



State of Ohio Environmental Protection Agency

**RE: DRAFT PERMIT TO INSTALL MODIFICATION
WOOD COUNTY**

CERTIFIED MAIL

Street Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center

Application No: 04-01136

DATE: 12/18/2001

Pilkington North America, Inc. -Rossford
Charles Baumgartner
140 Dixie Highway
Rossford, OH 43460-1215

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install modification for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit modification. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit modification should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install modification may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install modification a fee of \$ 0 will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Thomas G. Rigo
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA TDES Toledo Met Area Coun of Gov In MI



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

DRAFT MODIFICATION OF PERMIT TO INSTALL 04-01136

Application Number: 04-01136
APS Premise Number: 0487010012
Permit Fee: **To be entered upon final issuance**
Name of Facility: Pilkington North America, Inc. -Rossford
Person to Contact: Charles Baumgartner
Address: 140 Dixie Highway
Rossford, OH 43460-1215

Location of proposed air contaminant source(s) [emissions unit(s)]:

140 Dixie Highway
Rossford, Ohio

Description of proposed emissions unit(s):

This PTI is for a modification to the fuel limitations for the cooling pumps and generators. All lb/hr and TPY limits will change, however, total emissions are less than original PTI.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

A. State and Federally Enforceable Permit To Install General Terms and Conditions**1. Monitoring and Related Recordkeeping and Reporting Requirements**

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See B.10 below if no deviations occurred during the quarter.

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- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

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

4. 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.

5. Severability Clause

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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.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and 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.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, 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.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

8. 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

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shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. 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.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. 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 appropriate Ohio EPA District Office or local air agency 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:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. 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.

10. Source Operation and Operating Permit Requirements After Completion of Construction

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within thirty (30) days after commencing operation of the source(s) covered by this permit.

11. 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.

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B. State Only Enforceable Permit To Install General Terms and Conditions

1. Compliance Requirements

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

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. 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 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.)

3. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

4. 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.

5. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. 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.

6. Construction of New Sources(s)

The proposed emissions unit(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 cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(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 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 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 the requirements of this permit or cannot meet applicable standards.

7. 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.

8. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

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9. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit To Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

10. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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 each year and shall cover the previous calendar quarters.

C. Permit To Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
NO _x	20.5
CO	6.3
PM	2.1
SO ₂	1.9
VOC	2.3

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Pilkin;

PTI A

Emissions Unit ID: P011

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Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

**Pilkin;
PTI A**

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P011 - Backup air compressor (Z048)	OAC rule 3745-31-05	NOx: 9.1 lb/hr 8.7 TPY CO: 2.8 lb/hr 2.7 TPY PM: 0.9 lb/hr 0.9 TPY SO ₂ : 0.9 lb/hr 0.8 TPY VOC: 1.0 lb/hr 1.0 TPY
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6 minute average, unless otherwise specified by the rule
	OAC rule 3745-17-11(B)(5)	see section A.I.2.a.
	OAC rule 3745-18-06(G)	see section A.I.2.a.
	OAC rule 3745-21-07(B) OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)	see section A.I.2.b.

2. Additional Terms and Conditions

- 2.a This rule is less stringent than the BAT determination that resulted in the emission limitation.

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- 2.b** These rules require emissions to be minimized by use of the latest practices in accordance with best current technology. The limitations above have been determined using best available technology.

Pilkin

PTI A

Emissions Unit ID: P011

Issued: To be entered upon final issuance**II. Operational Restrictions**

1. The permittee shall burn only commercially available diesel fuel in this emissions unit.
2. For the first twelve calendar months of operation, the fuel usage of emissions unit P011 shall not exceed the following cumulative usage limitation:

<u>Month</u>	<u>Maximum Cumulative Monthly Diesel Usage (gallons)</u>
1	3,334
2	6,668
3	10,002
4	13,336
5	16,670
6	20,004
7	23,338
8	26,672
9	30,006
10	33,340
11	36,674
12	40,000

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.

III. Monitoring and/or 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 this 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 this emissions unit.

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to

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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.

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.

IV. 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 this emissions unit.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month fuel limitation as specified under Operational Restrictions, section A.II. Also for the first 12 calendar months of operation following the 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 A.III. 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; and
- 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 each year and shall cover the previous calendar quarters.

V. 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 A.III. 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 Limitation:
9.1 lb/hr nitrogen oxides (NO_x)

Applicable Compliance Method:

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

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- c. Emissions Limitation:
8.7 TPY NO_x

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.III; 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 lb/ton to determine the tons per year of nitrogen oxides.

- d. Emissions Limitation:
2.8 lb/hr carbon monoxide (CO)

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 Limitation:
2.7 TPY CO

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.III.; 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 lb/ton to determine the tons per year of carbon monoxide.

- f. Emissions Limitation:
0.9 lb/hr particulate emissions (PM)

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,

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Appendix A and the monitoring and recordkeeping requirements.

- g. Emissions Limitation:
0.9 TPY PM

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III.; the emission factor of 0.31 pounds PM per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of particulate matter.

- h. Emissions Limitation:
0.9 lb/hr sulfur dioxide (SO₂)

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.

- i. Emissions Limitation:
0.8 TPY SO₂

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III.; the emission factor of 0.29 pounds SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of sulfur dioxide.

