



08/13/2026

Timothy Ansell
Washington Power Generation LLC
Dynegy Washington II, LLC
859 Ohio 83
Beverly, OH 45715-1329

Facility ID: 0684000212
Permit Number: P0140449
County: Washington

RE: DRAFT AIR POLLUTION TITLE V PERMIT

Permit Type: Renewal

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, Southeast District Office
2195 Front St.
Logan, OH 43138

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, Southeast District Office at (740)385-8501.

Sincerely,

Robert Hodanbosi
Chief, Division of Air Pollution Control

cc: U.S. EPA Region 5 - Via E-Mail Notification
Ohio EPA-SEDO; Pennsylvania; West Virginia

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 Renewal

Washington Power Generation LLC
859 Ohio 83

Beverly, OH 45715-1329

ID#: P0140449

Date of Action: 08/13/2026

Permit Desc: This is a renewal Title V permit-to-operate for a natural gas fired combined cycle power plant.

The permit and complete instructions for requesting information or submitting comments may be obtained at: <https://ohioepa.commentinput.com> - Search by entering the permit # P0140449 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:	0684000212
Facility Name:	Washington Power Generation LLC
Facility Description:	Natural gas fired combined cycle power plant
Facility Address:	859 Ohio 83 Beverly, OH 45715-1329
Permit #:	P0140449

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(I)?

Yes

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.: P0140789

Affected EUs: P001, P002, P003 and P011

Discussion of changes from the previous Title V: This was an administrative modification PTI to update incorrect emissions limitation citations, remove some recordkeeping language that was only required for a period of 10 years and was no longer needed after 2024, add a missing compliance method for SO₂ emissions for P011 and update reason and citation for why state emissions limitations did not apply.

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:

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

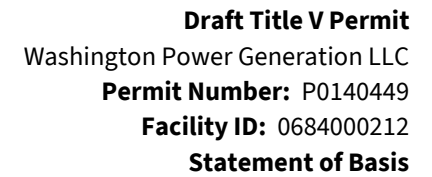
11. Please identify any current **enforcement actions** to address violations at the facility resulting in a compliance plan and schedule.

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: N/A

B. Facility-Wide Terms and Conditions

Term and Condition (paragraph)	Basis		Comments
	SIP (3745-)	Other	
B.2.		40 CFR Part 60, Subpart Dc	Emissions unit applicability
B.3.		40 CFR Part 60, Subpart KKKK	Emissions unit applicability
B.4.		40 CFR Part 63, Subpart ZZZZ	Emissions unit applicability
B.5.	3745-109		Clean Air Interstate Rule
B.6.	3745-109		Clean Air Interstate Rule
B.7.	3745-77-07(A)(13)		Insignificant emissions units



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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EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
Section C.1: B001 – Auxiliary Boiler											

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
B001	NO _x emissions shall not exceed 0.035 lb/MMBtu actual heat input and 1.08 lbs/hr.	OAC rule 3745-31-05(A)(3)	N	Y	Y	Y	Y	N	N	N	OR – Permittee shall burn only pipeline quality natural gas in this emissions unit. ET – Compliance is based on manufacturer’s guaranteed emissions factor when burning natural gas. Testing if required.
B001	SO ₂ emissions shall not exceed 0.001 lb/MMBtu actual heat input and 0.031 lb/hr.	OAC rule 3745-31-05(A)(3)	N	Y	Y	Y	Y	N	N	N	OR - The permittee shall burn only pipeline quality natural gas in this emissions unit. The maximum sulfur content of the natural gas shall not exceed 0.5 grains per 100 standard cubic feet. Testing if required. ET – Compliance is based on manufacturer’s guaranteed emissions factor when burning natural gas. Testing if required.
B001	CO emissions shall not exceed 0.109	OAC rule 3745-31-05(A)(3)	N	Y	Y	Y	Y	N	N	N	OR – Permittee shall burn only pipeline quality natural gas in this emissions unit.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	lb/MMBtu actual heat input and 3.34 lbs/hr.										ET – Compliance is based on manufacturer’s guaranteed emissions factor when burning natural gas. Testing if required.
B001	VOC emissions shall not exceed 0.016 lb/MMBtu actual heat input and 0.49 lb/hr.	OAC rule 3745-31- 05(A)(3)	N	Y	Y	Y	Y	N	N	N	OR – Permittee shall burn only pipeline quality natural gas in this emissions unit. ET – Compliance is based on manufacturer’s guaranteed emissions factor when burning natural gas. Testing if required.
B001	PE shall not exceed 0.01 lb/MMBtu actual heat input and 0.31 lb/hr.	OAC rule 3745-31- 05(A)(3)	N	Y	Y	Y	Y	N	N	N	OR - Permittee shall burn only pipeline quality natural gas in this emissions unit. ET – Compliance is based on manufacturer’s guaranteed emissions factor when burning natural gas. Testing if required.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
B001	NO _x emissions shall not exceed 2.3 tons per rolling, 12-month period.	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – The maximum annual fuel heat input for this emissions unit shall not exceed 128,000 MMBtu, based upon a rolling, 12-month summation of heat input values. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.
B001	SO ₂ emissions shall not exceed 0.07 ton per rolling, 12-month period.	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – The maximum annual fuel heat input for this emissions unit shall not exceed 128,000 MMBtu, based upon a rolling, 12-month summation of heat input values. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.
B001	PE emissions shall not exceed 0.64	OAC rules 3745-31-10	N	Y	Y	Y	Y	N	N	N	OR – The maximum annual fuel heat input for this emissions unit shall not exceed 128,000 MMBtu, based upon a rolling, 12-month summation of heat input values.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	ton per rolling, 12-month period.	through 3745-31-20									ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.
B001	CO emissions shall not exceed 7.0 tons per rolling, 12-month period.	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – The maximum annual fuel heat input for this emissions unit shall not exceed 128,000 MMBtu, based upon a rolling, 12-month summation of heat input values. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.
B001	VOC emissions shall not exceed 1.1 tons per rolling, 12-month period.	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – The maximum annual fuel heat input for this emissions unit shall not exceed 128,000 MMBtu, based upon a rolling, 12-month summation of heat input values. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
B001	Visible PE from any stack shall not exceed 20% opacity as a six-minute average, except as provided by the rule.	OAC rule 3745-17-07(A)	N	Y	Y	Y	Y	N	N	N	OR – Permittee shall burn only pipeline quality natural gas in this emissions unit. ET –Testing if required.
B001	See Comments	OAC rule 3745-17-10(B)(1)	Y	N	N	N	N	N	N	N	ND – The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A).
B001	See Comments	OAC rule 3745-18-06(A)	Y	N	N	N	N	N	N	N	ND – The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A).

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
B001	See Comment	40 CFR Part 60, Subpart Dc	N	N	Y	Y	Y	N	N	N	ET – No emissions limitations are established by this rule since only natural gas is burned as a fuel.
B001	See Comment	40 CFR Part 60, Subpart A	N	N	Y	Y	Y	N	N	N	General Provisions
Section C.2: P003 – Main Cooling Tower											
P003	PE shall not exceed 2.08 pounds per hour.	OAC rule 3745-31-05(A)(3)	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall maintain an average total dissolved solids (TDS) content of 4,000 ppm or less in the circulating cooling water. ET – If required, the permittee shall submit a testing proposal that will demonstrate that the maximum drift loss does not exceed 0.0006 percent.
P003	See comments	OAC rule 3745-31-05(A)(3)	N	N	N	N	N	N	N	N	The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-10 through 3745-31-20.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P003	PE shall not exceed 9.1 tons based on a rolling, 12-month summation.	OAC rules 3745-31-10 through 3745-31-20	N	N	Y	Y	Y	N	N	N	ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.
P003	See comments	OAC rule 3745-17-11(B)	Y	N	N	N	N	N	N	N	ND – This emissions unit is not subject to the “restrictions on particulate emissions from industrial processes” contained in OAC rule 3745-17-11. Particulate matter emitted from the cooling tower is not measurable by applicable test methods in 40 CFR Part 60, Appendix A and therefore the emissions of particulate matter do not meet the definition of “Particulate emissions” in OAC rule 3745-17-01.
P003	See comments	OAC rule 3745-17-07(A)	Y	N	N	N	N	N	N	N	ND – This emissions unit is exempt from the visible emission limitation specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because the emissions unit is not subject to any mass emission limitation in OAC Chapter 3745-17.

Section C.3: P011 – Diesel Generator

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P011	Install an engine designed to meet 14.79 pounds per hour NO _x emissions.	ORC 3704.03(T) and OAC rule 3745-31-05(A)(3)	N	N	N	N	N	N	N	N	M/R/Rp/ET – This emissions unit is permitted at the maximum PTE with the emissions factor being based on manufacturer design specifications. Testing if required.
P011	NO _x emissions shall not exceed 18.49 tons based on a rolling, 12-month summation.	OAC rule 3745-31-05(D)	N	Y	Y	Y	Y	N	N	N	OR – The maximum number of operating hours for this emissions unit shall not exceed 2,500 hours as a rolling, 12-month summation. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.
P011	CO emissions shall not exceed 0.21 tons based	OAC rule 3745-31-05(D)	N	Y	Y	Y	Y	N	N	N	OR – The maximum number of operating hours for this emissions unit shall not exceed 2,500 hours as a rolling, 12-month summation.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	on a rolling, 12-month summation.										ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.
P011	VOC emissions shall not exceed 0.16 ton based on a rolling, 12-month summation.	OAC rule 3745-31-05(D)	N	Y	Y	Y	Y	N	N	N	OR – The maximum number of operating hours for this emissions unit shall not exceed 2,500 hours as a rolling, 12-month summation. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.
P011	PE/PM ₁₀ /PM _{2.5} shall not exceed 0.18 ton based on a rolling, 12-month summation.	OAC rule 3745-31-05(D)	N	Y	Y	Y	Y	N	N	N	OR – The maximum number of operating hours for this emissions unit shall not exceed 2,500 hours as a rolling, 12-month summation. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P011	SO ₂ emissions shall not exceed 0.01 ton based on a rolling, 12-month summation.	OAC rule 3745-31-05(D)	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall only burn diesel fuel, containing less than or equal to 0.0015% sulfur by weight, in this emissions unit. The maximum number of operating hours for this emissions unit shall not exceed 2,500 hours as a rolling, 12-month summation. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.
P011	Visible PE from the stack serving this emissions unit shall not exceed 20% opacity as a six-minute average.	OAC rule 3745-17-07(A)	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall only burn diesel fuel, containing less than or equal to 0.0015% sulfur by weight, in this emissions unit. ET – Testing if required.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P011	PE shall not exceed 0.062 pound per MMBtu of actual heat input.	OAC rule 3745-17-11(B)(5)(b)	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall only burn diesel fuel, containing less than or equal to 0.0015% sulfur by weight, in this emissions unit. ET – Testing if required.
P011	See comments	OAC rule 3745-18-06(G)	Y	N	N	N	N	N	N	N	ND – Exempt pursuant to OAC rule 3745-18-06(B).
P011	See comments	OAC rule 3745-110-03(F)	Y	N	N	N	N	N	N	N	ND – Exempt pursuant to OAC rule 3745-110-03(K)(17).

Section C.4: Emissions Unit Group – Combustion Turbines (P001 & P002)

