OhioEPA

State of Ohio Environmental Protection Agency

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Lazarus Gov. Center
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P.O. Box 1049
Columbus, OH 43216-1049

03/13/02

RE: Proposed Title V Chapter 3745-77 Permit
04-48-01-0737
City of Toledo, Division of Water Reclamation

Attn: Genevieve Damico AR-18J
United States Environmental Protection Agency
Region V
77 West Jackson Blvd.
Chicago, IL 60604-3590

Dear Ms. Damico:

The proposed issuance of the Title V permit for City of Toledo, Division of Water Reclamation, has been created in Ohio EPA's State Air Resources System (STARS) on 03/13/02, for review by USEPA. This proposed action is identified in STARS as 3-Title V Proposed Permit T+C covering the facility specific terms and conditions, and Title V Proposed Permit covering the general terms and conditions. This proposed permit will be processed for issuance as a final action after forty-five (45) days from USEPA's receipt of this certified letter if USEPA does not object to the proposed permit. Please contact Mike Ahern, DAPC Permit Management Unit supervisor at (614) 644-3631 by the end of the forty-five (45) day review period if you wish to object to the proposed permit.

Very truly yours,

Thomas G. Rigo

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

cc: Toledo Div of Environmental Services
File, DAPC PMU

State of Ohio Environmental Protection Agency

PROPOSED TITLE V PERMIT

Issue Date: 03/13/02	Effective Date: To be entered upon final issuance	Expiration Date: To be entered upon final issuance

This document constitutes issuance of a Title V permit for Facility ID: 04-48-01-0737 to:
City of Toledo, Division of Water Reclamation
348 South Erie Street
Toledo, OH 43602-1633

Emissions Unit ID (Company ID)/Emissions Unit Activity Description

P001 (BVPS#3) Powers 58MGD Pump (460HP)	P004 (ME#3) Powers air compressor for secondary aeration system (850 HP)	P006 (ME#5) Powers air compressor for secondary aeration system (506 HP)
P003 (ME#2) Powers air compressor for secondary aeration system (438 HP)	P005 (ME#4) Powers air compressor for secondary aeration system (850 HP)	

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Toledo Div of Environmental Services
(419) 936-3015

OHIO ENVIRONMENTAL PROTECTION AGENCY

Christopher Jones
Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Record Keeping and Reporting Requirements

a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

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

b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c. 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 record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))
ii. Quarterly written reports of (i) any deviations from federally enforceable <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements (in part) of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. 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. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.6 below if no deviations occurred during the quarter.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

iii. Written reports, which identify any deviations from the federally enforceable monitoring, record keeping, 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. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, record keeping, and reporting requirements. 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.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii))

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.
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

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 condition, of any emissions unit(s) 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 submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upset conditions.

Except as provided in OAC rule 3745-15-06, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iii))

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

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

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
(Authority for term: OAC rule 3745-77-07(A)(6))

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, in accordance with A.10 below. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d. This permit does not convey any property rights of any sort, or any exclusive privilege.

e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

(Authority for term: OAC rule 3745-77-07(A)(7))

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

8. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.
(Authority for term: OAC rule 3745-77-07(A)(9))

9. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

10. Reopening for Cause

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

a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

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

11. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.
(Authority for term: OAC rule 3745-77-07(B))

12. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

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 paragraph (E) of OAC rule 3745-77-03.
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.

d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before April 30th of each year during the permit term.
ii. Compliance certifications shall include the following:
   (a) An identification of each term or condition of this permit that is the basis of the certification.
   (b) The permittee's current compliance status.
   (c) Whether compliance was continuous or intermittent.
   (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
   (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

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

13. Permit Shield

a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

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

14. Operational Flexibility

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

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

15. Emergencies

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

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

16. Off-Permit Changes

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

a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;

b. The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions

or pollutants emitted, and any federally applicable requirement that would apply as a result of the change;

c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F);

d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes; and

e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

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

(For purposes of clarification, the permittee can refer to Engineering Guide #63 that is available in the STARSHIP software package.)
(Authority for term: OAC rule 3745-77-07(I))

17. Compliance Method Requirements

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

18. Insignificant Activities

Each insignificant activity that has one or more applicable requirements shall comply with those applicable requirements.
(Authority for term: OAC rule 3745-77-07(A)(1))

19. Permit to Install Requirement

Prior to the “installation” or “modification” of any “air contaminant source,” as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-07(A)(1))

20. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.
(Authority for term: OAC rule 3745-77-07(A)(1))

B. *State Only Enforceable Section*

1. Reporting Requirements Related to Monitoring and Record Keeping Requirements

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or record keeping information shall be submitted to the 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 emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (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.)