- j. Emissions Limitation:
1.0 lb/hr volatile organic compounds (VOC)

Applicable Compliance Method:

Compliance shall be determined by multiplying the following: the maximum gallon usage

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(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 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.

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- k. Emissions Limitation:
1.0 TPY VOC

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III.; the emission factor of 0.35 pounds VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of volatile organic compounds.

VI. Miscellaneous Requirements

None

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B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P011 - Backup air compressor (Z048)		

2. Additional Terms and Conditions

- 2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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Emissions Unit ID: P012

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P012 - 6-F1 CAT model 3406 diesel-fired generator (Z052)	OAC rule 3745-31-05	NOx: 10.0 lb/hr CO: 3.1 lb/hr PM: 1.0 lb/hr SO ₂ : 0.9 lb/hr VOC: 1.1 lb/hr see section A.I.2.a.
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6 minute average, unless otherwise specified by the rule
	OAC rule 3745-17-11(B)(5)	see section A.I.2.b.
	OAC rule 3745-18-06(G)	see section A.I.2.b.
	OAC rule 3745-21-07(B) OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)	see section A.I.2.c.

2. Additional Terms and Conditions

- 2.a** Sources P012, P013 and P014 have a fuel limitation of 18,000 gallons per year as a group. The Permit Allowable Emissions for these three sources are the following:
NO_x = 3.9 TPY, CO = 1.2 TPY, PM = 0.4 TPY, SO₂ = 0.4 TPY and VOC = 0.4 TPY
- 2.b** This rule is less stringent than the BAT determination that resulted in the emission limitation.

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- 2.c These rules require emissions to be minimized by use of the latest practices in accordance with best current technology. The limitations above have been determined using best available technology.

II. Operational Restrictions

1. The permittee shall burn only commercially available diesel fuel in this emissions unit.
2. The maximum annual combined fuel usage for Group 1 emissions units P012, P013 and P014 shall not exceed 18,000 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	1,500
2	3,000
3	4,500
4	6,000
5	7,500
6	9,000
7	10,500
8	12,000
9	13,500
10	15,000
11	16,500
12	18,000

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.

III. Monitoring and/or 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 emissions units.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative fuel usage for Group 1 emissions units for each calendar month.

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.

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.

IV. 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 this emissions unit.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month fuel limitation as specified under Operational Restrictions, section A.II. Also for the first 12 calendar months of operation following the 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

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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 A.III. 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; and
 - 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 each year and shall cover the previous calendar quarters.

V. 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 A.III. 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.

Pilkington North America, Inc. -Rossford

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Facility ID: 0487010012

Emissions Unit ID: P012

- b. Emissions Limitation:
10.0 lb/hr nitrogen oxides (NO_x)

Applicable Compliance Method:

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

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- c. Emissions Limitation for Group One (sources P012, P013 and P014):
3.9 TPY NO_x

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.III for group one 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 lb/ton to determine the tons per year of nitrogen oxides.

- d. Emissions Limitation:
3.1 lb/hr carbon monoxide (CO)

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 Limitation for Group One (sources P012, P013 and P014):
1.2 TPY CO

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.III. for group one 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 lb/ton to determine the tons per year of carbon monoxide.

- f. Emissions Limitation:
1.0 lb/hr particulate emissions (PM)

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

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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 Limitation for Group One (sources P012, P013 and P014):
0.4 TPY PM

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group one emissions units; the emission factor of 0.31 pounds PM per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of particulate matter.

- h. Emissions Limitation:
0.9 lb/hr sulfur dioxide (SO₂)

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.

- i. Emissions Limitation for Group One (sources P012, P013 and P014):
0.4 TPY SO₂

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group one emissions units; the emission factor of 0.29 pounds SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of sulfur dioxide.

- j. Emissions Limitation:
1.1 lb/hr volatile organic compounds (VOC)

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 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 Limitation for Group One (sources P012, P013 and P014)::
0.4 TPY VOC

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group one emissions units; the emission factor of 0.35 pounds VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of volatile organic compounds.

VI. Miscellaneous Requirements

None

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B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P012 - 6-F1 CAT model 3406 diesel-fired generator (Z052)		

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Pilkin
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Emissions Unit ID: P013

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P013 - 6-F3 CAT model 3406 diesel fired generator for Fin Fan cooler (Z056)	OAC rule 3745-31-05	NOx: 10.0 lb/hr CO: 3.1 lb/hr PM: 1.0 lb/hr SO ₂ : 0.9 lb/hr VOC: 1.1 lb/hr see section A.I.2.a.
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6 minute average, unless otherwise specified by the rule
	OAC rule 3745-17-11(B)(5)	see section A.I.2.b.
	OAC rule 3745-18-06(G)	see section A.I.2.b.
	OAC rule 3745-21-07(B) OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)	see section A.I.2.c.

2. Additional Terms and Conditions

- 2.a** Sources P012, P013 and P014 have a fuel limitation of 18,000 gallons per year as a group. The Permit Allowable Emissions for these three sources are the following:
NO_x = 3.9 TPY, CO = 1.2 TPY, PM = 0.4 TPY, SO₂ = 0.4 TPY and VOC = 0.4 TPY
- 2.b** This rule is less stringent than the BAT determination that resulted in the emission limitation.

- 2.c These rules require emissions to be minimized by use of the latest practices in accordance with best current technology. The limitations above have been determined using best available technology.