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P001 & P002	NO _x emissions shall not exceed 3.0 ppmvd at 15% oxygen (O ₂) based on a 3-hour block averaging period and 25.0 lbs/hr without duct burners	OAC rules 3745-31-10 through 3745-31-20	N	N	Y	Y	Y	N	N	N	ET – Initial testing was conducted December 2014. Ongoing compliance demonstrated by use of CEMs.
P001 & P002	PE and PM ₁₀ shall not exceed 19.0 lbs/hr without duct burners	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall burn only pipeline quality natural gas. ET – Initial testing was conducted December 2014. Ongoing testing if required.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P001 & P002	SO ₂ emissions shall not exceed 1.52 lbs/hr without duct burners	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall burn only pipeline quality natural gas with a maximum sulfur content not exceed 0.5 grains per 100 standard cubic feet in this emissions unit. ET – Initial and ongoing fuel sulfur content monitoring in accordance with 40 CFR Part 75.
P001 & P002	CO emissions shall not exceed 8 ppmvd at 15% O ₂ based on a 24-hour block averaging period and 43.0 lbs/hr without duct burners	OAC rules 3745-31-10 through 3745-31-20	N	N	Y	Y	Y	N	N	N	ET – Initial testing was conducted December 2014. Ongoing compliance demonstrated by use of CEMs.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P001 & P002	VOC emissions shall not exceed 3.0 lbs/hr without duct burners	OAC rules 3745-31-10 through 3745-31-20	N	Y			Y	Y	N	N	OR – The permittee shall burn only pipeline quality natural gas. ET – Initial testing was conducted December 2014. Ongoing testing if required.
P001 & P002	H ₂ SO ₄ emissions shall not exceed 0.23 lb/hr without duct burners	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall burn only pipeline quality natural gas with a maximum sulfur content not exceed 0.5 grains per 100 standard cubic feet in this emissions unit. ET – Testing if required and compliance is based on sulfur content of natural gas.
P001 & P002	Visible PE emissions from any stack shall not exceed 10% opacity	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall burn only pipeline quality natural gas. ET – Initial testing was conducted December 2014. Ongoing testing if required.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	as a 6-minute average without duct burners										
P001 & P002	NO _x emissions shall not exceed 3.0 ppmvd at 15% oxygen based on a 3-hour block averaging period and 31.5 lbs/hr with duct burners	OAC rules 3745-31-10 through 3745-31-20	N	N	Y	Y	Y	N	N	N	ET – Initial testing was conducted December 2014. Ongoing compliance demonstrated by use of CEMs.
P001 & P002	PE/PM ₁₀ emissions shall not	OAC rules 3745-31-10	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall burn only pipeline quality natural gas.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	exceed 23.4 lbs/hr with duct burners	through 3745-31-20									ET – Initial testing was conducted December 2014. Ongoing testing if required.
P001 & P002	SO ₂ emissions shall not exceed 1.71 lbs/hr with duct burners	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall burn only pipeline quality natural gas with a maximum sulfur content not exceed 0.5 grains per 100 standard cubic feet in this emissions unit. ET – Initial and ongoing fuel sulfur content monitoring in accordance with 40 CFR Part 75.
P001 & P002	CO emissions shall not exceed 8 ppmvd at 15% O ₂ based on a 24-hour block averaging period and 45.9 lbs/hr	OAC rules 3745-31-10 through 3745-31-20	N	N	Y	Y	Y	N	N	N	ET – Initial testing was conducted December 2014. Ongoing compliance demonstrated by use of CEMs.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	with duct burners										
P001 & P002	VOC emissions shall not exceed 7.3 lbs/hr with duct burners	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall burn only pipeline quality natural gas. ET – Initial testing was conducted December 2014. Ongoing testing if required.
P001 & P002	H ₂ SO ₄ emissions shall not exceed 0.26 lb/hr with duct burners	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall burn only pipeline quality natural gas with a maximum sulfur content not exceed 0.5 grains per 100 standard cubic feet in this emissions unit. ET – Testing if required and compliance is based on sulfur content of natural gas.
P001 & P002	Visible PE from any stack shall not exceed	OAC rules 3745-31-10	N	Y	Y	Y	Y	N	N	N	OR – The permittee shall burn only pipeline quality natural gas. ET – Initial testing was conducted December 2014. Ongoing testing if required.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	10% opacity as a 6-minute average with duct burners	through 3745-31-20									
P001 & P002	NO _x emissions shall not exceed 157.5 tons per rolling, 12-month period, including start-up and shutdown emissions.	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – Limit on the emissions and time spent in startup and shutdown modes. The SCR system for this emissions unit shall be in operation at all times, including during the shutdown of the unit. In accordance with good engineering practices, the SCR unit shall be operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.
P001 & P002	SO ₂ emissions shall not exceed 7.5	OAC rules 3745-31-10	N	N	Y	Y	Y	N	N	N	ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	tons per rolling, 12-month period.	through 3745-31-20									
P001 & P002	PE/PM ₁₀ emissions shall not exceed 102.5 tons per rolling, 12-month period.	OAC rules 3745-31-10 through 3745-31-20	N	N	Y	Y	Y	N	N	N	ET - Compliance is demonstrated by the monitoring and recordkeeping requirements.
P001 & P002	CO emissions during steady-state operation (Mode 6) shall not exceed 201.0 tons per	OAC rules 3745-31-10 through 3745-31-20	N	N	Y	Y	Y	N	N	N	ET - Compliance is demonstrated by the monitoring and recordkeeping requirements.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	rolling, 12-month period (excludes start-up and shutdown emissions).										
P001 & P002	CO emissions shall not exceed 453.7 tons per rolling, 12-month period, including start-up and shutdown emissions.	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – Limit on the emissions and time spent in startup and shutdown modes. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P001 & P002	VOC emissions shall not exceed 63.1 tons per rolling, 12-month period, including start-up and shutdown emissions.	OAC rules 3745-31-10 through 3745-31-20	N	Y	Y	Y	Y	N	N	N	OR – Limit on the emissions and time spent in startup and shutdown modes. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.
P001 & P002	H ₂ SO ₄ emissions shall not exceed 1.1 tons per rolling, 12-month period.	OAC rules 3745-31-10 through 3745-31-20	N	N	Y	Y	Y	N	N	N	ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P001 & P002	See comments	ORC 3704.03(T) and OAC rule 3745-31-05(A)(3)	Y	N	N	N	N	N	N	N	ND - The emissions limitations for NO _x , CO, VOC and PE/PM ₁₀ required by this rule are equivalent to the emissions limitations for NO _x , CO, VOC and PE/PM ₁₀ established pursuant to OAC rules 3745-31-10 through 3745-31-20.
P001 & P002	NH ₃ emissions shall not exceed 11.54 tons per month averaged over a twelve-month rolling period.	ORC 3704.03(T) and OAC rule 3745-31-05(A)(3)	N	Y	Y	Y	Y	N	N	N	OR – The SCR unit shall be operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. ET – Compliance is demonstrated by the monitoring and recordkeeping requirements.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P001 & P002	See comments	OAC rule 3745-17-07(A)	Y	N	N	N	N	N	N	N	ND – The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rules 3745-31-10 through 3745-31-20.
P001 & P002	See comments	OAC rules 3745-17-10 (HRSG duct burners) and 345-17-11(B)(4) (Turbine)	Y	N	N	N	N	N	N	N	ND – The PE limitations specified by these rules are less stringent than the limitations established for PE pursuant to OAC rules 3745-31-10 through 3745-31-20.
P001 & P002	See comments	OAC rule 3745-18-06(F)	Y	N	N	N	N	N	N	N	ND – Exempt pursuant to OAC rule 3745-18-06(A) since only natural gas fuel is burned in this emissions unit.
P001 & P002	See comments	40 CFR Part 75 and OAC Chapter 3745-103	N	N	N	N	N	N	N	N	Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited. U.S. EPA hold delegated authority over allocation of allowances.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P001 & P002	See comments	OAC Chapter 3745-109	N	N	N	N	N	N	N	N	The permittee shall ensure that any CAIR NO _x , SO ₂ , or NO _x ozone season units complies with the requirements of OAC 3745-109, which includes submitting timely permit applications. The permittee shall ensure that the affected emissions units comply with those requirements as outlined in the permit application submitted as required by OAC rules 3745-109-03, 109-10 and 109-16 for the affected emissions units. The permittee shall also comply with any subsequent federally mandated programs that may replace the CAIR program affecting electric generating facilities.
P001 & P002	See comments	OAC rule 3745-110-03(E)(2)(d)(i)	Y	N	N	N	N	N	N	N	ND – This emissions unit is subject to New Source Performance Standard (NSPS) Subpart KKKK. As provided in OAC rule 3745-110-02(A)(2), the emissions limitation for NO _x in NSPS Subpart KKKK for the combustion turbine was determined to be more stringent than the requirements for NO _x in OAC Chapter 3745-110-03(E)(2)(d)(i). Therefore, this emissions unit shall comply with NSPS Subpart KKKK for NO _x in lieu of the requirements of OAC Chapter 3745-110-03(E)(2)(d)(i) for the combustion turbine.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
P001 & P002	See comments	OAC rule 3745-110-03(D)	Y	N	N	N	N	N	N	N	ND – The requirements of OAC rule 3745-110-03(D) for very large boilers do not apply to the HRSG duct burners because the definition of industrial boiler does not include boilers that serve electrical generating units and cogeneration facilities.
P001 & P002	NO _x emissions from new, modified or reconstructed turbines firing natural gas with heat input capacities greater than 850 MMBtu/hr shall not exceed 15 ppm at 15% O ₂ or 54 ng/J of useful	40 CFR Part 60, Subpart KKKK	N	Y	Y	Y	Y	N	N	N	OR – You must operate and maintain your stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. ET – Initial testing was conducted December 2014. Ongoing compliance demonstrated by use of CEMs.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	output (0.43 lb/MWh).										
P001 & P002	SO ₂ emissions from the turbine must not exceed 0.90 lb/MWh of gross output, or, fuels burned in the turbine must not contain sulfur in concentrations which would result in potential sulfur emissions in excess of	40 CFR Part 60, Subpart KKKK									OR – You must operate and maintain your stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction. ET – Initial and ongoing fuel sulfur content monitoring in accordance with 40 CFR Part 75.

Emissions Unit Table

EU(s)	Limitation	Basis	ND	OR	M	R	Rp	ET	ENF	Misc	Comments
	0.060 lb SO ₂ / MMBtu heat input.										
P001 & P002	See comments	40 CFR Part 60, Subpart A	N	N	Y	Y	Y	N	N	N	General Provisions



**Environmental
Protection
Agency**

DRAFT

Division of Air Pollution Control
Title V Permit
for
Washington Power Generation LLC

Facility ID:	0684000212
Permit Number:	P0140449
Permit Type:	Renewal
Issued:	08/13/2026
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Division of Air Pollution Control
Title V Permit
for
Washington Power Generation LLC

Table of Contents

Authorization.....	39
List of Commonly Used Abbreviations	40
A. Standard Terms and Conditions.....	41
B. Facility Wide Terms and Conditions	55
C. Emissions Unit Terms and Conditions.....	58
1. B001, Auxiliary Boiler	59
2. P003, Main Cooling Tower	66
3. P011, Diesel Generator	69
4. Emissions Unit Group – Combustion Turbines: P001 and P002.....	75

Authorization

Facility ID:	0684000212
Facility Description:	Natural gas fired combined cycle power plant
Application Number(s):	A0081853, A0080013
Permit Number:	P0140449
Permit Description:	This is a renewal Title V permit-to-operate for a natural gas fired combined cycle power plant.
Permit Type:	Renewal
Issue Date:	
Effective Date:	To be entered upon final issuance
Expiration Date:	To be entered upon final issuance
Superseded Permit Number:	P0125315

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

Washington Power Generation LLC
859 Ohio 83
Beverly, OH 45715-1329

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

Ohio EPA DAPC, Southeast District Office
2195 Front St.
Logan, OH 43138
(740)385-8501

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, Southeast District 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, Southeast District 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, Southeast District 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, Southeast District 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, Southeast District 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, Southeast District 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, Southeast District 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, Southeast District 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, Southeast District 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, Southeast District 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, Southeast District 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, Southeast District 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, Southeast District 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.
 2. The following emissions unit(s) contained in this permit is(are) subject to 40 CFR Part 60, Subpart Dc: B001. The complete NSPS requirements, including the NSPS 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 Ohio EPA Southeast District Office.
 3. The following emissions unit(s) contained in this permit is(are) subject to 40 CFR Part 60, Subpart KKKK: P001 and P002. The complete NSPS requirements, including the NSPS 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 Ohio EPA Southeast District Office.
 4. Ohio EPA has determined that this facility operates affected sources subject to the requirements of 40 CFR Part 63, Subpart ZZZZ, NESHAP for Stationary Reciprocating Internal Combustion Engines. Ohio EPA is not accepting the delegation of authority to implement and enforce the area source NESHAP standard; therefore, the area source NESHAP standard is 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 <https://www.ecfr.gov> or by contacting the appropriate Ohio EPA DO/LAA
- The following affected sources are subject to the area source requirements of this NESHAP standard: P011
5. The permittee shall ensure that any CAIR NO_x, SO₂, or NO_x ozone season units complies with the requirements of OAC 3745-109, which includes submitting timely permit applications. The permittee shall ensure that the affected emissions units comply with those requirements as outlined in the permit application submitted as required by OAC rules 3745-109-03, 109-10 and 109-16 for the affected emissions units. The permittee shall also comply with any subsequent federally mandated programs that may replace the CAIR program affecting electric generating facilities.
 6. Clean Air Interstate Rule – OAC Chapter 3745-109.

P001 – Combined cycle unit consisting of a nominally-rated 207 MW GE 7FA natural gas-fired, dry low-NO_x (DLN) combustion turbine and a heat recovery steam generator (HRSG) equipped with natural gas-fired duct burners (supplemental firing) nominally rated at 587 MMBtu/hr controlled by selective catalytic reduction (SCR) used to generate electricity.

P002 – Combined cycle unit consisting of a nominally-rated 207 MW GE 7FA natural gas-fired, dry low-NO_x (DLN) combustion turbine and a heat recovery steam generator (HRSG) equipped with natural gas-fired duct burners (supplemental firing) nominally rated at 587 MMBtu/hr controlled by selective catalytic reduction (SCR) used to generate electricity.

Note: Ohio EPA DAPC has completed rule amendments for OAC Chapter 3745-14, specifically, OAC rule 3745-14-01 and OAC rule 3745-14-06, which facilitated the transition of the affected units from OAC Chapter 3745-14 into the federal Clean Air Interstate Rule (CAIR) program which began with the 2009 control periods. This began the process of “sunsetting” the parts of OAC Chapter 3745-14 which were no longer needed as a result of Ohio’s CAIR rules (OAC Chapter 3745-109).

On April 29th, 2014, the United States Supreme Court upheld EPA's Cross -State Air Pollution Rule (CSAPR) commonly known as the "Transport Rule" and reversed the 2012 decision by the U.S. Court of Appeals for the District of Columbia invalidating the rules. At this time, CAIR remains in place and no immediate action from States or affected sources is expected. The CAIR allowances for affected units and requirements of the CAIR rule will continue pending further guidance from USEPA on implementing CAIR.