2. Records Retention Requirements

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.

3. Inspections and Information Requests

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

4. 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 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. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution

control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

5. 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.

6. Additional Reporting Requirements When There Are No Deviations of <u>Federally Enforceable</u> 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.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

1. This facility developed and registered a risk management plan pursuant to section 112(r) of the Act and, therefore, is subject to Section 112(r) of the Act.

B. State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

B007 - SH boiler #1;
B008 - SH boiler #2; and
B009 - SH boiler #3.

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a permit to install for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: BVPS#3 (P001)

Activity Description: Powers 58MGD Pump (460HP)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Powers 58MGD Pump (460HP), fueled by natural gas, digester gas, or #2 fuel oil.	OAC rule 3745-17-07(A)(1)	See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(a)	0.25 pound of particulate emissions per million Btu of actual heat input
		See A.I.2.b below.
	OAC rule 3745-17-11(B)(5)(a)	0.310 pound of particulate emissions per million Btu of actual heat input
		See A.I.2.c below.
	OAC rule 3745-18-06(G)	0.5 pound of sulfur dioxide per million Btu of actual heat input

2. Additional Terms and Conditions

2.a Visible particulate emissions, from any stack, shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

2.b The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.310 pound per million Btu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

2.c This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

II. Operational Restrictions

1. The permittee shall burn only natural gas, digester gas, and/or #2 fuel oil in this emissions unit.

2. The quality of the oil burned in this emissions unit shall meet, on an "as received" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pound of sulfur dioxide per million Btu actual heat input.

3. The quality of the digester gas burned in this emissions unit shall meet, on an "as burned" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pound of sulfur dioxide per million Btu of actual heat input.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, digester gas, and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294 or ASTM method D129, or ASTM method D1552 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Toledo Division of Environmental Services.

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received (gallons), the permittee's or oil supplier's analyses for sulfur content (percent) and heat content (Btu per gallon), and the calculated sulfur dioxide emission rate (pound(s) per million Btu).

4. The permittee shall collect a representative sample for the digester gas that is burned in this emissions unit. Sampling shall be performed initially on a quarterly basis. (The permittee may petition the Director to reduce testing frequency based on sampling records.) The permittee shall perform analyses of each digester gas sample for sulfur content, heat content, and density in accordance with the appropriate ASTM methods. Alternative, equivalent test methods may be used upon written approval by the Toledo Division of Environmental Services.

5. The permittee shall maintain records of the total quantity of digester gas combusted (cu. ft.) and, for each digester gas sample, the permittee's analyses for sulfur content (percent, by volume) and heat content (Btu per cu. ft.), and the calculated sulfur dioxide emission rate (pound(s) per million Btu).

IV. Reporting Requirements

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

2. The permittee shall submit, on a semi-annual basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu per gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:

a. the total quantity of oil received in each shipment (gallons); and

b. the calculated sulfur dioxide emission rate (pound(s) per million Btu) for each shipment of oil received.

These semi-annual reports shall be submitted by January 31 and July 31 of each year and shall cover the oil shipments received during the previous 6-month period.

3. The permittee shall submit, on a semi-annual basis, copies of the permittee's analyses for the digester gas which is burned in this emissions unit. The permittee's analyses shall document the sulfur content (percent, by volume) and heat content (Btu per cu.ft.) for each digester gas sample. The following information shall also be included with the copies of the permittee's analyses:

a. the total quantity of digester gas burned (cu. ft.); and

b. the calculated sulfur dioxide emission rate (pound(s) per million Btu) for each digester gas sample.