II. Operational Restrictions

1. The permittee shall burn only commercially available diesel fuel in this emissions unit.
2. The maximum annual combined fuel usage for Group 1 emissions units P012, P013 and P014 shall not exceed 18,000 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	1,500
2	3,000
3	4,500
4	6,000
5	7,500
6	9,000
7	10,500
8	12,000
9	13,500
10	15,000
11	16,500
12	18,000

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.

III. Monitoring and/or 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

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permit, the rolling, 12-month summation of the fuel usage figures for each group of emissions units.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative fuel usage for Group 1 emissions units for each calendar month.

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.

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.

IV. 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 this emissions unit.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month fuel limitation as specified under Operational Restrictions, section A.II. Also for the first 12 calendar months of operation following the 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 A.III. 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; and
 - 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 each year and shall cover the previous calendar quarters.

V. 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 A.III. 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 Limitation:
10.0 lb/hr nitrogen oxides (NO_x)

Applicable Compliance Method:

Compliance shall be determined by multiplying the following: the maximum gallon usage

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(gallons per hour); the emission factor of 3.1 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 Limitation for Group One (sources P012, P013 and P014):3.9 TPY NO_xApplicable 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.III for group one 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 lb/ton to determine the tons per year of nitrogen oxides.

d. Emissions Limitation:

3.1 lb/hr carbon monoxide (CO)

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 Limitation for Group One (sources P012, P013 and P014):

1.2 TPY CO

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.III. for group one 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 lb/ton to determine the tons per year of carbon monoxide.

f. Emissions Limitation:

1.0 lb/hr particulate emissions (PM)

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

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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 Limitation for Group One (sources P012, P013 and P014):
0.4 TPY PM

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group one emissions units; the emission factor of 0.31 pounds PM per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of particulate matter.

- h. Emissions Limitation:
0.9 lb/hr sulfur dioxide (SO₂)

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.

- i. Emissions Limitation for Group One (sources P012, P013 and P014):
0.4 TPY SO₂

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group one emissions units; the emission factor of 0.29 pounds SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of sulfur dioxide.

- j. Emissions Limitation:
1.1 lb/hr volatile organic compounds (VOC)

Applicable Compliance Method:

Emissions Unit ID: P013

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 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 Limitatio for Group One (sources P012, P013 and P014)::
0.4 TPY VOC

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group one emissions units; the emission factor of 0.35 pounds VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of volatile organic compounds.

VI. Miscellaneous Requirements

none

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Emissions Unit ID: P013

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B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P013 - 6-F3 CAT model 3406 diesel fired generator for Fin Fan cooler (Z056)		

2. Additional Terms and Conditions

2.a none

II. Operational Restrictions

none

III. Monitoring and/or Recordkeeping Requirements

none

IV. Reporting Requirements

none

V. Testing Requirements

none

VI. Miscellaneous Requirements

none

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P014 - 6-F3 CAT model 3412 diesel fired generator for Hotwell pumps (Z057)	OAC rule 3745-31-05	NOx: 19.3 lb/hr CO: 5.9 lb/hr PM: 1.9 lb/hr SO ₂ : 1.8 lb/hr VOC: 2.2 lb/hr see section A.I.2.a.
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6 minute average, unless otherwise specified by the rule
	OAC rule 3745-17-11(B)(5)	see section A.I.2.b.
	OAC rule 3745-18-06(G)	see section A.I.2.b.
	OAC rule 3745-21-07(B)	see section A.I.2.c.
	OAC rule 3745-21-08(B)	
	OAC rule 3745-23-06(B)	

2. Additional Terms and Conditions

- 2.a Sources P012, P013 and P014 have a fuel limitation of 18,000 gallons per year as a group. The Permit Allowable Emissions for these three sources are the following:
NOx = 3.9 TPY, CO = 1.2 TPY, PM = 0.4 TPY, SO₂ = 0.4 TPY and VOC = 0.4 TPY
- 2.b This rule is less stringent than the BAT determination that resulted in the emission limitation.

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- 2.c These rules require emissions to be minimized by use of the latest practices in accordance with best current technology. The limitations above have been determined using best available technology.

II. Operational Restrictions

1. The permittee shall burn only commercially available diesel fuel in this emissions unit.
2. The maximum annual combined fuel usage for Group 1 emissions units P012, P013 and P014 shall not exceed 18,000 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	1,500
2	3,000
3	4,500
4	6,000
5	7,500
6	9,000
7	10,500
8	12,000
9	13,500
10	15,000
11	16,500
12	18,000

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.

III. Monitoring and/or 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 emissions units.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative fuel usage for Group 1 emissions units for each calendar month.

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.

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.

IV. 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 this emissions unit.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month fuel limitation as specified under Operational Restrictions, section A.II. Also for the first 12 calendar months of operation following the 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

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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 A.III. 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; and
 - 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 each year and shall cover the previous calendar quarters.

V. 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 A.III. 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.

Pilkington North America, Inc. -Rossford

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Facility ID: 0487010012

Emissions Unit ID: P014

- b. Emissions Limitation:
19.3 lb/hr nitrogen oxides (NO_x)

Applicable Compliance Method:

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

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- c. Emissions Limitation for Group One (sources P012, P013 and P014):
3.9 TPY NO_x

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.III for group one 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 lb/ton to determine the tons per year of nitrogen oxides.