7. 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:

Emissions Unit ID	Operations, Property and/or Equipment Description	Applicable Requirement(s)
G001	300 Gallon Gasoline Tank and Fuel Station for Vehicle Fleet	40 CFR Part 63, Subpart CCCCCC
G002	520-gallon gasoline tank and fuel station for vehicle fleet.	40 CFR Part 63, Subpart CCCCCC
P004	275 HP John Deere JDGP-06WA Firefighting Water Pump	PBR02911
P006	25 Ton Capacity Lime Storage Silo	PTI P0120193
P009	Emergency Blackstart Combustion Turbine	PBR12006
P010	Emergency Blackstart CT Cranking Engine	PBR12007

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

C. Emissions Unit Terms and Conditions

1. B001, Auxiliary Boiler

Operations, Property and/or Equipment Description:

30.6 MMBtu per hour natural gas fired boiler.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI P0120259, as effective 2/5/2016)	Nitrogen oxides (NO_x) emissions shall not exceed 0.035 lb/MMBtu actual heat input and 1.08 lbs/hr. Sulfur dioxide (SO₂) emissions shall not exceed 0.001 lb/MMBtu actual heat input and 0.031 lb/hr. Carbon monoxide (CO) emissions shall not exceed 0.109 lb/MMBtu actual heat input and 3.34 lbs/hr. Volatile organic compounds (VOC) emissions shall not exceed 0.016 lb/MMBtu actual heat input and 0.49 lb/hr. Particulate emissions (PE) shall not exceed 0.01 lb/MMBtu actual heat input and 0.31 lb/hr. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-31-10 through 3745-31-20. See c)(1) and c)(2) below.



b.	OAC rules 3745-31-10 through 3745-31-20 (PTI P0120259, as effective 2/5/2016)	NO_x emissions shall not exceed 2.3 tons per rolling, 12-month period. SO₂ emissions shall not exceed 0.07 ton per rolling, 12-month period. PE emissions shall not exceed 0.64 ton per rolling, 12-month period. CO emissions shall not exceed 7.0 tons per rolling, 12-month period. VOC emissions shall not exceed 1.1 tons per rolling, 12-month period. See b)(2)a.
c.	OAC rule 3745-17-07(A)	Visible PE from any stack shall not exceed 20% opacity as a six-minute average, except as provided by the rule.
d.	OAC rule 3745-17-10(B)(1)	The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A).
e.	OAC rule 3745-18-06(A)	The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A).
f.	40 CFR Part 60, Subpart Dc (40 CFR 60.40c-60.48c) [In accordance with 40 CFR 60.40c(a), this emissions unit is a steam generating unit for which construction, modification or reconstruction commenced after June 9, 1989, and has a maximum design heat input capacity of 29 megawatts (100 MMBtu/hr) or less, but greater than or equal to 12.9 MW (10 MMBtu/hr) subject to the emissions limitations and control measures specified in this section.]	See d)(4) and e)(5) below.
g.	40 CFR Part 60, Subpart A (40 CFR 60.1-60.19)	General Provisions

(2) Additional Terms and Conditions

- a. Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), it has been determined that the use of natural gas, low sulfur fuel and low NO_x burners constitutes BACT for this emissions unit. The emission limitations based on the BACT requirements are listed under 40 CFR 52.21 and OAC rules 3745-31-10 through 3745-31-20 above.

c) Operational Restrictions

- (1) The permittee shall burn only pipeline quality natural gas in this emissions unit. The maximum sulfur content of the natural gas shall not exceed 0.5 grains per 100 standard cubic feet.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0120259)

- (2) The maximum annual fuel heat input for this emissions unit shall not exceed 128,000 MMBtu, based upon a rolling, 12-month summation of heat input values.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0120259)

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0120259)

- (2) The permittee shall monitor the sulfur content and gross calorific value of the fuel being fired in this emissions unit. Fuel sampling and analysis shall be conducted according to the procedures and at the frequency specified by 40 CFR Part 75, Appendix D. Per 40 CFR Part 75, Appendix D section 2.3.1.4, the permittee has demonstrated that the gaseous fuel is pipeline natural gas. Therefore, ongoing sampling of the fuel's sulfur content is required annually and whenever the fuel supply sources change, and sampling and analysis of the fuels gross calorific value shall be sampled monthly.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0120259)

- (3) The permittee shall maintain monthly records of the following information for this emissions unit:

- a. The monthly natural gas usage rate, in standard cubic feet;
- b. monthly fuel heat input (MMBtu);
- c. the rolling, 12-month summation of fuel heat input (MMBtu); and
- d. the rolling, 12-month summation of the PE and the NO_x, SO₂, CO and VOC emissions, in tons.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0120259)

- (4) The permittee shall comply with the applicable monitoring and recordkeeping requirements required under 40 CFR Part 60, Subpart Dc, including the following sections:

60.48c(g)	(1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day. (2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in § 60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month. (3) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in § 60.42C to use fuel certification to demonstrate compliance with the SO₂ standard, and/or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.
60.48c(i)	All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60 Subpart Dc, and PTI P0120259)

e) **Reporting Requirements**

- (1) All reports required below, including reports pursuant to federal rules, shall be submitted to Ohio EPA through Air Services, in accordance with Part A- Standard Terms and Conditions of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0120259)

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0120259)

- (3) The permittee shall submit quarterly deviation (excursion) reports that identify the following:



- a. any record which shows that the sulfur content of the natural gas exceeded 0.5 grains per 100 standard cubic feet;
- b. all exceedances of the rolling, 12-month fuel heat input limitation; and
- c. all exceedances of the rolling, 12-month emission limitations for PE and emissions of NO_x, SO₂, CO and VOC.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0120259)

- (4) The permittee shall submit annual reports that specify the total PE and NO_x, SO₂, CO and VOC emissions from this emissions unit for the previous calendar year. The reports shall be submitted by April 15 of each year. This reporting requirement may be satisfied by including and identifying the specific emission data for auxiliary boiler, B001, in the annual Title V Fee Emissions Report.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0120259)

- (5) The permittee shall submit notifications and reports to the appropriate Ohio EPA District office as required pursuant to 40 CFR Part 60, Subparts A and Dc, per the following sections:

60.48c(a)	The owner or operator of each affected facility shall submit notification of the date of construction or reconstruction and actual startup, as provided by § 60.7 of this part. This notification shall include: (1) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility. (2) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under § 60.42c, or § 60.43c. (3) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired.
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(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60 Subpart Dc, and PTI P0120259)

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

NO_x emissions shall not exceed 0.035 lb/MMBtu and 1.08 lbs/hr.

Applicable Compliance Method

Compliance with the lb/MMBtu emission limitation may be demonstrated using the manufacturer supplied emission factor of 0.035 lb/MMBtu.



Compliance with the lbs/hr emission limitation may be demonstrated by multiplying the manufacturer supplied NO_x emission factor (0.035 lb/MMBtu) by the rated fuel heat input rate of 30.6 MMBtu/hr.

If required, the permittee shall demonstrate compliance with the lb/MMBtu and lbs/hr emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 7.

b. Emissions Limitation

SO₂ emissions shall not exceed 0.001 lb/MMBtu actual heat input and 0.031 lb/hr.

Applicable Compliance Method

Compliance with the lb/MMBtu emission limitation may be demonstrated using the manufacturer supplied emission factor of 0.001 lb/MMBtu.

Compliance with the lb/hr emission limitation may be demonstrated by multiplying the manufacturer supplied SO₂ emission factor (0.001 lb/MMBtu) by the rated heat input rate (30.6 MMBtu/hr).

If required, the permittee shall demonstrate compliance with the lb/MMBtu and lb/hr emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6.

c. Emissions Limitation

CO emissions shall not exceed 0.109 lb/MMBtu actual heat input and 3.34 lbs/hr.

Applicable Compliance Method

Compliance with the lb/MMBtu emission limitation may be demonstrated using the manufacturer supplied emission factor of 0.109 lb/MMBtu.

Compliance with the lbs/hr emission limitation may be demonstrated by multiplying the manufacturer supplied CO emission factor (0.109 lb/MMBtu) by the rated heat input rate (30.6 MMBtu/hr).

If required, the permittee shall demonstrate compliance with the lb/MMBtu and lbs/hr emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 10.

d. Emissions Limitation

VOC emissions shall not exceed 0.016 lb/MMBtu actual heat input and 0.49 lb/hr.

Applicable Compliance Method

Compliance with the lb/MMBtu emission limitation may be demonstrated using the manufacturer supplied emission factor of 0.016 lb/MMBtu.

Compliance with the lb/hr emission limitation may be demonstrated by multiplying the manufacturer supplied VOC emission factor (0.016 lb/MMBtu) by the rated heat input rate (30.6 MMBtu/hr).



If required, the permittee shall demonstrate compliance with the lb/MMBtu and lb/hr emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 25A.

e. Emissions Limitations

PE shall not exceed 0.01 lb/MMBtu actual heat input and 0.31 lb/hr.

Applicable Compliance Method

Compliance with the lb/MMBtu emission limitation may be demonstrated using the manufacturer supplied emission factor of 0.01 lb/MMBtu.

Compliance with the lb/hr emission limitation may be demonstrated by multiplying the manufacturer supplied PM/PM₁₀ emission factor (0.01 lb/MMBtu) by the rated heat input rate (30.6 MMBtu/hr)

If required, the permittee shall demonstrate compliance with the lb/MMBtu and lb/hr emission limitations through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

f. Emissions Limitation

NO_x emissions shall not exceed 2.3 tons per rolling, 12-month period.

SO₂ emissions shall not exceed 0.07 ton per rolling, 12-month period.

PE shall not exceed 0.64 tons per rolling, 12-month period.

CO emissions shall not exceed 7.0 tons per rolling, 12-month period.

VOC emissions shall not exceed 1.1 tons per rolling, 12-month period.

Applicable Compliance Method

Compliance with the rolling, 12-month emission limitations shall be demonstrated by the recordkeeping in d)(3)d.

g. Emissions Limitation

Visible PE from any stack shall not exceed 20% opacity as a six-minute average, except as provided by the rule.

Applicable Compliance Method

If required, visible particulate emissions shall be determined according to U.S. EPA Method 9.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0120259)

g) Miscellaneous Requirements

(1) None.

2. P003, Main Cooling Tower

Operations, Property and/or Equipment Description:

7-cell mechanical draft cooling tower.

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

(1) None.

- b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI P0140789 issued 8/07/2026)	Particulate emissions (PE) shall not exceed 2.08 pounds per hour. The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-10 through 3745-31-20.
b.	OAC rules 3745-31-10 through 3745-31-20 (PTI P0140789 issued 8/07/2026)	PE shall not exceed 9.1 tons based on a rolling, 12-month summation.
c.	OAC rule 3745-17-11(B)	See b)(2)b. below.
d.	OAC rule 3745-17-07(A)	See b)(2)c. below.

- (2) Additional Terms and Conditions

- a. Based on the "Prevention of Significant Deterioration" (PSD) analysis conducted to ensure the application of "Best Available Control Technology" (BACT), it has been determined that the use of drift eliminators with a maximum drift of 0.0006 percent constitutes BACT for this emissions unit. The emission limitations based on the BACT requirements are listed under 40 CFR 52.21 and OAC rules 3745-31-10 through 3745-31-20 above.
- b. This emissions unit is not subject to the "restrictions on particulate emissions from industrial processes" contained in OAC rule 3745-17-11. Particulate matter emitted from the cooling tower is not measurable by applicable test methods in 40 CFR Part 60, Appendix A and therefore the emissions of particulate matter do not meet the definition of "Particulate emissions" in OAC rule 3745-17-01.

- c. This emissions unit is exempt from the visible emission limitation specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because the emissions unit is not subject to any mass emission limitation in OAC Chapter 3745-17.

c) Operational Restrictions

- (1) The permittee shall maintain an average total dissolved solids (TDS) content of 4,000 ppm or less in the circulating cooling water.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0140789)

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall monitor the TDS content of the circulating cooling water on a monthly basis.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (2) The permittee shall maintain monthly records of the following information for this emissions unit:

- a. the monthly TDS content of the circulating cooling water, in ppm;
- b. the average total dissolved solids content based on a rolling, 12-month average; and
- c. the rolling, 12-month summation of the PE, in tons.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

e) Reporting Requirements

- (1) The reports contained in this permit shall be submitted in accordance with the reporting requirements specified in Section A, Standard Terms and Conditions.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

- a. any record which shows that the average TDS content of the circulating cooling water exceeds 4,000 ppm (based on a rolling, 12-month average); and
- b. all exceedances of the rolling, 12-month emission limitations for PE.

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

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

PE shall not exceed 2.08 pounds per hour.



Applicable Compliance Method

Compliance with the short-term emission limitation is demonstrated by multiplying the maximum drift loss factor supplied by the permittee (50 lbs drift loss/million gallons water flow based on 0.0006 percent drift) by the maximum circulating water flow rate (10.38 million gallons per hour) and by the average total dissolved solids content (ppm) of the cooling water and dividing by 1,000,000 (ppm).

If required, the permittee shall submit a testing proposal that will demonstrate that the maximum drift loss does not exceed 0.0006 percent.

b. Emissions Limitation

PE shall not exceed 9.1 tons per rolling, 12-month period.

Applicable Compliance Method

Compliance shall be demonstrated by the monitoring and recordkeeping requirements in d)(2)c. above.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

g) Miscellaneous Requirements

(1) None.

3. P011, Diesel Generator

Operations, Property and/or Equipment Description:

2001 Model 3412CDITA Caterpillar 896 HP diesel fueled generator SN:3FZ03287

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

(1) None.

- b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	ORC 3704.03(T) and OAC rule 3745-31-05(A)(3) (PTI P0140789 issued 8/07/2026)	Install an engine designed to meet 14.79 pounds per hour nitrogen oxides (NO _x) emissions.
b.	OAC rule 3745-31-05(D) (Synthetic minor to avoid major modification and state modeling for NO _x) (PTI P0140789 issued 8/07/2026)	NO _x emissions shall not exceed 18.49 tons based on a rolling, 12-month summation. Carbon monoxide (CO) emissions shall not exceed 0.21 tons based on a rolling, 12-month summation. Volatile organic compound (VOC) emissions shall not exceed 0.16 ton based on a rolling, 12-month summation. Particulate emissions, particulate matter with a diameter less than or equal to 10 microns, and particulate matter with a diameter less or equal to 2.5 microns (PE/PM ₁₀ /PM _{2.5}) shall not exceed 0.18 ton based on a rolling, 12-month summation. Sulfur dioxide (SO ₂) emissions shall not exceed 0.01 ton based on a rolling, 12-month summation.

		See c)(2) below.
c.	OAC rule 3745-31-05(A)(3)(a)(ii)	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate matter with a diameter less than or equal to 10 microns (PM₁₀), volatile organic compound (VOC), and SO₂ emissions from this air contaminant source since the potential to emit for PM₁₀, VOC, and SO₂ is less than 10 tons per year. The Best Available Technology (BAT) requirements under OAC rule 3745- 31-05(A)(3) do not apply to the carbon monoxide (CO) emissions from this air contaminant source since the potential to emit for CO is less than 10 tons per year taking into account the federally enforceable restriction established pursuant to OAC rule 3745-31-05(D).
d.	OAC rule 3745-17-07(A)	Visible PE from the stack serving this emissions unit shall not exceed 20% opacity as a six-minute average.
e.	OAC rule 3745-17-11(B)(5)(b)	PE shall not exceed 0.062 pound per MMBtu of actual heat input.
f.	OAC rule 3745-18-06(G)	Exempt pursuant to OAC rule 3745-18-06(B).
g.	OAC rule 3745-110-03(F)	Exempt pursuant to OAC rule 3745-110-03(K)(17).

