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Facility Name: **Libbey-Owens-Ford Company**

Application Number: **04-1136**

Date: **Draft PTI (Date will be entered upon final issuance)**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as

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an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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BEST AVAILABLE TECHNOLOGY

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Libbey-Owens-Ford Company** located in **Wood** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

Ohio
EPA
Source
Number

P011

P012

P013

P014 cont'd

P014

P015

P013 cont'd

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P020 cont'd

P018

P017

P016

P016
cont'd

P020

P017
cont'd

P019

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		Fin Fan cooler (Z056)		
Source Identification Description	6-F1 CAT model 3406 diesel-fired generator (Z052)			
Backup air compressor (Z048)				
		6-F3 CAT model 3412 diesel fired generator for Hotwell pumps (Z057)		
	6-F3 CAT model 3406 diesel fired generator for			

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6-F1-A CAT Model 3306 diesel fired cooling pump (Z049)	CAT Model 3306 diesel fired cooling pump (Z050)			6-F3-C CAT Model 3306 diesel fired turbocharged cooling pump (Z055)
			6-F3-B CAT Model 3306 diesel fired turbocharged cooling pump (Z054)	
		6-F3-A CAT Model 3306 diesel fired turbocharged cooling pump (Z053)		
	6-F1-A CAT Model 3306 diesel fired cooling pump (Z051)			
6-F1-B				

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
	<u>BAT Determination</u>	BAT emission factors with fuel limitations and control using the following: turbocharger with aftercooler, injection timing retard and positive crankcase ventilation (PCV)	limitations and control using the following: turbocharger with aftercooler, injection timing retard and positive crankcase ventilation (PCV)	turbocharger with aftercooler, injection timing retard and positive crankcase ventilation (PCV)
		BAT emission factors with fuel	BAT emission factors with fuel limitations and control using the following:	BAT emission factors with fuel limitations and control using the following: turbocharger with aftercooler, injection timing retard and

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Ohio EPA Source <u>Number</u>	Source Identification <u>Number</u>	BAT <u>Determination</u>	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage <u>Requirements</u>
positive crankcase ventilation (PCV)	ng: turbocharger with aftercooler, injection timing retard and positive crankcase ventilation (PCV)	aftercooler, injection timing retard and positive crankcase ventilation (PCV)	BAT emission factors with fuel limitations and control using the following: turbocharger with aftercooler, injection timing retard and positive crankcase ventilation (PCV)	BAT emission factors with fuel limitations and control using the following: turbocharger with aftercooler, injection timing retard and positive crankcase ventilation (PCV)
BAT emission factors with fuel limitations and control using the following	BAT emission factors with fuel limitations and control using the following: turbocharger with	BAT emission factors with fuel limitations and control using the following: turbocharger with aftercooler, injection timing retard and positive crankcase ventilation (PCV)	BAT emission factors with fuel limitations and control using the following: turbocharger with aftercooler, injection timing retard and positive crankcase ventilation (PCV)	BAT emission factors with fuel limitations and control using the following: turbocharger with aftercooler, injection timing retard and positive crankcase ventilation (PCV)

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
			3745-17-07 (A) (1)	3745-21-07 (B)
				3745-21-08 (B)
				3745-23-06 (B)
				3745-31-05
	Applicable Federal & OAC Rules		3745-17-11 (B) (5)	
3745-31-05			3745-18-06 (G)	
		3745-17-07 (A) (1)	3745-21-07 (B)	
			3745-21-08 (B)	
			3745-23-06 (B)	
		3745-17-11 (B) (5)	3745-31-05	3745-17-07 (A) (1)
3745-17-07 (A) (1)		3745-18-06 (G)		
		3745-21-07 (B)		
		3745-21-08 (B)		3745-17-11 (B) (5)
3745-17-11 (B) (5)		3745-23-06 (B)		3745-18-06 (G)
		3745-31-05		
3745-18-06 (G)			3745-17-07 (A) (1)	3745-21-07 (B)
3745-21-07 (B)				3745-21-08 (B)
3745-21-08 (B)				3745-23-06 (B)
3745-23-06 (B)				3745-31-05
			3745-17-11 (B) (5)	
			3745-18-06 (G)	
3745-31-05				