- d. Emissions Limitation:
5.9 lb/hr carbon monoxide (CO)

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 Limitation for Group One (sources P012, P013 and P014):
1.2 TPY CO

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.III. for group one 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 lb/ton to determine the tons per year of carbon monoxide.

- f. Emissions Limitation:
1.9 lb/hr particulate emissions (PM)

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

Emissions Unit ID: P014

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 Limitation for Group One (sources P012, P013 and P014):
0.4 TPY PM

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group one emissions units; the emission factor of 0.31 pounds PM per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of particulate matter.

- h. Emissions Limitation:
1.8 lb/hr sulfur dioxide (SO₂)

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.

- i. Emissions Limitation for Group One (sources P012, P013 and P014):
0.4 TPY SO₂

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group one emissions units; the emission factor of 0.29 pounds SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of sulfur dioxide.

- j. Emissions Limitation:
2.2 lb/hr volatile organic compounds (VOC)

Applicable Compliance Method:

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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 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 Limitatio for Group One (sources P012, P013 and P014)::
0.4 TPY VOC

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group one emissions units; the emission factor of 0.35 pounds VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of volatile organic compounds.

VI. Miscellaneous Requirements

none

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PTI A**

Emissions Unit ID: P014

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B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P014 - 6-F3 CAT model 3412 diesel fired generator for Hotwell pumps (Z057)		

2. Additional Terms and Conditions

2.a none

II. Operational Restrictions

none

III. Monitoring and/or Recordkeeping Requirements

none

IV. Reporting Requirements

none

V. Testing Requirements

none

VI. Miscellaneous Requirements

none

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P015 - 6-F1-A CAT model 3306 diesel fired cooling pump (Z049)	OAC rule 3745-31-05	NOx: 5.1 lb/hr CO: 1.6 lb/hr PM: 0.5 lb/hr SO ₂ : 0.5 lb/hr VOC: 0.6 lb/hr see section A.I.2.a.
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6 minute average, unless otherwise specified by the rule
	OAC rule 3745-17-11(B)(5)	see section A.I.2.b.
	OAC rule 3745-18-06(G)	see section A.I.2.b.
	OAC rule 3745-21-07(B)	see section A.I.2.c.
	OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)	

2. Additional Terms and Conditions

- 2.a Sources P015, P016 and P017 have a fuel limitation of 18,000 gallons per year as a group. The Permit Allowable Emissions for these three sources are the following:
NO_x = 3.9 TPY, CO = 1.2 TPY, PM = 0.4 TPY, SO₂ = 0.4 TPY and VOC = 0.4 TPY
- 2.b This rule is less stringent than the BAT determination that resulted in the emission limitation.
- 2.c These rules require emissions to be minimized by use of the latest practices in accordance with best current technology. The limitations above have been determined using best available technology.

Issued: To be entered upon final issuance**II. Operational Restrictions**

1. The permittee shall burn only commercially available diesel fuel in this emissions unit.
2. The maximum annual combined fuel usage for Group 2 emissions units P015, P016 and P017 shall not exceed 18,000 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	1,500
2	3,000
3	4,500
4	6,000
5	7,500
6	9,000
7	10,500
8	12,000
9	13,500
10	15,000
11	16,500
12	18,000

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.

III. Monitoring and/or 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

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permit, the rolling, 12-month summation of the fuel usage figures for each group of emissions units.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative fuel usage for Group 2 emissions units for each calendar month.

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.

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.

IV. 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 this emissions unit.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month fuel limitation as specified under Operational Restrictions, section A.II. Also for the first 12 calendar months of operation following the 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 A.III. 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; and
 - 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 each year and shall cover the previous calendar quarters.

V. 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 A.III. 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 Limitation:
5.1 lb/hr nitrogen oxides (NO_x)

Applicable Compliance Method:

Compliance shall be determined by multiplying the following: the maximum gallon usage

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(gallons per hour); the emission factor of 3.1 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 Limitation for Group Two (sources P015, P016 and P017):3.9 TPY NO_xApplicable 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.III for group two 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 lb/ton to determine the tons per year of nitrogen oxides.

d. Emissions Limitation:

1.6 lb/hr carbon monoxide (CO)

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 Limitation for Group Two (sources P015, P016 and P017):

1.2 TPY CO

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.III. for group two 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 lb/ton to determine the tons per year of carbon monoxide.

f. Emissions Limitation:

0.5 lb/hr particulate emissions (PM)

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

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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 Limitation for Group Two (sources P015, P016 and P017):
0.4 TPY PM

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.31 pounds PM per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of particulate matter.

- h. Emissions Limitation:
0.5 lb/hr sulfur dioxide (SO₂)

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.

- i. Emissions Limitation for Group Two (sources P015, P016 and P017):
0.4 TPY SO₂

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.29 pounds SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of sulfur dioxide.

- j. Emissions Limitation:
0.6 lb/hr volatile organic compounds (VOC)

Applicable Compliance Method:

Emissions Unit ID: P015

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 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 Limitation for Group Two (sources P015, P016 and P017):
0.4 TPY VOC

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.35 pounds VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of volatile organic compounds.