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

- (1) The permittee shall only burn diesel fuel, containing less than or equal to 0.0015% sulfur by weight, in this emissions unit.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0140789)

- (2) The permittee has requested a limitation on operating hours for purposes of limiting potential to emit to avoid major modification and state modeling for NO_x. Therefore, the maximum number of operating hours for emissions unit P011 shall not exceed 2,500 hours as a rolling, 12-month summation.

(Authority for term: OAC rules 3745-31-05(D) and 3745-77-07(A)(1), and PTI P0140789)



- (3) This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the hours of operation, upon issuance of this permit.

(Authority for term: OAC rules 3745-31-05(D) and 3745-77-07(A)(1), and PTI P0140789)

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than diesel fuel, containing less than or equal to 0.0015% sulfur by weight, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (2) The permittee shall maintain monthly records of the following information for this emission unit:

- a. the operating hours for each month;
- b. during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, record the cumulative operating hours for each calendar month.
- c. beginning after the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the rolling, 12-month summation of the hours of operation;
- d. the rolling, 12-month summation of the NO_x, CO, VOC, SO₂ and PE/PM₁₀/PM_{2.5}, as calculated in f)(1) below.

(Authority for term: OAC rules 3745-31-05(D) and 3745-77-07(C)(1), and PTI P0140789)

e) Reporting Requirements

- (1) The reports contained in this permit shall be submitted in accordance with the reporting requirements specified in Section A, Standard Terms and Conditions.

(Authority for term: OAC rules 3745-31-05(D) and 3745-77-07(C)(1), and PTI P0140789)

- (2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

- a. Any exceedance in the 2,500 hours of operation as a rolling, 12-month summation; and
- b. Any exceedance of the NO_x, CO, VOC, SO₂ or PE/PM₁₀/PM_{2.5} emissions as a rolling, 12-month summation.

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

(Authority for term: OAC rules 3745-31-05(D) and 3745-77-07(C)(1), and PTI P0140789)

- (3) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel fuel, containing less than or equal to 0.0015% sulfur by weight, was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.



(Authority for term: OAC rules 3745-31-05(D) and 3745-77-07(C)(1), and PTI P0140789)

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

Install an engine designed to meet 14.79 pounds per hour NO_x.

Applicable Compliance Method

The design standard is based upon the manufacturer specifications, as detailed in the permit application.

If required, NO_x emissions shall be determined according to test Methods 1 - 4, and 7 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

b. Emissions Limitation

NO_x emissions shall not exceed 18.49 tons per rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the rolling, 12-month emission limitation is demonstrated by multiplying the actual rolling, 12-month summation of hours of operation as recorded in d)(2)b. by the manufacturer's specification for NO_x of 14.79 lbs/hr, then dividing by 2,000 lbs/ton.

c. Emissions Limitation

CO emissions shall not exceed 0.21 tons per rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the rolling, 12-month emission limitation is demonstrated by multiplying the actual rolling, 12-month summation of hours of operation as recorded in d)(2)b., by the manufacturer's specification for CO of 0.57 lb/hr, and by one minus the control efficiency of the diesel oxidation catalyst (70%), then dividing by 2,000 lbs/ton.

d. Emissions Limitation

VOC emissions shall not exceed 0.16 ton per rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the rolling, 12-month emission limitation is demonstrated by multiplying the actual rolling, 12-month summation of hours of operation as recorded in d)(2)b. by the manufacturer's specification for VOC of 0.13 lb/hr, then dividing by 2,000 lbs/ton.



e. Emissions Limitation

PE/PM₁₀/PM_{2.5} shall not exceed 0.18 ton per rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the rolling, 12-month emissions limitation is demonstrated by multiplying the actual rolling, 12-month summation of hours of operation as recorded in d)(2)b., by the manufacturer's specification for PE/PM₁₀/PM_{2.5} of 0.14 lb/hr, and by one minus the control efficiency for the diesel particulate filter (87%), then dividing by 2,000 lbs/ton.

f. Emissions Limitation

SO₂ emissions shall not exceed 0.01 ton per rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the rolling, 12-month emissions limitation is demonstrated by multiplying the actual rolling, 12-month summation of hours of operation as recorded in d)(2)b., by the AP-42 Table 3.4-1 (4/25) emissions factor of 0.00809lb/hp-hr, by the fuel sulfur content (0.0015%), and then dividing by 2,000 lbs/ton.

g. Emissions Limitation

Visible PE from the stack serving this emissions unit shall not exceed 20% opacity as a six-minute average.

Applicable Compliance Methods

If required, visible particulate emissions shall be determined according to U.S. EPA Method 9.

h. Emissions Limitation

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

Applicable Compliance Method

Compliance shall be demonstrated by the following equation:

$$PE = (\text{emissions factor}) \times (1 - \text{control efficiency}) / [(\text{maximum fuel consumption rate}) \times (\text{heat content of fuel})]$$

Where:

Emissions factor = 1.09 lb PE/hr (based on manufacturer's specification as presented in permittee's application, A0059833)

Control efficiency = 87% (based on manufacturer's specification as presented in permittee's application, A0059833)

Maximum fuel consumption rate = 44.46 gal/hr (based on permittee's application, A0059833)

Heat content of fuel = 0.138 MMBtu/gal



$$PE = (1.09 \text{ lb PE/hr}) \times (1 - 0.87) / [(44.46 \text{ gal/hr}) \times (0.138 \text{ MMBtu/gal})]$$

$$PE = 0.02 \text{ lb PE/MMBtu}$$

If required, particulate emissions shall be determined according to test Methods 1 - 5, as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

(Authority for term: OAC rules 3745-31-05(D) and 3745-77-07(C)(1), and PTI P0140789)

g) **Miscellaneous Requirements**

- (1) Modeling to demonstrate compliance with the Toxic Air Contaminant Statute, ORC 3704.03(F)(4)(b), was not necessary because the EU's/EUs' maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. OAC Chapter 3745-31 requires a permittee to apply for and obtain a new or modified PTI prior to making a modification as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials or use of new materials, that would cause the emissions of any toxic air contaminant to increase to above 1.0 ton per year, may require the permittee to apply for and obtain a new PTI.

(Authority for term: ORC 3704.03(F)(3)(c) and F(4), OAC rule 3745-114-01 and PTI P0140789)

4. Emissions Unit Group - Combustion Turbines: P001 and P002

EU ID	Operations, Property and/or Equipment Description
P001	Nominally Rated 207 MW GE 7FA - Natural-Gas Fired Dry Low NO _x (DLN) Combustion Turbine with duct firing operating in combined cycle mode controlled by Selective Catalytic Reduction (SCR)
P002	Nominally Rated 207 MW GE 7FA - Natural-Gas Fired Dry Low NO _x (DLN) Combustion Turbine with duct firing operating in combined cycle mode controlled by Selective Catalytic Reduction (SCR)

- 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) d)(15) – d)(18) and e)(8)

- 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 rules 3745-31-10 through 3745-31-20 (PTI P0140789 issued 8/07/2026)	Emissions Limits without Duct Burner Firing Nitrogen oxides (NO_x) emissions shall not exceed 3.0 ppmvd at 15% oxygen (O₂) based on a 3-hour block averaging period and 25.0 lbs/hr. Particulate emissions (PE) and emissions of particulate matter with a diameter less than 10 microns (PM₁₀) shall not exceed 19.0 lbs/hr. Sulfur dioxide (SO₂) emissions shall not exceed 1.52 lbs/hr. Carbon monoxide (CO) emissions shall not exceed 8 ppmvd at 15% O₂ based on a 24-hour block averaging period and 43.0 lbs/hr.



	Volatile organic compounds (VOC) emissions shall not exceed 3.0 lbs/hr. Sulfuric acid (H_2SO_4) emissions shall not exceed 0.23 lb/hr. Visible PE emissions from any stack shall not exceed 10% opacity as a 6-minute average. Emissions Limits with Duct Burner Firing NO_x emissions shall not exceed 3.0 ppmvd at 15% oxygen based on a 3-hour block averaging period and 31.5 lbs/hr. PE/PM_{10} emissions shall not exceed 23.4 lbs/hr. SO_2 emissions shall not exceed 1.71 lbs/hr. CO emissions shall not exceed 8 ppmvd at 15% O_2 based on a 24-hour block averaging period and 45.9 lbs/hr. VOC emissions shall not exceed 7.3 lbs/hr. H_2SO_4 emissions shall not exceed 0.26 lb/hr. Visible PE from any stack shall not exceed 10% opacity as a 6-minute average. NO_x emissions shall not exceed 157.5 tons per rolling, 12-month period, including start-up and shutdown emissions. SO_2 emissions shall not exceed 7.5 tons per rolling, 12-month period. PE/PM_{10} emissions shall not exceed 102.5 tons per rolling, 12-month period. CO emissions during steady-state operation (Mode 6) shall not exceed 201.0 tons per
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		rolling, 12-month period (excludes start-up and shutdown emissions). CO emissions shall not exceed 453.7 tons per rolling, 12-month period, including start-up and shutdown emissions. VOC emissions shall not exceed 63.1 tons per rolling, 12-month period, including start-up and shutdown emissions. H₂SO₄ emissions shall not exceed 1.1 tons per rolling, 12-month period. See b)(2)a. and c)(1) below.
b.	ORC 3704.03(T) and OAC rule 3745-31-05(A)(3) (PTI P0140789 issued 8/07/2026)	The emissions limitations for NO_x, CO, VOC and PE/PM₁₀ required by this rule are equivalent to the emissions limitations for NO_x, CO, VOC and PE/PM₁₀ established pursuant to OAC rules 3745-31-10 through 3745-31-20. Ammonia (NH₃) emissions shall not exceed 11.54 tons per month averaged over a twelve-month rolling period.
c.	OAC rule 3745-31-05(A)(3)(a)(ii)	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the SO₂ emissions from this air contaminant source since the potential to emit for SO₂ is less than 10 tons per year.
d.	OAC rule 3745-17-07(A)	The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rules 3745-31-10 through 3745-31-20.
e.	OAC rules 3745-17-10 (HRSG duct burners) and 345-17-11(B)(4) (Turbine)	The PE limitations specified by these rules are less stringent than the limitations established for PE pursuant to OAC rules 3745-31-10 through 3745-31-20.
f.	OAC rule 3745-18-06(F)	Exempt pursuant to OAC rule 3745-18-06(A) since only natural gas fuel is burned in this emissions unit.
g.	40 CFR Part 75 and OAC Chapter 3745-103	See b)(2)b. below.



h.	OAC Chapter 3745-109	See Section B.5. and B.6.
i.	OAC rule 3745-110-03(E)(2)(d)(i) (Turbine)	See b)(2)c. below.
j.	OAC rule 3745-110-03(D) (HRSG duct burners)	See b)(2)d. below.
k.	40 CFR Part 60, Subpart KKKK (40 CFR 60.4300 – 60.4420) [In accordance with 40 CFR 60.4300 and 60.4305(a), this emissions unit is a stationary combustion turbine with a heat input at peak load equal to or greater than 10.7 gigajoules (10 MMBtu) per hour, based on the higher heating value of the fuel which commenced construction, modification, or reconstruction after February 18, 2005 subject to the emissions limitations/control measures specified in this section.]	NO _x emissions from new, modified or reconstructed turbines firing natural gas with heat input capacities greater than 850 MMBtu/hr shall not exceed 15 ppm at 15% O ₂ or 54 ng/J of useful output (0.43 lb/MWh). [60.4320(a) and Table 1 of 40 CFR Part 60, Subpart KKKK] SO ₂ emissions from the turbine must not exceed 0.90 lb/MWh of gross output, or, fuels burned in the turbine must not contain sulfur in concentrations which would result in potential sulfur emissions in excess of 0.060 lb SO ₂ / MMBtu heat input. [60.4330(a)] See b)(2)e. below.
l.	40 CFR Part 60, Subpart A (40 CFR 60.1 – 60.19)	General Provisions

(2) Additional Terms and Conditions

- a. The permittee performed a Best Available Control Technology (BACT) review for NO_x, SO₂, CO, PM₁₀, H₂SO₄, and VOC in the initial PTI 06-06167, issued 1/18/2001. This permit modification did not trigger PSD, so a new BACT review was not necessary. The emission limitations based on the BACT requirements are listed under 40 CFR 52.21 and OAC rules 3745-31-10 through 3745-31-20 above. The following determinations were made for each pollutant:
- i. As part of the Best Available Control Technology (BACT) determination for NO_x, the permittee shall install and maintain dry low NO_x burners, and a selective catalytic reduction (SCR) system on this emissions unit. Operation of these control systems shall reduce NO_x emissions to the limitations specified in b)(1)a.
 - ii. As part of the BACT determination for CO, the permittee shall operate the emissions unit in accordance with good combustion practices as



recommended by the manufacturer to ensure compliance with the CO limitations specified in b)(1)a.