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		(A) (1)	(B) (5)	3745-23-06 (B)
			3745-18-06 (G)	
			3745-21-07 (B)	
	3745-17-07			
	(A) (1)	3745-17-11	3745-21-08 (B)	
3745-17-07		(B) (5)	3745-23-06 (B)	
(A) (1)		3745-18-06 (G)	3745-31-05	
		3745-21-07 (B)		
		3745-21-08 (B)		
3745-17-11	3745-17-11	3745-23-06 (B)		
(B) (5)	(B) (5)			
	3745-18-06 (G)			
3745-18-06 (G)	3745-21-07 (B)	3745-31-05		
3745-21-07 (B)	3745-21-08 (B)			
			3745-17-07	
	3745-23-06 (B)		(A) (1)	
3745-21-08 (B)	3745-31-05			
3745-23-06 (B)				
			3745-17-11	
3745-31-05		3745-17-07	(B) (5)	
		(A) (1)		
			3745-18-06 (G)	
			3745-21-07 (B)	
			3745-21-08 (B)	
	3745-17-07	3745-17-11		

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
	unless other wise specified by the rule	wise specified by the rule	****	VOC: 0.6 lb/hr**
Permit Allowable Mass Emissions and/or Control/Usage Requirements	specified by the rule	****	****	
	****	****	NO _x :10.0 lbs/hr* CO: 3.1 lbs/hr* PM: 1.0 lb/hr* SO ₂ : 0.9 lb /hr* VOC: 1.1 lbs/hr*	20% opacity as a 6 minute average, unless other wise specified by the rule
	****	****		
NO _x :19.3 lbs/hr* CO: 5.9 lbs/hr* PM: 1.9 lbs/hr* SO ₂ : 1.8 lbs/hr* VOC: 2.2 lbs/hr*	****	NO _x :19.3 lbs/hr* CO: 5.9 lbs/hr* PM: 1.9 lbs/hr* SO ₂ : 1.8 lbs/hr* VOC: 2.2 lbs/hr*		****
	NO _x : 9.1 lbs/hr* CO: 2.8 lbs/hr* PM: 0.9 lb/hr * SO ₂ : 0.9 lb /hr *		20% opacity as a 6 minute average, unless other wise specified by the rule	****
	SO ₂ : 0.9 lb /hr *		****	****
	VOC: 1.0 lb/hr*	20% opacity as a 6 minute average, unless other wise specified by the rule	****	NO _x :5.1 lbs/hr** CO: 1.6 lbs/hr** PM: 0.5 lb /hr** SO ₂ : 0.5 lb/hr** VOC: 0.6 lb/hr**
20% opacity as a 6 minute average ,	****	****	****	
	20% opacity as a 6 minute average, unless other	****	NO _x :5.1 lbs/hr** CO: 1.6 lbs/hr** PM: 0.5 lb/hr** SO ₂ : 0.5 lb/hr**	

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20% opacity as a 6 minute average , unless other wise specifi ed by the rule	20% opacity as a 6 minute average, unless other wise specified by the rule	20% opacity as a 6 minute average, unless other wise specified by the rule	**** **** **** ****	
****		****	NO _x :6.2 lbs/hr***	
		****	CO: 1.9lbs/hr***	
		****	PM: 0.6 lb/hr***	
		****	SO ₂ : 0.6 lb/hr***	
		****	VOC:0.7 lb/hr***	
****	****	****		
****	****	****		
****	****	NO _x :6.2 lbs/hr***		
****	****	CO: 1.9lbs/hr***		
****	****	PM: 0.6 lb/hr***		
****	****	SO ₂ : 0.6 lb/hr***		
****	****	VOC:0.7 lb/hr***		
NO _x :5.1 lbs/hr*	NO _x :6.2 lbs/hr***			20% opacity as a 6 minute average, unless other wise specified by the rule
* CO: 1.6 lbs/hr*	CO:1.9 lbs/hr***			****
* PM: 0.5 lb/hr**	PM: 0.6 lb/hr***			
SO ₂ : 0.5 lb/hr**	SO ₂ :0.6 lb/hr***	20% opacity as a 6 minute average, unless other wise specified by the rule	**** ****	
VOC: 0.6 lb/hr**	VOC:0.7 lb/hr***		****	
		****	****	