These semi-annual reports shall be submitted by January 31 and July 31 of each year and shall cover the digester gas burned during the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:

0.25 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

When burning natural gas and/or digester gas, compliance may be based upon an emission factor of 0.0384 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (07/00).

When burning #2 fuel oil, the permittee cannot demonstrate compliance with this emission limitation based upon the current emission factor contained in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96). The Ohio EPA revised the emission limitation specified in this rule citation based upon the currently applicable emission factor. The revised rule was adopted by the Director of Ohio EPA in December of 1997, and it will be submitted to the U.S. EPA as a proposed revision to the Ohio SIP for particulate matter. When the SIP revision is approved by the U.S. EPA, the 0.25 pound per million Btu actual heat input emission limitation will no longer be applicable, and the permittee will be able to demonstrate compliance with the new emission limitation (0.310 pound per million Btu actual heat input) using the current emission factor.

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

1.c Emission Limitation:

0.310 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

When burning natural gas and/or digester gas, compliance may be based upon an emission factor of 0.0384 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (07/00).

When burning #2 fuel oil, compliance may be based upon an emission factor of 0.31 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96).

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

V. Testing Requirements (continued)

1.d Emission Limitation:

0.5 pound of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning #2 fuel oil or digester gas, compliance with this emission limitation may be determined by using the analytical results and calculated sulfur dioxide emission rates provided by the permittee or oil supplier for each shipment of oil or each digester gas sample. When burning natural gas, compliance with this limitation may be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-18-04(E)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: ME#2 (P003)

Activity Description: Powers air compressor for secondary aeration system (438 HP)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Powers air compressor for secondary aeration system (438 HP), fueled by natural gas, digester gas, or #2 fuel oil.	OAC rule 3745-17-07(A)(1)	See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(a)	0.25 pound of particulate emissions per million Btu of actual heat input
		See A.I.2.b below.
	OAC rule 3745-17-11(B)(5)(a)	0.310 pound of particulate emissions per million Btu of actual heat input
		See A.I.2.c below.
	OAC rule 3745-18-06(G)	0.5 pound of sulfur dioxide per million Btu of actual heat input

2. Additional Terms and Conditions

2.a Visible particulate emissions, from any stack, shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

2.b The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.310 pound per million Btu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

2.c This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

II. Operational Restrictions

1. The permittee shall burn only natural gas, digester gas, and/or #2 fuel oil in this emissions unit.

2. The quality of the oil burned in this emissions unit shall meet, on an "as received" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pound of sulfur dioxide per million Btu actual heat input.

3. The quality of the digester gas burned in this emissions unit shall meet, on an "as burned" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pound of sulfur dioxide per million Btu of actual heat input.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, digester gas, and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294 or ASTM method D129, or ASTM method D1552 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Toledo Division of Environmental Services.

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received (gallons), the permittee's or oil supplier's analyses for sulfur content (percent) and heat content (Btu per gallon), and the calculated sulfur dioxide emission rate (pound(s) per million Btu).

4. The permittee shall collect a representative sample for the digester gas that is burned in this emissions unit. Sampling shall be performed initially on a quarterly basis. (The permittee may petition the Director to reduce testing frequency based on sampling records.) The permittee shall perform analyses of each digester gas sample for sulfur content, heat content, and density in accordance with the appropriate ASTM methods. Alternative, equivalent test methods may be used upon written approval by the Toledo Division of Environmental Services.

5. The permittee shall maintain records of the total quantity of digester gas combusted (cu. ft.) and, for each digester gas sample, the permittee's analyses for sulfur content (percent, by volume) and heat content (Btu per cu. ft.), and the calculated sulfur dioxide emission rate (pound(s) per million Btu).

IV. Reporting Requirements

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

2. The permittee shall submit, on a semi-annual basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu per gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:

a. the total quantity of oil received in each shipment (gallons); and

b. the calculated sulfur dioxide emission rate (pound(s) per million Btu) for each shipment of oil received.

These semi-annual reports shall be submitted by January 31 and July 31 of each year and shall cover the oil shipments received during the previous 6-month period.