- iii. As part of the BACT determination for PM/PM₁₀, SO₂ and H₂SO₄, the permittee shall only use natural gas (as specified in c)(1)) in this emissions unit.
- iv. As part of the BACT determination for VOC, the permittee shall operate the emissions unit in accordance with good combustion practices as recommended by the manufacturer.
- b. If the permittee is subject to the requirements of OAC chapter 103 and 40 CFR Parts 72 and 75 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.
- c. This emissions unit is subject to New Source Performance Standard (NSPS) Subpart KKKK. As provided in OAC rule 3745-110-02(A)(2), the emissions limitation for NO_x in NSPS Subpart KKKK for the combustion turbine was determined to be more stringent than the requirements for NO_x in OAC Chapter 3745-110-03(E)(2)(d)(i). Therefore, this emissions unit shall comply with NSPS Subpart KKKK for NO_x in lieu of the requirements of OAC Chapter 3745-110-03(E)(2)(d)(i) for the combustion turbine.
- d. The requirements of OAC rule 3745-110-03(D) for very large boilers do not apply to the HRSG duct burners because the definition of industrial boiler does not include boilers that serve electrical generating units and cogeneration facilities.
- e. Only heat input to the combustion turbine should be included when determining whether or not NSPS Subpart KKKK is applicable to your turbine. Any additional heat input to associated heat recovery steam generators (HRSG) or duct burners should not be included when determining your peak heat input. However, this subpart does apply to emissions from any associated HRSG and duct burners.
- f. The permittee shall maintain a written quality assurance/quality control plan for the continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system), designed to ensure continuous valid and representative readings of NO_x (and CO₂ or O₂) emissions in units of the applicable standard(s). The fuel flow monitor/meter shall be maintained as required in Part 75, Appendix D. Except as allowed below, the plan shall follow the requirements of 40 CFR Part 60, Appendix F and 40 CFR Part 75, Appendix B. The quality assurance/quality control plan and a logbook dedicated to the continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system) must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct relative accuracy test audits for the continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system) in accordance with the frequencies required pursuant to 40 CFR Part 60 and 40 CFR Part 75; or may follow relative accuracy test audit frequency requirements for monitoring systems subject to 40 CFR 75, Appendix B, in lieu of



frequencies required in 40 CFR Part 60. In either case, results shall be recorded and reported in units of the applicable standard(s) in accordance with 40 CFR Part 60.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits pursuant to 40 CFR Part 60, and linearity checks pursuant to 40 CFR Part 75; however, linearity checks completed pursuant to 40 CFR Part 75, Appendix B, may be substituted for the quarterly cylinder gas or relative accuracy audits required per 40 CFR Part 60.

- g. The permittee shall maintain a written quality assurance/quality control plan for the continuous CO monitoring system (including the associated continuous CO₂ or O₂ monitoring system), designed to ensure continuous valid and representative readings of CO and CO₂ or O₂ emissions in units of the applicable standard(s). The fuel flow monitor/meter shall be maintained as required in Part 75, Appendix D. Except as allowed below, the plan shall follow the requirements of 40 CFR Part 60, Appendix F. The quality assurance/quality control plan and a logbook dedicated to the continuous CO monitoring system (including the associated continuous CO₂ or O₂ monitoring system) must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct relative accuracy test audits for the continuous CO monitoring system (including the associated continuous CO₂ or O₂ monitoring system) in accordance with the frequencies required for monitoring systems subject to 40 CFR 60, or may follow relative accuracy test audit frequency requirements for monitoring systems subject to 40 CFR 75, Appendix B. In either case, results shall be recorded and reported in units of the applicable standard(s) in accordance with 40 CFR Part 60.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits as required in 40 CFR Part 60; however, the quarterly cylinder gas audit and relative accuracy audit frequency requirements may be adjusted to coincide with linearity checks completed for continuous emissions monitoring systems subject to 40 CFR Part 75, Appendix B requirements.

c) Operational Restrictions

- (1) The permittee shall burn only pipeline quality natural gas with a maximum sulfur content not exceed 0.5 grains per 100 standard cubic feet in this emissions unit.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0140789)

- (2) Startup shall be defined as the period between when the combustion turbine is initially started until the combustion turbine achieves combustion operational Mode 6. Shutdown shall be defined as the period beginning when the combustion turbine leaves operational Mode 6 and ending when combustion has ceased. Mode 6 is defined by the manufacturer as the low emissions mode during which all 6 of the burner nozzles are in use, burning a lean premixed gas for steady-state operation (i.e., in compliance with the NO_x and CO lbs/hr emission limitations listed in b)(1) above). The continuous emission monitoring system will indicate and record the combustion turbine operational mode, including when the emissions unit is shut down and



when operating in start-up and shutdown modes. This system will also be used to demonstrate compliance with the NO_x and CO emissions limitations during steady-state operation (Mode 6) and startups/shutdowns.

Startups shall not exceed 250 minutes in duration and shutdowns shall not exceed 120 minutes in duration. The total of all start-ups and shutdowns shall be limited to 260 cycles (each cycle consists of one start-up and one shutdown) per year.

Each startup and shutdown shall be limited to the following:

<u>Pollutant</u>	<u>Maximum Emissions Rate (lbs/hr per turbine)</u>
NO _x	400
CO	1,658
VOC	94

Compliance with the above CO and NO_x lbs/hr startup and shutdown emission limitations shall be demonstrated using the continuous emissions monitoring system based on a 1-hour block average. Compliance with the VOC lbs/hr startup and shutdown emission limitation shall be demonstrated through the record keeping requirements specified in d)(1) of this permit.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0140789)

- (3) Except during periods of startup, the SCR system for this emissions unit shall be in operation at all times, including during the shutdown of the unit.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0140789)

- (4) In accordance with good engineering practices, the SCR unit shall be operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. The permittee shall maintain on site a copy of the operation and maintenance manual, as provided by the manufacturer.

(Authority for term: OAC rule 3745-77-07(A)(1) and PTI P0140789)

- (5) The permittee shall comply with the applicable restrictions required under 40 CFR Part 60, Subpart KKKK, including the following:

60.4333(a)	You must operate and maintain your stationary combustion turbine, air pollution control equipment, and monitoring equipment in a manner consistent with good air pollution control practices for minimizing emissions at all times including during startup, shutdown, and malfunction.
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(Authority for term: OAC rule 3745-77-07(A)(1), 40 CFR Part 60 Subpart KKKK, and PTI P0140789)

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain monthly records of the following information for this emissions unit:
- a. the natural gas usage rate (in standard cubic feet);



- b. the hours of operation of the combustion turbine;
- c. the hours of operation of the duct burners;
- d. the number of start-ups, and the duration, in minutes, of each start-up;
- e. the number of shutdowns, and the duration, in minutes, of each shutdown;
- f. the total number of start-up/shutdown cycles;
- g. the NO_x emissions, in tons, for each start-up/shutdown cycle based on the data collected and maintained in the DAHS, including data generated pursuant to the approved data substitution protocol;
- h. The CO emissions, in tons, for each start-up/shutdown cycle based on the data collected and maintained in the DAHS, including data generated pursuant to the approved data substitution protocol;
- i. the VOC emissions, in tons, for each start-up/shutdown cycle, based on the emission factor of 94 pounds per hour;
- j. the total NO_x emissions during steady-state operation (Mode 6), in tons;
- k. the total CO emissions during steady-state operation (Mode 6), in tons;
- l. the total CO emissions, in tons, including start-up/shutdown emissions;
- m. the total VOC emissions, in tons, including start-up/shutdown emissions;
- n. the total SO₂, PM/PM₁₀, NH₃, and H₂SO₄ emissions, in pounds;
- o. the total NH₃ emissions, in tons;
- p. the rolling, 12-month summation of the NO_x emissions, in tons, including start-up/shutdown emissions;
- q. the rolling, 12-month summation of the steady-state (Mode 6) CO, in tons;
- r. the rolling, 12-month summation of the total CO emissions, in tons, including start-up/shutdown emissions;
- s. the rolling, 12-month summation of the VOC emissions, in tons, including start-up/shutdown emissions; and
- t. the rolling, 12-month summation of the SO₂, PM/PM₁₀, and H₂SO₄ emissions, in tons.

This emissions unit has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the emissions upon issuance of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (2) The permittee shall maintain on site the document(s) of certification received from the U.S. EPA or the Ohio EPA's Central Office documenting that the continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system) has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specifications 2 and 3; the



accuracy requirements of Performance Specification 6; and has been certified by U.S. EPA or recommended for certification by Ohio EPA to U.S. EPA under 40 CFR Part 75. The permittee shall document that the fuel flow monitor/meter meets 40 CFR 75 certification requirements prior to the performance specification test, and shall demonstrate how the pound per hour emissions of NO_x is being calculated stoichiometrically. The letter(s)/document(s) of certification under Part 60 and certification or recommendation for certification under Part 75 shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, and PTI P0140789)

- (3) The permittee shall operate and maintain equipment to continuously monitor and record NO_x and CO₂ or O₂ emissions from this emissions unit in units of the applicable standard(s). The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60 and/or Part 75.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, and PTI P0140789)

- (4) The permittee shall maintain records of all data obtained by the continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system) including, but not limited to:
- a. emissions of NO_x in parts per million for each cycle time of the analyzer, with no resolution less than one data point per minute required;
 - b. emissions of NO_x in pounds per hour and in units of the applicable standard(s) in the appropriate averaging period;
 - c. the percent CO₂ or O₂ with each cycle time of the analyzer, with no resolution less than one data point per minute required;
 - d. results of quarterly cylinder gas audits or linearity checks;
 - e. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;
 - f. results of required relative accuracy test audit(s), including results in units of the applicable standard(s);
 - g. hours of operation of the emissions unit, continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system), and control equipment;
 - h. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system);
 - i. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system); as well as,
 - j. the reason (if known) and the corrective actions taken (if any) for each such event in d)(5)h. and i.



All valid data points generated and recorded by the continuous emission monitoring and data acquisition and handling system shall be used in the calculation of the pollutant concentration and/or emission rate over the appropriate averaging period.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, and PTI P0140789)

- (5) The permittee may operate and maintain equipment to continuously monitor and record the fuel flow rate in order to stoichiometrically calculate emissions of NO_x in pounds per hour, as an alternative to conducting Specification 6. Fuel heat content values for each fuel burned, as applied in the stoichiometric calculations, shall also be recorded. The permittee shall maintain records of data obtained by the fuel flow monitor/meter, including the dates and results of each calibration check and the magnitude of calibration adjustments; periods of downtime and malfunction of the fuel flow monitor/meter; as well as, the reason (if known) and the corrective actions taken (if any) for each such event.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, and PTI P0140789)

- (6) The permittee shall maintain on site the document(s) of certification received from the U.S. EPA or the Ohio EPA's Central Office documenting that the continuous CO monitoring system (including the associated continuous CO₂ or O₂ monitoring system) has been certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specifications 3 and 4 or 4a (as appropriate), and the accuracy requirements of Specification 6. The permittee shall document that the fuel flow monitor/meter meets 40 CFR 75 certification requirements prior to the performance specification test, and shall demonstrate how the pound per hour emissions of CO (and CO₂ or O₂) is being calculated stoichiometrically. The letter(s)/document(s) of certification under Part 60 shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, and PTI P0140789)

- (7) The permittee shall operate and maintain equipment to continuously monitor and record CO and CO₂ or O₂ emissions from this emissions unit in units of the applicable standard(s). The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Parts 60 and/or Part 75.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, and PTI P0140789)

- (8) The permittee shall maintain records of all data obtained by the continuous CO monitoring system including, but not limited to:
- a. emissions of CO in parts per million for each cycle time of the analyzer, with no resolution less than one data point per minute required;
 - b. emissions of CO in pounds per hour and in units of the applicable standard(s) in the appropriate averaging period;
 - c. the percent CO₂ or O₂ with each cycle time of the analyzer, with no resolution less than one data point per minute required;
 - d. results of quarterly cylinder gas audits;



- e. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;
- f. results of required relative accuracy test audit(s), including results in units of the applicable standard(s);
- g. hours of operation of the emissions unit, continuous CO monitoring system (including the associated continuous CO₂ or O₂ monitoring system), and control equipment;
- h. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous CO monitoring system (including the associated continuous CO₂ or O₂ monitoring system);
- i. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous CO monitoring system (including the associated continuous CO₂ or O₂ monitoring system); as well as,
- j. the reason (if known) and the corrective actions taken (if any) for each such event in d)(9)h. and i.

All valid data points generated and recorded by the continuous emission monitoring and data acquisition and handling system shall be used in the calculation of the pollutant concentration and/or emission rate over the appropriate averaging period.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, and PTI P0140789)

- (9) The permittee may operate and maintain equipment to continuously monitor and record the fuel flow rate in order to stoichiometrically calculate emissions of CO in pounds per hour, as an alternative to conducting Specification 6. Fuel heat content values for each fuel burned, as applied in the stoichiometric calculations, shall also be recorded. The permittee shall maintain records of data obtained by the fuel flow monitor/meter, including the dates and results of each calibration check and the magnitude of calibration adjustments; periods of downtime and malfunction of the fuel flow monitor/meter; as well as, the reason (if known) and the corrective actions taken (if any) for each such event.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, and PTI P0140789)

- (10) The permittee shall collect, record, and maintain measurements, data, records, and reports required per 40 CFR Part 75; and shall submit certification, recertification, notifications, applications, monitoring plans, petitions for alternative monitoring systems, electronic quarterly reports, and any other pertinent record and/or report to the Administrator (U.S. EPA), as required by Part 75.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, and PTI P0140789)

- (11) The permittee shall operate and maintain equipment to continuously monitor and record the actual fuel flow to this emissions unit when the emissions unit is in operation. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 75. If the fuel flow monitoring and/or recording equipment is (are) not in service when the emissions unit is in operation, the permittee shall comply with the approved data substitution protocol.



Fuel flow data that is substituted in accordance with 40 CFR Part 75, Appendix D, is not to be used when verifying compliance with the hourly NO_x and CO pounds per hour emission limits. Hours in which fuel flow is substituted should be included as NO_x and CO monitoring system downtime.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Parts 60 and 75, and PTI P0140789)

- (12) The permittee shall monitor the sulfur content and gross caloric value of the fuel being fired in the combustion turbine and duct burners. The BACT requirements for SO₂ emissions in b)(1)(a) are based on a factor of 0.0006 lb SO₂/MMBtu, which is the default emission factor for pipeline quality natural gas in 40 CFR Part 75, Appendix D. Therefore, the permittee must document that the fuel combusted is actually pipeline natural gas using procedures as outlined in Part 75 Appendix D 2.3.1.4 to be able to utilize the 0.0006 lb SO₂/MMBtu emission factor since it is more stringent than the sulfur content limit in 60.4330, after modification of each emissions unit. The permittee shall use the following information to make the required demonstration:
- a. the fuel quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the fuel, specifying that the maximum total sulfur content for natural gas is 0.5 grain of sulfur or less per 100 standard cubic feet and has potential sulfur emissions of less than 0.060 lb SO₂/MMBtu of heat input; or
 - b. representative fuel sampling data which show that the sulfur content of the fuel does not exceed 0.0006 lb SO₂/MMBtu of heat input. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 75 of this chapter is required.