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* Emissions unit P011, P012, P013 and P014 have a combined fuel limitation of 8,500 gallons per year. The combined emissions from these four emissions units shall not exceed:
 NO_x = 1.9 TPY, CO = 0.6 TPY, PM = 0.2 TPY, SO₂ = 0.2 tpy and VOC = 0.2 TPY

** Emissions unit P015, P016 and P017 have a combined fuel limitation of 44,100 gallons per year. The combined emissions from these three emissions units shall not exceed:
 NO_x = 9.6 TPY, CO = 3.0 TPY, PM = 1.0 TPY, SO₂ = 0.9 TPY and VOC = 1.1 TPY

*** Emissions units P018, P019 and P020 have a combined fuel limitation of 54,000 gallons per year. The combined emissions from these three emissions units shall not exceed:
 NO_x = 11.8 TPY, CO = 3.6 TPY, PM = 1.2 TPY, SO₂ = 1.1 TPY and VOC = 1.3 TPY

**** This limit is less stringent than, or equivalent, to the limit established by OAC 3745-31-05.

SUMMARY
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
NO _x	23.3
CO	7.1
PM	2.3
SO ₂	2.2
VOC	2.6

REPORTING REQUIREMENTS

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Unless otherwise specified, reports required by the Permit to Install need only be submitted to **City of Toledo, Division of Environmental Services, 348 South Erie Street, Toledo, Ohio 43602.**

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **City of Toledo, Division of Environmental Services, 348 South Erie Street, Toledo, Ohio 43602.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

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ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Operational Restrictions

1. The permittee shall burn only commercially available diesel fuel in these emission units.
2. The maximum annual combined fuel usage for emission units P011, P012, P013 and P014 shall not exceed 8,500 gallons, based upon a rolling, 12 month summation of the diesel usage figures.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the fuel usage levels specified in the following table:

<u>Month</u>	<u>Maximum Cumulative Monthly Diesel Usage (gallons)</u>
1	850
2	1700
3	2,550
4	3,400
5	4,250
6	5,100
7	5,950
8	6,800
9	7,650
10	8,500
11	8,500
12	8,500

After the first 12 calendar months of operation, compliance with the annual fuel usage shall be based upon a rolling, 12-month summation of the monthly fuel usage.

3. The maximum annual combined fuel usage for emission units P015, P016 and P017 shall not exceed 44,100 gallons, based upon a rolling, 12 month summation of the diesel usage figures.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this

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permit, the permittee shall not exceed the fuel usage levels specified in the following table:

<u>Month</u>	<u>Maximum Cumulative Monthly Diesel Usage (gallons)</u>
1	4,410
2	8,820
3	13,230
4	17,640
5	22,050
6	26,460
7	30,870
8	35,280
9	39,690
10	44,100
11	44,100
12	44,100

After the first 12 calendar months of operation, compliance with the annual fuel usage shall be based upon a rolling, 12-month summation of the monthly fuel usage.

4. The maximum annual combined fuel usage for emission units P018, P019 and P020 shall not exceed 54,000 gallons, based upon a rolling, 12 month summation of the diesel usage figures.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the fuel usage levels specified in the following table:

<u>Month</u>	<u>Maximum Cumulative Monthly Diesel Usage (gallons)</u>
1	5,400
2	10,800
3	16,200
4	21,600
5	27,000

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6	32,400
7	37,800
8	43,200
9	48,600
10	54,000
11	54,000
12	54,000

After the first 12 calendar months of operation, compliance with the annual fuel usage shall be based upon a rolling, 12-month summation of the monthly fuel usage.

B. Monitoring and Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than commercially available diesel fuel, the permittee shall maintain a record of the type and quantity of fuel burned in these emission units.