VI. Miscellaneous Requirements

none

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Emissions Unit ID: P015

Issued: To be entered upon final issuance**B. State Only Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P015 - 6-F1-A CAT model 3306 diesel fired cooling pump (Z049)		

2. Additional Terms and Conditions

2.a none

II. Operational Restrictions

none

III. Monitoring and/or Recordkeeping Requirements

none

IV. Reporting Requirements

none

V. Testing Requirements

none

VI. Miscellaneous Requirements

none

Pilkin;
PTI A

Emissions Unit ID: P016

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P016 - 6-F1-B CAT model 3306 diesel fired cooling pump (Z050)	OAC rule 3745-31-05	NOx: 5.1 lb/hr CO: 1.6 lb/hr PM: 0.5 lb/hr SO ₂ : 0.5 lb/hr VOC: 0.6 lb/hr see section A.I.2.a.
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6 minute average, unless otherwise specified by the rule
	OAC rule 3745-17-11(B)(5)	see section A.I.2.b.
	OAC rule 3745-18-06(G)	see section A.I.2.b.
	OAC rule 3745-21-07(B) OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)	see section A.I.2.c.

2. Additional Terms and Conditions

- 2.a** Sources P015, P016 and P017 have a fuel limitation of 18,000 gallons per year as a group. The Permit Allowable Emissions for these three sources are the following:
NO_x = 3.9 TPY, CO = 1.2 TPY, PM = 0.4 TPY, SO₂ = 0.4 TPY and VOC = 0.4 TPY
- 2.b** This rule is less stringent than the BAT determination that resulted in the emission limitation.

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- 2.c These rules require emissions to be minimized by use of the latest practices in accordance with best current technology. The limitations above have been determined using best available technology.

II. Operational Restrictions

1. The permittee shall burn only commercially available diesel fuel in this emissions unit.
2. The maximum annual combined fuel usage for Group 2 emissions units P015, P016 and P017 shall not exceed 18,000 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	1,500
2	3,000
3	4,500
4	6,000
5	7,500
6	9,000
7	10,500
8	12,000
9	13,500
10	15,000
11	16,500
12	18,000

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.

III. Monitoring and/or 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 emissions units.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative fuel usage for Group 2 emissions units for each calendar month.

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.

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.

IV. 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 this emissions unit.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month fuel limitation as specified under Operational Restrictions, section A.II. Also for the first 12 calendar months of operation following the 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

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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 A.III. 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; and
 - 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 each year and shall cover the previous calendar quarters.

V. 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 A.III. 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.

Pilkington North America, Inc. -Rossford

PTI Application: 04-01136

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Facility ID: 0487010012

Emissions Unit ID: P016

- b. Emissions Limitation:
5.1 lb/hr nitrogen oxides (NOx)

Applicable Compliance Method:

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

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- c. Emissions Limitation for Group Two (sources P015, P016 and P017):
3.9 TPY NO_x

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.III for group two 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 lb/ton to determine the tons per year of nitrogen oxides.

- d. Emissions Limitation:
1.6 lb/hr carbon monoxide (CO)

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 Limitation for Group Two (sources P015, P016 and P017):
1.2 TPY CO

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.III. for group two 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 lb/ton to determine the tons per year of carbon monoxide.

- f. Emissions Limitation:
0.5 lb/hr particulate emissions (PM)

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

Emissions Unit ID: P016

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 Limitation for Group Two (sources P015, P016 and P017):
0.4 TPY PM

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.31 pounds PM per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of particulate matter.

- h. Emissions Limitation:
0.5 lb/hr sulfur dioxide (SO₂)

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.

- i. Emissions Limitation for Group Two (sources P015, P016 and P017):
0.4 TPY SO₂

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.29 pounds SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of sulfur dioxide.

- j. Emissions Limitation:
0.6 lb/hr volatile organic compounds (VOC)

Applicable Compliance Method:

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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 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 Limitation for Group Two (sources P015, P016 and P017):
0.4 TPY VOC

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.35 pounds VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of volatile organic compounds.

VI. Miscellaneous Requirements

none

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Emissions Unit ID: P016

Issued: To be entered upon final issuance**B. State Only Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P016 - 6-F1-B CAT model 3306 diesel fired cooling pump (Z050)		

2. Additional Terms and Conditions

2.a none

II. Operational Restrictions

none

III. Monitoring and/or Recordkeeping Requirements

none

IV. Reporting Requirements

none

V. Testing Requirements

none

VI. Miscellaneous Requirements

none

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P017 - 6-F1-A CAT model 3306 diesel fired cooling pump (Z051)	OAC rule 3745-31-05	NOx: 5.1 lb/hr CO: 1.6 lb/hr PM: 0.5 lb/hr SO ₂ : 0.5 lb/hr VOC: 0.6 lb/hr see section A.I.2.a.
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6 minute average, unless otherwise specified by the rule
	OAC rule 3745-17-11(B)(5)	see section A.I.2.b.
	OAC rule 3745-18-06(G)	see section A.I.2.b.
	OAC rule 3745-21-07(B)	see section A.I.2.c.
	OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)	

2. Additional Terms and Conditions

- 2.a Sources P015, P016 and P017 have a fuel limitation of 18,000 gallons per year as a group. The Permit Allowable Emissions for these three sources are the following:
NO_x = 3.9 TPY, CO = 1.2 TPY, PM = 0.4 TPY, SO₂ = 0.4 TPY and VOC = 0.4 TPY
- 2.b This rule is less stringent than the BAT determination that resulted in the emission limitation.
- 2.c These rules require emissions to be minimized by use of the latest practices in accordance with best current technology. The limitations above have been determined using best available technology.