Per 40 CFR Part 75, Appendix D section 2.3.1.4, the permittee has demonstrated that the gaseous fuel is pipeline natural gas. Therefore, ongoing sampling of the fuel's sulfur content is required annually and whenever the fuel supply sources change. Sampling and analysis of the fuel gross calorific value is required monthly.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, and PTI P0140789)

- (13) The permittee shall determine the hourly heat input rate to the combustion turbine and duct burner, in MMBtu, from the fuel flow rate as determined in d)(12) and gross calorific value as determined in d)(13). The heat input rate shall be calculated in accordance with the procedures in section 5 of 40 CFR Part 75, Appendix F.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, and PTI P0140789)

- (14) For each day during which the permittee burns a fuel other than natural gas with a maximum sulfur content of 0.5 grains per 100 standard cubic feet, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (15) The permit-to-install application for increases in emissions from emissions units P001 and P002 was evaluated based on the actual materials and the design parameters of the emissions unit's(s') exhaust system, as specified by the permittee. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to these emissions units for each toxic air contaminant listed in



OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant emitted at over one ton per year using an air dispersion model such as SCREEN3, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration results from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled “Review of New Sources of Air Toxic Emissions, Option A”, as follows:

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

$$\text{TLV}/10 \times 8/24 \times 5/7 = 4 \text{ TLV}/XY = \text{MAGLC}$$

- d. The following summarizes the results of dispersion modeling for the significant toxic contaminant emissions increase of 1 or more tons/year:

Toxic Contaminant: NH_3

TLV (mg/m^3): 17.41

Maximum Hourly Emission Rate (lbs/hr): 7.16

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m^3): 2.22

MAGLC (ug/m^3): 414.6

The permittee, has demonstrated that increases in emissions of NH_3 , from emissions units P001 and P002 are calculated to be less than eighty per cent of the maximum acceptable ground level



concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (16) Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration, the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:
- a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;
 - b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and
 - c. physical changes to the emissions unit(s) or its/their exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

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

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (17) The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):
- a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);
 - b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F);



- c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the “Toxic Air Contaminant Statute”, ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and
- d. the documentation of the initial evaluation of compliance with the “Toxic Air Contaminant Statute”, ORC 3704.03(F), and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (18) The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the “Toxic Air Contaminant Statute”, ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (19) The permittee shall comply with the applicable monitoring and recordkeeping requirements required under 40 CFR Part 60, Subpart KKKK, including the following sections:

60.4340(a)	Except as provided for in paragraphs (a)(1) through (4) of this section, if you are not using water or steam injection to control NO_x emissions, you must perform annual performance tests (no more than 14 calendar months following the previous performance test) in accordance with § 60.4400 to demonstrate continuous compliance. (1) If the NO_x emission result from the performance test is less than or equal to 75 percent of the NO_x emission limit for the turbine, you may reduce the frequency of subsequent performance tests to once every 2 years (no more than 26 calendar months following the previous performance test). If the results of any subsequent performance test exceed 75 percent of the NO_x emission limit for the turbine, you must resume annual performance tests. (2) An affected facility that has not operated for the 60 calendar days prior to the due date of a performance test is not required to perform the subsequent performance test until 45 calendar days after the next operating day. The Administrator or delegated authority must be notified of recommencement of operation consistent with § 60.4375(d). (3) If you own or operate an affected facility that has operated 168 operating hours or less in total or with a particular fuel since the date the previous performance test was required to be conducted, you may request an extension from the otherwise
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	required performance test until after the affected facility has operated more than 168 operating hours in total or with a particular fuel since the date of the previous performance test was required to be conducted. A request for an extension under this paragraph (a)(3) must be addressed to the relevant air division or office director of the appropriate Regional Office of the U.S. EPA as identified in § 60.4(a) for his or her approval at least 30 calendar days prior to the date on which the performance test is required to be conducted. If an extension is approved, a performance test must be conducted within 45 calendar days after the day the facility reaches 168 hours of operation since the date the previous performance test was required to be conducted. When the facility has operated more than 168 operating hours since the date the previous performance test was required to be conducted, the Administrator or delegated authority must be notified consistent with § 60.4375(d). (4) For a facility at which a group consisting of no more than five similar stationary combustion turbines (i.e., same manufacturer and model number) is operated, you may request the use of a custom testing schedule by submitting a written request to the Administrator or delegated authority. The minimum requirements of the custom schedule include the conditions specified in paragraphs (a)(4)(i) through (v) of this section. (i) Emissions from the most recent performance test for each individual affected facility are 75 percent or less of the applicable standard; (ii) Each stationary combustion turbine uses the same emissions control technology; (iii) Each stationary combustion turbine is operated in a similar manner; (iv) Each stationary combustion turbine and its emissions control equipment are maintained according to the manufacturer's recommended maintenance procedures; and (v) A performance test is conducted on each facility at least once every 5 calendar years.
60.4340(b)	As an alternative, you may install, calibrate, maintain and operate one of the following continuous monitoring systems: (1) Continuous emission monitoring as described in §§ 60.4335(b) and 60.4345, or

	(2) Continuous parameter monitoring as follows: (i) For a diffusion flame turbine without add-on selective catalytic reduction (SCR) controls, you must define parameters indicative of the unit's NO_x formation characteristics, and you must monitor these parameters continuously. (ii) For any lean premix stationary combustion turbine, you must continuously monitor the appropriate parameters to determine whether the unit is operating in low-NO_x mode. (iii) For any turbine that uses SCR to reduce NO_x emissions, you must continuously monitor appropriate parameters to verify the proper operation of the emission controls. (iv) For affected units that are also regulated under part 75 of this chapter, you can monitor the NO_x emission rate using the methodology in appendix E to part 75, or the low mass emissions methodology in § 75.19 of this chapter, the requirements of this paragraph (b) may be met by performing the parametric monitoring described in section 2.3 of appendix E to part 75 or in § 75.19(c)(1)(iv)(H).
60.4345(a)	Each NO_x diluent CEMS must be installed and certified according to Performance Specification 2 (PS 2) in appendix B to this part, except the 7-day calibration drift is based on unit operating days, not calendar days. Procedure 1 in appendix F to this part is not required. Alternatively, a NO_x diluent CEMS that is installed and certified according to appendix A to part 75 of this chapter is acceptable for use under this subpart. The relative accuracy test audit (RATA) of the CEMS shall be performed on a lb/MMBtu basis.
60.4345(b)	As specified in § 60.13(e)(2), during each full unit operating hour, both the NO_x monitor and the diluent monitor must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each 15-minute quadrant of the hour, to validate the hour. For partial unit operating hours, at least one valid data point must be obtained with each monitor for each quadrant of the hour in which the unit operates. For unit operating hours in which required quality assurance and maintenance activities are performed on the CEMS, a minimum of two valid data points (one in each of two quadrants) are required for each monitor to validate the NO_x emission rate for the hour.
60.4345(c)	Each fuel flowmeter shall be installed, calibrated, maintained, and operated according to the manufacturer's instructions. Alternatively, fuel flowmeters that meet the installation, certification, and quality

	assurance requirements of appendix D to part 75 of this chapter are acceptable for use under this subpart.
60.4345(d)	Each watt meter, steam flow meter, and each pressure or temperature measurement device shall be installed, calibrated, maintained, and operated according to manufacturer's instructions.
60.4345(e)	The owner or operator shall develop and keep on-site a quality assurance (QA) plan for all of the continuous monitoring equipment described in paragraphs (a), (c), and (d) of this section. For the CEMS and fuel flow meters, the owner or operator may satisfy the requirements of this paragraph (e) by implementing the QA program and plan described in section 1 of appendix B to part 75 of this chapter.
60.4350(a)	All CEMS data must be reduced to hourly averages as specified in § 60.13(h)
60.4350(b)	For each unit operating hour in which a valid hourly average, as described in § 60.4345(b), is obtained for both NO _x and diluent monitors, the data acquisition and handling system must calculate and record the hourly NO _x emission rate in units of ppm or lb/MMBtu, using the appropriate equation from method 19 in appendix A of this part. For any hour in which the hourly average O ₂ concentration exceeds 19.0 percent O ₂ (or the hourly average CO ₂ concentration is less than 1.0 percent CO ₂), a diluent cap value of 19.0 percent O ₂ or 1.0 percent CO ₂ (as applicable) may be used in the emission calculations.
60.4350(d)	If you have installed and certified a NO _x diluent CEMS to meet the requirements of part 75 of this chapter, only quality assured data from the CEMS shall be used to identify excess emissions under this subpart. Periods where the missing data substitution procedures in subpart D of part 75 are applied are to be reported as monitor downtime in the excess emissions and monitoring performance report required under § 60.7(c).
60.4350(e)	All required fuel flow rate, steam flow rate, temperature, pressure, and megawatt data must be reduced to hourly averages.
60.4350(f)	Calculate the hourly average NO _x emission rates, in units of the emission standards under § 60.4320, using either ppm for units complying with the concentration limit.
60.4350(h)	For combined cycle and combined heat and power units with heat recovery, use the calculated hourly average emission rates from paragraph (f) of this section to assess excess emissions on a 30 unit operating day rolling average basis, as described in § 60.4380(b)(1).
60.4360	You must monitor the total sulfur content of the fuel being fired in the turbine, except as provided in § 60.4365. The sulfur content of the fuel must be determined using total sulfur methods described in § 60.4415.

	Alternatively, if the total sulfur content of the gaseous fuel during the most recent performance test was less than half the applicable limit, ASTM D4084-05, D4810-88 (Reapproved 1999), D5504-01, or D6228-98 (Reapproved 2003), or Gas Processors Association Standard 2377-86 (all of which are incorporated by reference, see § 60.17), which measure the major sulfur compounds, may be used.
60.4370(b)	The frequency of determining the sulfur content of the fuel must be as follows: Gaseous fuel. If you elect not to demonstrate sulfur content using options in § 60.4365, and the fuel is supplied without intermediate bulk storage, the sulfur content value of the gaseous fuel must be determined and recorded once per unit operating day.
60.4370(c)	The frequency of determining the sulfur content of the fuel must be as follows: Custom schedules. Notwithstanding the requirements of paragraph (b) of this section, operators or fuel vendors may develop custom schedules for determination of the total sulfur content of gaseous fuels, based on the design and operation of the affected facility and the characteristics of the fuel supply. Except as provided in paragraphs (c)(1) and (c)(2) of this section, custom schedules shall be substantiated with data and shall be approved by the Administrator before they can be used to comply with the standard in § 60.4330. (1) The two custom sulfur monitoring schedules set forth in paragraphs (c)(1)(i) through (iv) and in paragraph (c)(2) of this section are acceptable, without prior Administrative approval: (i) The owner or operator shall obtain daily total sulfur content measurements for 30 consecutive unit operating days, using the applicable methods specified in this subpart. Based on the results of the 30 daily samples, the required frequency for subsequent monitoring of the fuel's total sulfur content shall be as specified in paragraph (c)(1)(ii), (iii), or (iv) of this section, as applicable. (ii) If none of the 30 daily measurements of the fuel's total sulfur content exceeds half the applicable standard, subsequent sulfur content monitoring may be performed at 12-month intervals. If any of the samples taken at 12-month intervals has a total sulfur content greater than half but less than the applicable limit, follow the procedures in paragraph (c)(1)(iii) of this section. If any measurement exceeds the applicable



	limit, follow the procedures in paragraph (c)(1)(iv) of this section. (iii) If at least one of the 30 daily measurements of the fuel's total sulfur content is greater than half but less than the applicable limit, but none exceeds the applicable limit, then: (A) Collect and analyze a sample every 30 days for 3 months. If any sulfur content measurement exceeds the applicable limit, follow the procedures in paragraph (c)(1)(iv) of this section. Otherwise, follow the procedures in paragraph (c)(1)(iii)(B) of this section. (B) Begin monitoring at 6-month intervals for 12 months. If any sulfur content measurement exceeds the applicable limit, follow the procedures in paragraph (c)(1)(iv) of this section. Otherwise, follow the procedures in paragraph (c)(1)(iii)(C) of this section. (C) Begin monitoring at 12-month intervals. If any sulfur content measurement exceeds the applicable limit, follow the procedures in paragraph (c)(1)(iv) of this section. Otherwise, continue to monitor at this frequency. (iv) If a sulfur content measurement exceeds the applicable limit, immediately begin daily monitoring according to paragraph (c)(1)(i) of this section. Daily monitoring shall continue until 30 consecutive daily samples, each having a sulfur content no greater than the applicable limit, are obtained. At that point, the applicable procedures of paragraph (c)(1)(ii) or (iii) of this section shall be followed. (2) The owner or operator may use the data collected from the 720-hour sulfur sampling demonstration described in section 2.3.6 of appendix D to part 75 of this chapter to determine a custom sulfur sampling schedule, as follows: (i) If the maximum fuel sulfur content obtained from the 720 hourly samples does not exceed 20 grains/100 scf, no additional monitoring of the sulfur content of the gas is required, for the purposes of this subpart. (ii) If the maximum fuel sulfur content obtained from any of the 720 hourly samples exceeds 20 grains/100 scf, but none of the sulfur content values (when converted to weight percent sulfur) exceeds half the applicable limit, then the minimum
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	required sampling frequency shall be one sample at 12 month intervals. (iii) If any sample result exceeds half the applicable limit, but none exceeds the applicable limit, follow the provisions of paragraph (c)(1)(iii) of this section. (iv) If the sulfur content of any of the 720 hourly samples exceeds the applicable limit, follow the provisions of paragraph (c)(1)(iv) of this section.
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(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60 Subpart KKKK, and PTI P0140789)

e) Reporting Requirements

- (1) All reports required below, including reports pursuant to federal rules, shall be submitted to Ohio EPA through Air Services, in accordance with Part A- Standard Terms and Conditions of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (2) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas with a maximum sulfur content of the natural gas of 0.5 grains per 100 standard cubic feet was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurred.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (3) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
- all records which show that the start-up duration exceeded 250 minutes;
 - all records which show that the shutdown duration exceeded 120 minutes;
 - all records which show that the total number of start-up/shutdown cycles exceeded 260;
 - all exceedances of the NO_x, CO, and/or VOC start-up limitations; and
 - all exceedances of the rolling, 12-month NO_x, CO, VOC, SO₂, H₂SO₄ and/or PM/PM₁₀ emission limitations.