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

- a. the fuel usage for each month for each emissions unit; and,
- b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the fuel usage figures for each group of emission units.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative fuel usage of each group for each calendar month.

The Director of the Ohio EPA, or an authorized 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

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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.

3. Once each year, the permittee shall check to ensure that the injection timing is retarded 4 degrees from peak power settings and adjustments made if necessary.
4. 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 the permit. Such records may be maintained in computerized form.

C. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify each day when a fuel other than commercially available diesel fuel was burned in these emissions units.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month fuel limitations for each group of emissions units as specified under Operational Restrictions, sections A.2, A.3 and A.4. Also for the first 12 calendar months of operation following the

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issuance of this permit, all exceedences of the maximum allowable cumulative fuel usage limitation.

3. The permittee shall also submit an annual report that shall include the calendar year total emissions for nitrogen oxides, carbon monoxide, particulate matter, sulfur dioxide and volatile organic compounds (VOC). This report shall be submitted to the Toledo Division of Environmental Services by April 15 of the following year.
4. The permittee shall submit an annual report indicating the results of the injection timing monitoring required in section B.4. This report shall be submitted by January 30th of each year and shall cover the previous calendar year.
5. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - a. reports of any required monitoring and/or recordkeeping information shall be submitted to the Toledo Division of Environmental Services;
 - b. quarterly written reports of (i) any deviations from enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the Toledo Division of Environmental Services.

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter.

The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of

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each year and shall cover the previous calendar quarters.

D. Testing Requirements

1. Compliance with the emission limitation(s) of this permit to install shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity as a six-minute average.

Applicable Compliance Method: Compliance with the monitoring and recordkeeping requirements of section B.1 shall be considered adequate demonstration of compliance. If required compliance shall also be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9. Alternative, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

- b. Emissions Limitations for Nitrogen Oxides:
Emissions Units:

P011: 19.3 lb/hr
P012: 9.1 lb/hr
P013: 19.3 lb/hr
P014: 10.0 lb/hr
P015: 5.1 lb/hr
P016: 5.1 lb/hr
P017: 5.1 lb/hr
P018: 6.2 lb/hr
P019: 6.2 lb/hr
P020: 6.2 lb/hr

Applicable Compliance Method: Compliance shall be determined by multiplying the following: the maximum gallon usage (gallons per hour); the emission factor of 3.1

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pounds NO_x per million BTUs and the heating value of 0.141 million BTUs per gallon. This emission factor was determined through a RACT/BACT/LAER study of similar sources.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 7 of 40 CFR Part 60, Appendix A and the monitoring and recordkeeping requirements.

- c. Emissions Limitations for Nitrogen Oxides:
 Emissions units P011, P012, P013, P014: 1.9 TPY
 Emissions units P015, P016, P017: 9.6 TPY
 Emissions units P018, P019, P020: 11.8 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the following: the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.2, A.3 or A.4 for each group of emissions units; the emission factor of 3.1 pounds NO_x per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 (ton/lb) to determine the tons per year of nitrogen oxides.

- d. Emissions Limitations for Carbon Monoxide:
 Emissions Units:
 P011: 5.9 lb/hr
 P012: 2.8 lb/hr
 P013: 5.9 lb/hr
 P014: 3.1 lb/hr
 P015: 1.6 lb/hr
 P016: 1.6 lb/hr
 P017: 1.6 lb/hr

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P018: 1.9 lb/hr
P019: 1.9 lb/hr
P020: 1.9 lb/hr

Applicable Compliance Method: Compliance shall be determined by multiplying the following: the maximum gallon usage (gallons per hour); the emission factor of 0.95 pound CO per million BTUs and the heating value of 0.141 million BTUs per gallon. This emission factor is specified in USEPA reference document AP-42, Stationary Internal Combustion Sources, dated 10/96 Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 10 of 40 CFR Part 60, Appendix A and the monitoring and recordkeeping requirements.

- e. Emissions Limitations for Carbon Monoxide:
Emissions units P011, P012, P013, P014: 0.6 TPY
Emissions units P015, P016, P017: 3.0 TPY
Emissions units P018, P019, P020: 3.6 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the following: the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.2, A.3 or A.4 for each group of emissions units; the emission factor of 0.95 pounds CO per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 (ton/lb) to determine the tons per year of carbon monoxide.