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Emissions Unit ID: P017

Issued: To be entered upon final issuance**II. Operational Restrictions**

1. The permittee shall burn only commercially available diesel fuel in this emissions unit.
2. The maximum annual combined fuel usage for Group 2 emissions units P015, P016 and P017 shall not exceed 18,000 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	1,500
2	3,000
3	4,500
4	6,000
5	7,500
6	9,000
7	10,500
8	12,000
9	13,500
10	15,000
11	16,500
12	18,000

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.

III. Monitoring and/or 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

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permit, the rolling, 12-month summation of the fuel usage figures for each group of emissions units.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative fuel usage for Group 2 emissions units for each calendar month.

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.

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.

IV. 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 this emissions unit.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month fuel limitation as specified under Operational Restrictions, section A.II. Also for the first 12 calendar months of operation following the 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 A.III. 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; and
 - 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 each year and shall cover the previous calendar quarters.

V. 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 A.III. 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 Limitation:
5.1 lb/hr nitrogen oxides (NO_x)

Applicable Compliance Method:

Compliance shall be determined by multiplying the following: the maximum gallon usage

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Emissions Unit ID: P017

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(gallons per hour); the emission factor of 3.1 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 Limitation for Group Two (sources P015, P016 and P017):3.9 TPY NO_xApplicable 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.III for group two 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 lb/ton to determine the tons per year of nitrogen oxides.

d. Emissions Limitation:

1.6 lb/hr carbon monoxide (CO)

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 Limitation for Group Two (sources P015, P016 and P017):

1.2 TPY CO

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.III for group two 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 lb/ton to determine the tons per year of carbon monoxide.

f. Emissions Limitation:

0.5 lb/hr particulate emissions (PM)

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

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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 Limitation for Group Two (sources P015, P016 and P017):
0.4 TPY PM

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.31 pounds PM per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of particulate matter.

- h. Emissions Limitation:
0.5 lb/hr sulfur dioxide (SO₂)

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.

- i. Emissions Limitation for Group Two (sources P015, P016 and P017):
0.4 TPY SO₂

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.29 pounds SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of sulfur dioxide.

- j. Emissions Limitation:
0.6 lb/hr volatile organic compounds (VOC)

Applicable Compliance Method:

Emissions Unit ID: P017

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 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 Limitation for Group Two (sources P015, P016 and P017):
0.4 TPY VOC

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.35 pounds VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of volatile organic compounds.

VI. Miscellaneous Requirements

none

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Emissions Unit ID: P017

Issued: To be entered upon final issuance**B. State Only Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P017 - 6-F1-A CAT model 3306 diesel fired cooling pump (Z051)		

2. Additional Terms and Conditions

2.a none

II. Operational Restrictions

none

III. Monitoring and/or Recordkeeping Requirements

none

IV. Reporting Requirements

none

V. Testing Requirements

none

VI. Miscellaneous Requirements

none

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Emissions Unit ID: P018

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Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P018 - 6-F3-A CAT model 3306 diesel fired turbocharged cooling pump (Z053)	OAC rule 3745-31-05	NOx: 6.2 lb/hr CO: 1.9 lb/hr PM: 0.6 lb/hr SO ₂ : 0.6 lb/hr VOC: 0.7 lb/hr see section A.I.2.a.
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6 minute average, unless otherwise specified by the rule
	OAC rule 3745-17-11(B)(5)	see section A.I.2.b.
	OAC rule 3745-18-06(G)	see section A.I.2.b.
	OAC rule 3745-21-07(B) OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)	see section A.I.2.c.

2. Additional Terms and Conditions

- 2.a** Sources P018, P019 and P020 have a fuel limitation of 18,000 gallons per year as a group. The Permit Allowable Emissions for these three sources are the following:
NO_x = 3.9 TPY, CO = 1.2 TPY, PM = 0.4 TPY, SO₂ = 0.4 TPY and VOC = 0.4 TPY
- 2.b** This rule is less stringent than the BAT determination that resulted in the emission limitation.

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- 2.c These rules require emissions to be minimized by use of the latest practices in accordance with best current technology. The limitations above have been determined using best available technology.

II. Operational Restrictions

1. The permittee shall burn only commercially available diesel fuel in this emissions unit.
2. The maximum annual combined fuel usage for Group 3 emissions units P018, P019 and P020 shall not exceed 18,000 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	1,500
2	3,000
3	4,500
4	6,000
5	7,500
6	9,000
7	10,500
8	12,000
9	13,500
10	15,000
11	16,500
12	18,000

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.

III. Monitoring and/or 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 emissions units.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative fuel usage for Group 3 emissions units for each calendar month.

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.

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.

IV. 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 this emissions unit.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month fuel limitation as specified under Operational Restrictions, section A.II. Also for the first 12 calendar months of operation following the 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

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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 A.III. 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; and
 - 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 each year and shall cover the previous calendar quarters.

V. 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 A.III. 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.

Pilkington North America, Inc. -Rossford

PTI Application: 04-01136

Issued

Facility ID: 0487010012

Emissions Unit ID: P018

- b. Emissions Limitation:
6.2 lb/hr nitrogen oxides (NOx)

Applicable Compliance Method:

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

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- c. Emissions Limitation for Group Three (sources P018, P019 and P020):
3.9 TPY NO_x

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.III for group two 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 lb/ton to determine the tons per year of nitrogen oxides.