These quarterly reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (4) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system):
- Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following



the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of NO_x emissions in excess of any applicable limit specified in this permit, 40 CFR Part 60, OAC Chapters 3745-14 and 3745-23, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s).

- b. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of continuous CO₂ or O₂ monitoring system downtime and malfunction while the emissions unit was on line.
- c. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:
 - i. the facility name and address;
 - ii. the manufacturer and model number of the continuous NO_x and CO₂ or O₂ and other associated monitors;
 - iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;
 - iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;
 - v. the total NO_x emissions for the calendar quarter (tons);
 - vi. the total operating time (hours) of the emissions unit;
 - vii. the total operating time of the continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system) while the emissions unit was in operation;
 - viii. results and date of quarterly cylinder gas audits or linearity checks;
 - ix. unless previously submitted, results and date of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));
 - x. unless previously submitted, the results of any relative accuracy test audit showing the continuous NO_x and CO₂ or O₂ monitor out-of-control and the compliant results following any corrective actions;



- xi. the date, time, and duration of any/each malfunction** of the continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system), emissions unit, and/or control equipment;
- xii. the date, time, and duration of any downtime** of the continuous NO_x monitoring system (including the associated continuous CO₂ or O₂ monitoring system) and/or control equipment while the emissions unit was in operation; and
- xiii. the reason (if known) and the corrective actions taken (if any) for each event in e)(6)c.xi. and xii.

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report

** each downtime and malfunction event shall be reported regardless if there is an exceedance of any applicable limit

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, and PTI P0140789)

- (5) If using the fuel flow rate to stoichiometrically calculate the pound per hour emissions of NO_x in place of Specification 6 requirements, the permittee shall submit quarterly reports, to the appropriate Ohio EPA District Office or local air agency, that document the date, time, and duration of each malfunction and/or period of downtime of the continuous fuel flow monitoring system, while the emissions unit was in operation, and the reason (if known) and the corrective actions taken (if any) for each such event. If there was no downtime or malfunction of the continuous fuel flow monitoring system during any calendar quarter, the report shall be submitted so stating it. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 75, and PTI P0140789)

- (6) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous CO monitoring system (including the associated continuous CO₂ or O₂ monitoring system):
 - a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of CO emissions in excess of any applicable limit specified in this permit, 40 CFR Part 60, OAC Chapter 3745-21, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as, the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s).



- b. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of continuous CO₂ or O₂ monitoring system downtime and malfunction while the emissions unit was on line.
- c. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:
 - i. the facility name and address;
 - ii. the manufacturer and model number of the continuous CO and CO₂ or O₂ and other associated monitors;
 - iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;
 - iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;
 - v. the total CO emissions for the calendar quarter (tons);
 - vi. the total operating time (hours) of the emissions unit;
 - vii. the total operating time of the continuous CO monitoring system (including the associated continuous CO₂ or O₂ monitoring system) while the emissions unit was in operation;
 - viii. results and dates of quarterly cylinder gas audits;
 - ix. unless previously submitted, results and dates of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));
 - x. unless previously submitted, the results of any relative accuracy test audit showing the continuous CO and CO₂ or O₂ monitor out-of-control and the compliant results following any corrective actions;
 - xi. the date, time, and duration of any/each malfunction** of the continuous CO monitoring system (including the associated continuous CO₂ or O₂ monitoring system), and/or emissions unit;
 - xii. the date, time, and duration of any downtime** of the continuous CO monitoring system (including the associated continuous CO₂ or O₂ monitoring system) while the emissions unit was in operation; and
 - xiii. the reason (if known) and the corrective actions taken (if any) for each event in e)(6)c.xi. and xii.



Each report shall address the operations conducted and data obtained during the previous calendar quarter.

* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report

** each downtime and malfunction event shall be reported regardless of whether there is an exceedance of any applicable limit.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, and PTI P0140789)

- (7) If using the fuel flow rate to stoichiometrically calculate the pound per hour emissions of CO, in place of Specification 6 requirements, the permittee shall submit quarterly reports, to the appropriate Ohio EPA District Office or local air agency, that document the date, time, and duration of each malfunction and/or period of downtime of the continuous fuel flow monitoring system, while the emissions unit was in operation, and the reason (if known) and the corrective actions taken (if any) for each such event. If there was no downtime or malfunction of the continuous fuel flow monitoring system during any calendar quarter, the report shall be submitted so stating it. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60, and PTI P0140789)

- (8) The permittee shall submit annual reports that include any changes to any parameter or value used in the dispersion model used to demonstrate compliance with the "Toxic Air Contaminate Statute", ORC 3704.03(F), through the predicted 1-hour maximum concentration. The report should include:
- a. the original model input;
 - b. the updated model input;
 - c. the reason for the change(s) to the input parameter(s); and
 - d. a summary of the results of the updated modeling, including the input changes; and
 - e. a statement that the model results indicate that the 1-hour maximum ground-level concentration is less than 80% of the MAGLC.

If no changes to the emissions, emissions unit(s), or the exhaust stack have been made during the reporting period, then the report shall include a statement to that effect.

(Authority for term: OAC rule 3745-77-07(C)(1) and PTI P0140789)

- (9) The permittee shall submit notifications and reports to the appropriate Ohio EPA District office as required pursuant to 40 CFR Part 60, Subpart KKKK, per the following sections:

60.4375(a)	For each affected unit required to continuously monitor parameters or emissions, or to periodically determine the fuel sulfur content under this subpart, you must submit reports of excess emissions and monitor downtime, in accordance with § 60.7(c). Excess emissions must be
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	reported for all periods of unit operation, including start-up, shutdown, and malfunction.
60.4375(b)	The notification requirements of § 60.8 apply to the initial and subsequent performance tests.
60.4375(c)	An owner or operator of an affected facility complying with § 60.4340(a)(2) must notify the Administrator or delegated authority within 15 calendar days after the facility recommences operation.
60.4375(e)	Beginning on March 16, 2026, within 60 days after the date of completing each performance test or continuous emissions monitoring systems (CEMS) performance evaluation that includes a RATA, you must submit the results following the procedures specified in paragraph (g) of this section. You must submit the report in a file format generated using the EPA's Electronic Reporting Tool (ERT). Alternatively, you may submit an electronic file consistent with the extensible markup language (XML) schema listed on the EPA's ERT website (https://www.epa.gov/electronic-reporting-air-emissions/electronic-reporting-tool-ert) accompanied by the other information required by § 60.8(f)(2) in PDF format.
60.4375(f)	You must submit to the Administrator semiannual reports of the following recorded information. Beginning on January 15, 2027, or once the report template for this subpart has been available on the Compliance and Emissions Data Reporting Interface (CEDRI) website (https://www.epa.gov/electronic-reporting-air-emissions/cedri) for one year, whichever date is later, submit all subsequent reports using the appropriate electronic report template on the CEDRI website for this subpart and following the procedure specified in paragraph (g) of this section. The date report templates become available will be listed on the CEDRI website. Unless the Administrator or delegated State agency or other authority has approved a different schedule for submission of reports, the report must be submitted by the deadline specified in this subpart, regardless of the method in which the report is submitted.
60.4375(g)	If you are required to submit notifications or reports following the procedure specified in this paragraph (g), you must submit notifications or reports to the EPA via CEDRI, which can be accessed through the EPA's Central Data Exchange (CDX) (https://cdx.epa.gov/). The EPA will make all the information submitted through CEDRI available to the public without further notice to you. Do not use CEDRI to submit information you claim as CBI. Although we do not expect persons to assert a claim of CBI, if you wish to assert a CBI claim for some of the information in the report or notification, you must submit a complete file in the format specified in this subpart, including information claimed to be CBI, to the EPA following the procedures in paragraphs (g)(1) and (2) of this section.

	Clearly mark the part or all of the information that you claim to be CBI. Information not marked as CBI may be authorized for public release without prior notice. Information marked as CBI will not be disclosed except in accordance with procedures set forth in 40 CFR part 2. All CBI claims must be asserted at the time of submission. Anything submitted using CEDRI cannot later be claimed CBI. Furthermore, under CAA section 114(c), emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available. You must submit the same file submitted to the CBI office with the CBI omitted to the EPA via the EPA's CDX as described earlier in this paragraph (g). (1) The preferred method to receive CBI is for it to be transmitted electronically using email attachments, File Transfer Protocol, or other online file sharing services. Electronic submissions must be transmitted directly to the OAQPS CBI Office at the email address oaqps_cbi@epa.gov, and as described above, should include clear CBI markings. ERT files should be flagged to the attention of the Group Leader, Measurement Policy Group; all other files should be flagged to the attention of the Stationary Combustion Turbine Sector Lead. If assistance is needed with submitting large electronic files that exceed the file size limit for email attachments, and if you do not have your own file sharing service, please email oaqps_cbi@epa.gov to request a file transfer link. (2) If you cannot transmit the file electronically, you may send CBI information through the postal service to the following address: U.S. EPA, Attn: OAQPS Document Control Office, Mail Drop: C404-02, 109 T.W. Alexander Drive, P.O. Box 12055, RTP, NC 27711. In addition to the OAQPS Document Control Officer, ERT files should also be sent to the attention of the Group Leader, Measurement Policy Group, and all other files should also be sent to the attention of the Stationary Combustion Turbine Sector Lead. The mailed CBI material should be double wrapped and clearly marked. Any CBI markings should not show through the outer envelope.
60.4375(h)	If you are required to electronically submit a report through CEDRI in EPA's CDX, you may assert a claim of EPA system outage for failure to timely comply with that reporting requirement. To assert a claim of EPA system outage, you must meet the requirements outlined in paragraphs (h)(1) through (7) of this section.



	(1) You must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems. (2) The outage must have occurred within the period of time beginning 5 business days prior to the date that the submission is due. (3) The outage may be planned or unplanned. (4) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting. (5) You must provide to the Administrator a written description identifying: (i) The date(s) and time(s) when CDX or CEDRI was accessed and the system was unavailable; (ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage; (iii) A description of measures taken or to be taken to minimize the delay in reporting; and (iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported. (6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator. (7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.
60.4375(i)	If you are required to electronically submit a report through CEDRI in the EPA's CDX, you may assert a claim of force majeure for failure to timely comply with that reporting requirement. To assert a claim of force majeure, you must meet the requirements outlined in paragraphs (i)(1) through (5) of this section. (1) You may submit a claim if a <i>force majeure</i> event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For the purposes of this section, a <i>force majeure</i> event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the

	affected facility that prevents you from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large-scale power outage). (2) You must submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting. (3) You must provide to the Administrator: (i) A written description of the force majeure event; (ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event; (iii) A description of measures taken or to be taken to minimize the delay in reporting; and (iv) The date by which you propose to report, or if you have already met the reporting requirement at the time of the notification, the date you reported. (4) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator. (5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.
60.4375(j)	Any records required to be maintained by this subpart that are submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.
60.4395	All reports required under § 60.7(c) must be electronically submitted via CEDRI by the 30th day following the end of each 6-month period.

(Authority for term: OAC rule 3745-77-07(C)(1), 40 CFR Part 60 Subpart KKKK, and PTI P0140789)

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

NO_x emissions without duct burner firing shall not exceed 3.0 ppmvd at 15% O₂ based on a 3-hour block averaging period and 25.0 lbs/hr.

NO_x emissions with duct burner firing shall not exceed 3.0 ppmvd at 15% O₂ based on a 3-hour block averaging period and 31.5 lbs/hr.

NO_x emissions from new, modified or reconstructed turbines firing natural gas with heat input capacities greater than 850 MMBtu/hr shall not exceed 15 ppm at 15% O₂ calculated on a 30-day rolling average or 54 ng/J of useful output (0.43 lb/MWh).

NO_x emissions shall not exceed 157.5 tons per rolling, 12-month period, including start-up and shutdown emissions.

Applicable Compliance Method

Initial compliance with the allowable outlet concentration and the lbs/hr emissions limitations shall be demonstrated through emissions testing performed as described in f)(2) below.

Ongoing compliance with the short-term NO_x emissions limitations shall be demonstrated through the data collected as required in the Monitoring and Recordkeeping section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the testing and recertification requirements of 40 CFR Part 60 and 40 CFR Part 75.

Ongoing compliance with the associated CO₂ or O₂ monitoring requirements contained in this permit, 40 CFR Parts 60 and 75, and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Recordkeeping section of this permit; and demonstration of compliance with the quality assurance/quality control plan, which shall meet all of the testing and recertification requirements of 40 CFR Part 60 and 40 CFR Part 75.

b. Emissions Limitation

PE/PM₁₀ emissions without duct burner firing shall not exceed 19.0 lbs/hr.

PE/PM₁₀ emissions with duct burner firing shall not exceed 23.4 lbs/hr.

PE/PM₁₀ emissions shall not exceed 102.5 tons per rolling, 12-month period.

Applicable Compliance Method

Compliance with the short-term PE/PM₁₀ emissions limitations shall be demonstrated by the testing requirements in f)(2).

Compliance with the rolling, 12-month PE/PM₁₀ emissions limitation shall be demonstrated by the recordkeeping requirement in d)(1)t.

c. Emissions Limitation

SO₂ emissions without duct burner firing shall not exceed 1.52 lbs/hr.



SO₂ emissions with duct burner firing shall not exceed 1.71 lbs/hr.