3. The permittee shall submit, on a semi-annual basis, copies of the permittee's analyses for the digester gas which is burned in this emissions unit. The permittee's analyses shall document the sulfur content (percent, by volume) and heat content (Btu per cu.ft.) for each digester gas sample. The following information shall also be included with the copies of the permittee's analyses:

a. the total quantity of digester gas burned (cu. ft.); and

b. the calculated sulfur dioxide emission rate (pound(s) per million Btu) for each digester gas sample.

These semi-annual reports shall be submitted by January 31 and July 31 of each year and shall cover the digester gas burned during the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:

0.25 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

When burning natural gas and/or digester gas, compliance may be based upon an emission factor of 0.0384 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (07/00).

When burning #2 fuel oil, the permittee cannot demonstrate compliance with this emission limitation based upon the current emission factor contained in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96). The Ohio EPA revised the emission limitation specified in this rule citation based upon the currently applicable emission factor. The revised rule was adopted by the Director of Ohio EPA in December of 1997, and it will be submitted to the U.S. EPA as a proposed revision to the Ohio SIP for particulate matter. When the SIP revision is approved by the U.S. EPA, the 0.25 pound per million Btu actual heat input emission limitation will no longer be applicable, and the permittee will be able to demonstrate compliance with the new emission limitation (0.310 pound per million Btu actual heat input) using the current emission factor.

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

1.c Emission Limitation:

0.310 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

When burning natural gas and/or digester gas, compliance may be based upon an emission factor of 0.0384 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (07/00).

When burning #2 fuel oil, compliance may be based upon an emission factor of 0.31 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96).

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

V. Testing Requirements (continued)

1.d Emission Limitation:

0.5 pound of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning #2 fuel oil or digester gas, compliance with this emission limitation may be determined by using the analytical results and calculated sulfur dioxide emission rates provided by the permittee or oil supplier for each shipment of oil or each digester gas sample. When burning natural gas, compliance with this limitation may be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-18-04(E)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: ME#3 (P004)

Activity Description: Powers air compressor for secondary aeration system (850 HP)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Powers air compressor for secondary aeration system (850 HP), fueled by natural gas, digester gas, or #2 fuel oil.	OAC rule 3745-17-07(A)(1)	See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(b)	0.35 pound of particulate emissions per million Btu of actual heat input See A.I.2.b below.
	OAC rule 3745-17-11(B)(5)(b)	0.062 pound of particulate emissions per million Btu of actual heat input See A.I.2.c below.
	OAC rule 3745-18-06(G)	0.5 pound of sulfur dioxide per million Btu of actual heat input

2. Additional Terms and Conditions

2.a Visible particulate emissions, from any stack, shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

2.b The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 pound per million Btu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

2.c This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

II. Operational Restrictions

1. The permittee shall burn only natural gas, digester gas, and/or #2 fuel oil in this emissions unit.

2. The quality of the oil burned in this emissions unit shall meet, on an "as received" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pound of sulfur dioxide per million Btu actual heat input.

3. The quality of the digester gas burned in this emissions unit shall meet, on an "as burned" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pound of sulfur dioxide per million Btu of actual heat input.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, digester gas, and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294 or ASTM method D129, or ASTM method D1552 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Toledo Division of Environmental Services.

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received (gallons), the permittee's or oil supplier's analyses for sulfur content (percent) and heat content (Btu per gallon), and the calculated sulfur dioxide emission rate (pound(s) per million Btu).

4. The permittee shall collect a representative sample for the digester gas that is burned in this emissions unit. Sampling shall be performed initially on a quarterly basis. (The permittee may petition the Director to reduce testing frequency based on sampling records.) The permittee shall perform analyses of each digester gas sample for sulfur content, heat content, and density in accordance with the appropriate ASTM methods. Alternative, equivalent test methods may be used upon written approval by the Toledo Division of Environmental Services.

5. The permittee shall maintain records of the total quantity of digester gas combusted (cu. ft.) and, for each digester gas sample, the permittee's analyses for sulfur content (percent, by volume) and heat content (Btu per cu. ft.), and the calculated sulfur dioxide emission rate (pound(s) per million Btu).