- d. Emissions Limitation:
1.9 lb/hr carbon monoxide (CO)

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 Limitation for Group Three (sources P018, P019 and P020):
1.2 TPY CO

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.III. for group two 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 lb/ton to determine the tons per year of carbon monoxide.

- f. Emissions Limitation:
0.6 lb/hr particulate emissions (PM)

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

Emissions Unit ID: P018

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 Limitation for Group Three (sources P018, P019 and P020):
0.4 TPY PM

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.31 pounds PM per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of particulate matter.

- h. Emissions Limitation:
0.6 lb/hr sulfur dioxide (SO₂)

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.

- i. Emissions Limitation for Group Three (sources P018, P019 and P020):
0.4 TPY SO₂

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.29 pounds SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of sulfur dioxide.

- j. Emissions Limitation:
0.7 lb/hr volatile organic compounds (VOC)

Applicable Compliance Method:

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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 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 Limitation for Group Three (sources P018, P019 and P020):
0.4 TPY VOC

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.35 pounds VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of volatile organic compounds.

VI. Miscellaneous Requirements

none

Pilkin

PTI A

Emissions Unit ID: P018

Issued: To be entered upon final issuance**B. State Only Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P018 - 6-F3-A CAT model 3306 diesel fired turbocharged cooling pump (Z053)		

2. Additional Terms and Conditions

- 2.a. none

II. Operational Restrictions

none

III. Monitoring and/or Recordkeeping Requirements

none

IV. Reporting Requirements

none

V. Testing Requirements

none

VI. Miscellaneous Requirements

none

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Pilkington North America, Inc. -Rossford

PTI Application: 04 01136

Issued

Facility ID: 0487010012

Emissions Unit ID: P018

Pilkin

PTI A

Emissions Unit ID: P019

Issued: To be entered upon final issuance**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P019 - 6-F3-B CAT model 3306 diesel fired turbocharged cooling pump (Z054)	OAC rule 3745-31-05	NOx: 6.2 lb/hr CO: 1.9 lb/hr PM: 0.6 lb/hr SO ₂ : 0.6 lb/hr VOC: 0.7 lb/hr see section A.I.2.a.
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6 minute average, unless otherwise specified by the rule
	OAC rule 3745-17-11(B)(5)	see section A.I.2.b.
	OAC rule 3745-18-06(G)	see section A.I.2.b.
	OAC rule 3745-21-07(B) OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)	see section A.I.2.c.

2. Additional Terms and Conditions

- 2.a** Sources P018, P019 and P020 have a fuel limitation of 18,000 gallons per year as a group. The Permit Allowable Emissions for these three sources are the following:
NO_x = 3.9 TPY, CO = 1.2 TPY, PM = 0.4 TPY, SO₂ = 0.4 TPY and VOC = 0.4 TPY
- 2.b** This rule is less stringent than the BAT determination that resulted in the emission limitation.

Issued: To be entered upon final issuance

- 2.c These rules require emissions to be minimized by use of the latest practices in accordance with best current technology. The limitations above have been determined using best available technology.

II. Operational Restrictions

1. The permittee shall burn only commercially available diesel fuel in this emissions unit.
2. The maximum annual combined fuel usage for Group 3 emissions units P018, P019 and P020 shall not exceed 18,000 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	1,500
2	3,000
3	4,500
4	6,000
5	7,500
6	9,000
7	10,500
8	12,000
9	13,500
10	15,000
11	16,500
12	18,000

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.

III. Monitoring and/or 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.

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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 emissions units.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative fuel usage for Group 3 emissions units for each calendar month.

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.

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.

IV. 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 this emissions unit.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month fuel limitation as specified under Operational Restrictions, section A.II. Also for the first 12 calendar months of operation following the 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 A.III. 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; and
 - 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 each year and shall cover the previous calendar quarters.

V. 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 A.III. 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.

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- b. Emissions Limitation:
6.2 lb/hr nitrogen oxides (NO_x)

Applicable Compliance Method:

Compliance shall be determined by multiplying the following: the maximum gallon usage (gallons per hour); the emission factor of 3.1 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 Limitation for Group Three (sources P018, P019 and P020):3.9 TPY NO_xApplicable 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.III for group two 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 lb/ton to determine the tons per year of nitrogen oxides.

d. Emissions Limitation:

1.9 lb/hr carbon monoxide (CO)

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 Limitation for Group Three (sources P018, P019 and P020):

1.2 TPY CO

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.III. for group two 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 lb/ton to determine the tons per year of carbon monoxide.

f. Emissions Limitation:

0.6 lb/hr particulate emissions (PM)

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

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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 Limitation for Group Three (sources P018, P019 and P020):
0.4 TPY PM

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.31 pounds PM per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of particulate matter.

- h. Emissions Limitation:
0.6 lb/hr sulfur dioxide (SO₂)

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.

- i. Emissions Limitation for Group Three (sources P018, P019 and P020):
0.4 TPY SO₂

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.29 pounds SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of sulfur dioxide.

- j. Emissions Limitation:
0.7 lb/hr volatile organic compounds (VOC)

Applicable Compliance Method:

Emissions Unit ID: P019

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 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 Limitation for Group Three (sources P018, P019 and P020):
0.4 TPY VOC

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.35 pounds VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of volatile organic compounds.