SO₂ emissions from the turbine must not exceed 0.90 lb/MWh of gross output, or, fuels burned in the turbine must not contain sulfur in concentrations which would result in potential sulfur emissions in excess of 0.060 lb SO₂ MMBtu heat input.

SO₂ emissions shall not exceed 7.5 tons per rolling, 12-month period.

Applicable Compliance Methods

Compliance with the short-term SO₂ emissions limitations shall be demonstrated by the testing requirements in f)(2).

Compliance with the rolling, 12-month SO₂ emissions limitation shall be demonstrated by the recordkeeping requirement in d)(1)t.

d. Emissions Limitations

CO emissions without duct burner firing shall not exceed 8 ppmvd at 15% O₂ based on a 24-hour block averaging period and 43.0 lbs/hr.

CO emissions with duct burner firing shall not exceed 8 ppmvd at 15% O₂ based on a 24-hour block averaging period and 45.9 lbs/hr.

CO emissions shall not exceed 201.0 tons per rolling, 12-month period during steady-state (Mode 6) operation (excludes start-up and shutdown emissions).

CO emissions shall not exceed 453.7 tons per rolling, 12-month period, including start-up and shutdown emissions.

Applicable Compliance Method

Initial compliance with the allowable outlet concentration and the lbs/hr emissions limitations shall be demonstrated through emissions testing performed as described in f)(2) below.

Ongoing compliance with the short-term CO emission limitations shall be demonstrated through the data collected as required in the Monitoring and Recordkeeping section of this permit; and through demonstration of compliance with the quality assurance/quality control plan, which shall meet the requirements of 40 CFR Part 60.

Ongoing compliance with these emission limitations during Mode 6 operation, as well as the annual emission limitations, including startup and shutdown emissions, shall be demonstrated based upon the CO and O₂ CEMS and the record keeping requirements specified in this permit.

Compliance with the rolling, 12-month CO emissions limitation shall be demonstrate by the recordkeeping requirement in d)(1)q. for steady-state (Mode 6) operation and d)(1)r. including start-up and shutdown emissions.

e. Emissions Limitation

VOC emissions without duct burner firing shall not exceed 3.0 lbs/hr.



VOC emissions with duct burner firing shall not exceed 7.3 lbs/hr.

VOC emissions shall not exceed 63.1 tons per rolling, 12-month period, including startup/ shutdown emissions.

Applicable Compliance Method

Compliance with the short-term VOC emissions limitations shall be demonstrated by the testing requirements in f)(2).

Compliance with the rolling, 12-month VOC emissions limitation shall be demonstrated by the recordkeeping requirement in d)(1)s.

f. Emissions Limitation

H₂SO₄ emissions without duct burner firing shall not exceed 0.23 lb/hr.

H₂SO₄ emissions with duct burner firing shall not exceed 0.26 lb/hr.

H₂SO₄ emissions shall not exceed 1.1 tons per rolling, 12-month period.

Applicable Compliance Method

Compliance with the lbs/hr emission limitation may be demonstrated by multiplying the emission factor of 0.00009 lb/MMBtu (extrapolated from the SO₂ emissions factor) by the maximum heat input.

If required, H₂SO₄ emissions shall be determined according to test Methods 1 - 4, and 8 as set forth in the "Appendix on Test Methods" in 40 CFR, Part 60 "Standards of Performance for New Stationary Sources". Alternative U.S. EPA-approved test methods may be used with prior approval from Ohio EPA, Southeast District Office.

Compliance with the rolling, 12-month H₂SO₄ emissions limitation shall be demonstrated by the recordkeeping requirement in d)(1)t.

g. Emissions Limitation

Visible PE from any stack shall not exceed 10% opacity as a six-minute average.

Applicable Compliance Method

Compliance with the visible PE limitation shall be demonstrated by the testing requirements in f)(2).

h. Emissions Limitation

NH₃ emissions shall not exceed 11.54 tons per month averaged over a twelve-month rolling period.

Applicable Compliance Method

Compliance with the tons per month NH₃ emissions limitation shall be demonstrated by the recordkeeping requirement in d)(1)o.



i. Emissions Limitations

The permittee shall burn only pipeline quality natural gas with a maximum sulfur content not exceed 0.5 grains per 100 standard cubic feet in this emissions unit.

Applicable Compliance Method

Compliance with the fuel sulfur content limitations shall be demonstrated by the testing requirements in f)(2) and the recordkeeping requirements in d)(13).

(Authority for terms: OAC rule 3745-77-07(C)(1), 40 CFR Parts 60 and 75, 40 CFR Part 60 Subpart KKKK, and PTI P0140789)

(2) The permittee shall conduct, or have conducted, emissions testing for this emissions unit per the following requirements:

a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the modified facility will be operated, but not later than 180 days after initial startup of the modified unit. Initial testing was conducted during December 2014.

b. Subsequent SO₂ performance tests shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test) using one of the three methodologies in 60.4415(a).

c. The emission testing shall be conducted to demonstrate initial compliance with the NO_x and CO outlet concentrations, the lb/hr emissions limitations for NO_x, CO, VOC, PE, visible emissions, and the fuel sulfur content.

d. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emissions rate(s)

NO_x – Method 7E or 20 of 40 CFR Part 60, Appendix A

PE – Methods 1-5 of 40 CFR Part 60, Appendix A

CO – Methods 1-4 and 10 of 40 CFR Part 60, Appendix A

VOC – Methods 1-4 and 25A of 40 CFR Part 60, Appendix A

Visible emissions – Method 9 of 40 CFR Part 60, Appendix A

Fuel sulfur content – ASTM D1072-90 or other approved method outlined in 40 CFR 60.4415(a)

e. The testing shall be conducted while the emission unit is operating at or near its maximum capacity with and without duct burner firing, unless otherwise specified or approved by Ohio EPA, Southeast District Office.

f. During the emissions testing, the EU shall be operated under operational conditions approved in advance by the appropriate Ohio DO/LAA. Operational conditions that may need to be approved include, but are not limited to, the production rate, the type of material processed, material make-up (solvent content, etc.) or control equipment operational limitations (burner temperature, precipitator voltage, etc.). In general,



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

- g. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an ITT notification to the appropriate Ohio EPA DO/LAA. The ITT notification shall describe in detail the proposed test methods and procedures, the EU operating parameters, the time(s) and date(s) of the test(s) and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA DO/LAA's refusal to accept the results of the emission test(s).
- h. Personnel from the appropriate Ohio EPA DO/LAA shall be permitted to witness the test(s), examine the testing equipment and acquire data and information necessary to ensure that the operation of the EU and the testing procedures provide a valid characterization of the emissions from the EU and/or the performance of the control equipment.
- i. A comprehensive written report on the results of the emissions test(s) shall be signed by the person(s) responsible for the tests and submitted to the appropriate Ohio EPA DO/LAA within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA DO/LAA.
- j. Pursuant to 60.4400(a), you must conduct an initial performance test, as required in § 60.8. Subsequent NO_x performance tests shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test).
- k. Pursuant to 60.440(a)(1)(i), measure NO_x concentration (in parts per million (ppm)), using EPA Method 7E in appendix A-4 to this part, EPA Method 20 in appendix A-7 to this part, EPA Method 320 in appendix A of part 63 of this chapter, or ASTM D6348-12 (Reapproved 2020) (incorporated by reference, see § 60.17).
- l. Pursuant to 60.4400(a)(2), sampling traverse points for NO_x and (if applicable) diluent gas are to be selected following EPA Method 20 or EPA Method 1 (non-particulate procedures), and sampled for equal time intervals. The sampling must be performed with a traversing single-hole probe, or, if feasible, with a stationary multi-hole probe that samples each of the points sequentially. Alternatively, a multi-hole probe designed and documented to sample equal volumes from each hole may be used to sample simultaneously at the required points.



- m. Pursuant to 60.4400(a)(3), notwithstanding paragraph (a)(2) of this section, you may test at fewer points than are specified in EPA Method 1 or EPA Method 20 in appendix A of this part if the following conditions are met:
 - i. You may perform a stratification test for NO_x and diluent pursuant to the procedures specified in section 6.5.6.1(a) through (e) of appendix A of part 75 of this chapter.
 - ii. Once the stratification sampling is completed, you may use the following alternative sample point selection criteria for the performance test:
 - (a) If each of the individual traverse point NO_x concentrations is within ± 10 percent of the mean concentration for all traverse points, or the individual traverse point diluent concentrations differs by no more than ± 5 ppm or ± 0.5 percent CO₂ (or O₂) from the mean for all traverse points, then you may use three points (located either 16.7, 50.0 and 83.3 percent of the way across the stack or duct, or, for circular stacks or ducts greater than 2.4 meters (7.8 feet) in diameter, at 0.4, 1.2, and 2.0 meters from the wall). The three points must be located along the measurement line that exhibited the highest average NO_x concentration during the stratification test; or
 - (b) For turbines with a NO_x standard less than or equal to 15 ppm @ 15% O₂, you may sample at a single point, located at least 1 meter from the stack wall or at the stack centroid if each of the individual traverse point NO_x concentrations is within ± 2.5 percent of the mean concentration for all traverse points, or the individual traverse point diluent concentrations differs by no more than ± 1 ppm or ± 0.15 percent CO₂ (or O₂) from the mean for all traverse points.
- n. Pursuant to 60.4400(b), the performance test must be done at any load condition within plus or minus 25 percent of 100 percent of peak load. You may perform testing at the highest achievable load point, if at least 75 percent of peak load cannot be achieved in practice. You must conduct three separate test runs for each performance test. The minimum time per run is 20 minutes.
- o. Pursuant to 60.4400(b)(2), for a combined cycle and CHP turbine systems with supplemental heat (duct burner), you must measure the total NO_x emissions after the duct burner rather than directly after the turbine. The duct burner must be in operation within 25 percent of 100 percent of the peak load rating of the duct burners or the highest achievable load if at least 75 percent of the peak load of the duct burners cannot be achieved during the performance test.
- p. Pursuant to 60.4400(b)(4), compliance with the applicable emission limit in § 60.4320 must be demonstrated at each tested load level. Compliance is achieved if the three-run arithmetic average NO_x emission rate at each tested level meets the applicable emission limit in § 60.4320.



- q. Pursuant to 60.4400(b)(5), if you elect to install a CEMS, the performance evaluation of the CEMS may either be conducted separately or (as described in § 60.4405) as part of the initial performance test of the affected unit.
- r. Pursuant to 60.4400(b)(6), the ambient temperature must be greater than 0 °F during the performance test.
- s. Pursuant to 60.4405, If you elect to install and certify a NO_x-diluent CEMS under § 60.4345, then the initial performance test required under § 60.8 may be performed in the following alternative manner:
 - i. Perform a minimum of nine RATA reference method runs, with a minimum time per run of 21 minutes, at a single load level, within plus or minus 25 percent of 100 percent of peak load, while the source is combusting the fuel that is a normal primary fuel for that source. The ambient temperature must be greater than 0 °F during the RATA runs.
 - ii. For each RATA run, concurrently measure the heat input to the unit using a fuel flow meter (or flow meters) and measure the electrical and thermal output from the unit.
 - iii. Use the test data both to demonstrate compliance with the applicable NO_x emission limit under § 60.4320 and to provide the required reference method data for the RATA of the CEMS described under § 60.4335.
 - iv. Compliance with the applicable emission limit in § 60.4320 is achieved if the arithmetic average of all of the NO_x emission rates for the RATA runs, expressed in units of ppm or lb/MWh, does not exceed the emission limit.
- t. Pursuant to 60.4415(a), you must conduct an initial performance test, as required in § 60.8. An owner or operator of an affected facility complying with the fuel-based standard may use fuel records (such as a current, valid purchase contract, tariff sheet, transportation contract, or results of a fuel analysis) to satisfy the requirements of § 60.8. Subsequent SO₂ performance tests shall be conducted on an annual basis (no more than 14 calendar months following the previous performance test). There are four methodologies that you may use to conduct the performance tests.
- u. Pursuant to 60.4415(a)(1), the use of a current, valid purchase contract, tariff sheet, or transportation contract for the fuel specifying the maximum total sulfur content of all fuels combusted in the affected facility. Alternately, the fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to part 75 of this chapter may be used.
- v. Pursuant to 60.4415(a)(2), Periodically determine the sulfur content of the fuel combusted in the turbine, a representative fuel sample may be collected either by an automatic sampling system or manually. For automatic sampling, follow ASTM D5287-97 (Reapproved 2002) (incorporated by reference, see § 60.17) for gaseous fuels or ASTM D4177-95 (Reapproved 2000) (incorporated by reference, see § 60.17) for liquid fuels. For manual sampling of gaseous fuels, follow API Manual of Petroleum Measurement Standards, Chapter 14, Section 1; GPA 2166-17; or ISO 10715:1997(E) (all incorporated



by reference, see § 60.17). For manual sampling of liquid fuels, follow GPA 2174-14 or the procedures for manual pipeline sampling in section 14 of ASTM D4057-95 (Reapproved 2000) (both incorporated by reference, see § 60.17). The fuel analyses of this section may be performed either by you, a service contractor retained by you, the fuel vendor, or any other qualified agency. Analyze the samples for the total sulfur content of the fuel using:

- i. For liquid fuels, ASTM D129-00 (Reapproved 2005), or alternatively D1266-98 (Reapproved 2003), D1552-03, D2622-05, D4294-03, D5453-05, D5623-19, or D7039-15a (all incorporated by reference, see § 60.17); or
- ii. For gaseous fuels, ASTM D1072-90 (Reapproved 1999), or alternatively D3246-05, D4084-05, D4468-85 (Reapproved 2000), D4810-88 (Reapproved 1999), D6228-98 (Reapproved 2003), D6667-04, or GPA 2140-17, 2261-19, or 2377-86 (all incorporated by reference, see § 60.17).

(Authority for terms: OAC rule 3745-77-07(C)(1), 40 CFR Parts 60 and 75, 40 CFR Part 60 Subpart KKKK, and PTI P0140789)

g) Miscellaneous Requirements

- (1) None.