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f. Emissions Limitations for Particulate Matter:

Emissions Units:

P011: 1.9 lb/hr
P012: 0.9 lb/hr
P013: 1.9 lb/hr
P014: 1.0 lb/hr
P015: 0.5 lb/hr
P016: 0.5 lb/hr
P017: 0.5 lb/hr

P018: 0.6 lb/hr
P019: 0.6 lb/hr
P020: 0.6 lb/hr

Applicable Compliance Method: Compliance shall be determined by multiplying the following: the maximum gallon usage (gallons per hour); the emission factor of 0.31 pound PM per million BTUs and the heating value of 0.141 million BTUs per gallon. This emission factor is specified in USEPA reference document AP-42, Stationary Internal Combustion Sources, dated 10/96 Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 5 of 40 CFR Part 60, Appendix A and the monitoring and recordkeeping requirements.

g. Emissions Limitations for Particulate Matter:

Emissions units P011, P012, P013, P014: 0.2 TPY
Emissions units P015, P016, P017: 1.0 TPY
Emissions units P018, P019, P020: 1.2 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the following: the rolling, 12-month fuel usage (gallons/yr) from the monitoring

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and recordkeeping requirements of section A.2, A.3 or A.4 for each group of emissions units; the emission factor of 0.95 pounds PM per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 (ton/lb) to determine the tons per year of particulate matter.

h. Emissions Limitations for Sulfur Dioxide:

Emissions Units:

P011: 1.8 lb/hr
P012: 0.9 lb/hr
P013: 1.8 lb/hr

P014: 0.9 lb/hr
P015: 0.5 lb/hr
P016: 0.5 lb/hr
P017: 0.5 lb/hr
P018: 0.6 lb/hr
P019: 0.6 lb/hr
P020: 0.6 lb/hr

Applicable Compliance Method: Compliance shall be determined by multiplying the following: the maximum gallon usage (gallons per hour); the emission factor of 0.29 pound SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. This emission factor is specified in USEPA reference document AP-42, Stationary Internal Combustion Sources, dated 10/96 Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 6 of 40 CFR Part 60, Appendix A and the monitoring and recordkeeping requirements.

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- i. Emissions Limitations for Sulfur Dioxide:
Emissions units P011, P012, P013, P014: 0.2 TPY
Emissions units P015, P016, P017: 0.9 TPY
Emissions units P018, P019, P020: 1.1 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the following: the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.2, A.3 or A.4 for each group of emissions units; the emission factor of 0.95 pounds SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 (ton/lb) to determine the tons per year of sulfur dioxide.

- j. Emissions Limitations for Volatile Organic Compounds (VOC):

Emissions Units:

P011:	2.2 lb/hr
P012:	1.0 lb/hr
P013:	2.2 lb/hr
P014:	1.1 lb/hr
P015:	0.6 lb/hr
P016:	0.6 lb/hr
P017:	0.6 lb/hr
P018:	0.7 lb/hr
P019:	0.7 lb/hr
P020:	0.7 lb/hr

Applicable Compliance Method: Compliance shall be determined by multiplying the following: the maximum gallon usage (gallons per hour); the emission factor of 0.35 pound VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. This emission factor is specified in USEPA reference document AP-42, Stationary Internal Combustion Sources, dated 10/96

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Section 3.3, Table 3.3-1.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 25 of 40 CFR Part 60, Appendix A and the monitoring and recordkeeping requirements.

k. Emissions Limitations for Volatile Organic Compounds (VOC) :

Emissions units P011, P012, P013, P014: 0.2 TPY

Emissions units P015, P016, P017: 1.1 TPY

Emissions units P018, P019, P020: 1.3 TPY

Applicable Compliance Method: Compliance shall be determined by multiplying the following: the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.2, A.3 or A.4 for each group of emissions units; the emission factor of 0.95 pounds VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 (ton/lb) to determine the tons per year of volatile organic compounds..