VI. Miscellaneous Requirements

none

**Pilkin;
PTI A**

Emissions Unit ID: P019

Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P019 - 6-F3-B CAT model 3306 diesel fired turbocharged cooling pump (Z054)		

2. Additional Terms and Conditions

- 2.a. none

II. Operational Restrictions

none

III. Monitoring and/or Recordkeeping Requirements

none

IV. Reporting Requirements

none

V. Testing Requirements

none

VI. Miscellaneous Requirements

none

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Pilkin;

PTI A

Issued: To be entered upon final issuance

Emissions Unit ID: P019

Pilkin
PTI A

Emissions Unit ID: P020

Issued: To be entered upon final issuance

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P020 - 6-F3-C CAT model 3306 diesel fired turbocharged cooling pump (Z055)	OAC rule 3745-31-05	NOx: 6.2 lb/hr CO: 1.9 lb/hr PM: 0.6 lb/hr SO ₂ : 0.6 lb/hr VOC: 0.7 lb/hr see section A.I.2.a.
	OAC rule 3745-17-07(A)(1)	20% opacity as a 6 minute average, unless otherwise specified by the rule
	OAC rule 3745-17-11(B)(5)	see section A.I.2.b.
	OAC rule 3745-18-06(G)	see section A.I.2.b.
	OAC rule 3745-21-07(B) OAC rule 3745-21-08(B) OAC rule 3745-23-06(B)	see section A.I.2.c.

2. Additional Terms and Conditions

- 2.a** Sources P018, P019 and P020 have a fuel limitation of 18,000 gallons per year as a group. The Permit Allowable Emissions for these three sources are the following:
NO_x = 3.9 TPY, CO = 1.2 TPY, PM = 0.4 TPY, SO₂ = 0.4 TPY and VOC = 0.4 TPY
- 2.b** This rule is less stringent than the BAT determination that resulted in the emission limitation.

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- 2.c These rules require emissions to be minimized by use of the latest practices in accordance with best current technology. The limitations above have been determined using best available technology.

II. Operational Restrictions

1. The permittee shall burn only commercially available diesel fuel in this emissions unit.
2. The maximum annual combined fuel usage for Group 3 emissions units P018, P019 and P020 shall not exceed 18,000 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	1,500
2	3,000
3	4,500
4	6,000
5	7,500
6	9,000
7	10,500
8	12,000
9	13,500
10	15,000
11	16,500
12	18,000

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.

III. Monitoring and/or 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 emissions units.

Also, during the first 12 calendar months of operation following issuance of this permit, the permittee shall record the cumulative fuel usage for Group 3 emissions units for each calendar month.

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.

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.

IV. 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 this emissions unit.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedences of the rolling, 12-month fuel limitation as specified under Operational Restrictions, section A.II. Also for the first 12 calendar months of operation following the 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

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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 A.III. 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; and
 - 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 each year and shall cover the previous calendar quarters.

V. 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 A.III. 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.

Pilkington North America, Inc. -Rossford

PTI Application: 04-01136

Issued

Facility ID: 0487010012

Emissions Unit ID: P020

- b. Emissions Limitation:
6.2 lb/hr nitrogen oxides (NOx)

Applicable Compliance Method:

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

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- c. Emissions Limitation for Group Three (sources P018, P019 and P020):
3.9 TPY NO_x

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.III for group two 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 lb/ton to determine the tons per year of nitrogen oxides.

- d. Emissions Limitation:
1.9 lb/hr carbon monoxide (CO)

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 Limitation for Group Three (sources P018, P019 and P020):
1.2 TPY CO

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.III. for group two 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 lb/ton to determine the tons per year of carbon monoxide.

- f. Emissions Limitation:
0.6 lb/hr particulate emissions (PM)

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

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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 Limitation for Group Three (sources P018, P019 and P020):
0.4 TPY PM

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.31 pounds PM per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of particulate matter.

- h. Emissions Limitation:
0.6 lb/hr sulfur dioxide (SO₂)

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.

- i. Emissions Limitation for Group Three (sources P018, P019 and P020):
0.4 TPY SO₂

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.29 pounds SO₂ per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of sulfur dioxide.

- j. Emissions Limitation:
0.7 lb/hr volatile organic compounds (VOC)

Applicable Compliance Method:

Issued: To be entered upon final issuance

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 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 Limitation for Group Three (sources P018, P019 and P020):
0.4 TPY VOC

Applicable Compliance Method:

Compliance shall be determined by multiplying the rolling, 12-month fuel usage (gallons/yr) from the monitoring and recordkeeping requirements of section A.III. for group two emissions units; the emission factor of 0.35 pounds VOC per million BTUs and the heating value of 0.141 million BTUs per gallon. Divide by 2000 lb/ton to determine the tons per year of volatile organic compounds.

VI. Miscellaneous Requirements

none

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PTI A**

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Issued: To be entered upon final issuance

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P020 - 6-F3-C CAT model 3306 diesel fired turbocharged cooling pump (Z055)		

2. Additional Terms and Conditions

2.a none

II. Operational Restrictions

none

III. Monitoring and/or Recordkeeping Requirements

none

IV. Reporting Requirements

none

V. Testing Requirements

none

VI. Miscellaneous Requirements

none