IV. Reporting Requirements

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

2. The permittee shall submit, on a semi-annual basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu per gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:

a. the total quantity of oil received in each shipment (gallons); and

b. the calculated sulfur dioxide emission rate (pound(s) per million Btu) for each shipment of oil received.

These semi-annual reports shall be submitted by January 31 and July 31 of each year and shall cover the oil shipments received during the previous 6-month period.

3. The permittee shall submit, on a semi-annual basis, copies of the permittee's analyses for the digester gas which is burned in this emissions unit. The permittee's analyses shall document the sulfur content (percent, by volume) and heat content (Btu per cu.ft.) for each digester gas sample. The following information shall also be included with the copies of the permittee's analyses:

a. the total quantity of digester gas burned (cu. ft.); and

b. the calculated sulfur dioxide emission rate (pound(s) per million Btu) for each digester gas sample.

These semi-annual reports shall be submitted by January 31 and July 31 of each year and shall cover the digester gas burned during the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:

0.35 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

When burning natural gas and/or digester gas, compliance may be based upon an emission factor of 0.0384 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (07/00).

When burning #2 fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

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

1.c Emission Limitation:

0.062 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

When burning natural gas and/or digester gas, compliance may be based upon an emission factor of 0.0384 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (07/00).

When burning #2 fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

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

1.d Emission Limitation:

0.5 pound of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning #2 fuel oil or digester gas, compliance with this emission limitation may be determined by using the analytical results and calculated sulfur dioxide emission rates provided by the permittee or oil supplier for each shipment of oil or each digester gas sample. When burning natural gas, compliance with this limitation may be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-18-04(E)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: ME#4 (P005)

Activity Description: Powers air compressor for secondary aeration system (850 HP)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Powers air compressor for secondary aeration system (850 HP), fueled by natural gas, digester gas, or #2 fuel oil.	OAC rule 3745-17-07(A)(1)	See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(b)	0.35 pound of particulate emissions per million Btu of actual heat input
		See A.I.2.b below.
	OAC rule 3745-17-11(B)(5)(b)	0.062 pound of particulate emissions per million Btu of actual heat input
		See A.I.2.c below.
	OAC rule 3745-18-06(G)	0.5 pound of sulfur dioxide per million Btu of actual heat input

2. Additional Terms and Conditions

2.a Visible particulate emissions, from any stack, shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

2.b The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.062 pound per million Btu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

2.c This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

II. Operational Restrictions

1. The permittee shall burn only natural gas, digester gas, and/or #2 fuel oil in this emissions unit.

2. The quality of the oil burned in this emissions unit shall meet, on an "as received" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pound of sulfur dioxide per million Btu actual heat input.

3. The quality of the digester gas burned in this emissions unit shall meet, on an "as burned" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pound of sulfur dioxide per million Btu of actual heat input.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, digester gas, and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294 or ASTM method D129, or ASTM method D1552 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Toledo Division of Environmental Services.

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received (gallons), the permittee's or oil supplier's analyses for sulfur content (percent) and heat content (Btu per gallon), and the calculated sulfur dioxide emission rate (pound(s) per million Btu).

4. The permittee shall collect a representative sample for the digester gas that is burned in this emissions unit. Sampling shall be performed initially on a quarterly basis. (The permittee may petition the Director to reduce testing frequency based on sampling records.) The permittee shall perform analyses of each digester gas sample for sulfur content, heat content, and density in accordance with the appropriate ASTM methods. Alternative, equivalent test methods may be used upon written approval by the Toledo Division of Environmental Services.

5. The permittee shall maintain records of the total quantity of digester gas combusted (cu. ft.) and, for each digester gas sample, the permittee's analyses for sulfur content (percent, by volume) and heat content (Btu per cu. ft.), and the calculated sulfur dioxide emission rate (pound(s) per million Btu).

IV. Reporting Requirements

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

2. The permittee shall submit, on a semi-annual basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu per gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:

a. the total quantity of oil received in each shipment (gallons); and

b. the calculated sulfur dioxide emission rate (pound(s) per million Btu) for each shipment of oil received.

These semi-annual reports shall be submitted by January 31 and July 31 of each year and shall cover the oil shipments received during the previous 6-month period.

3. The permittee shall submit, on a semi-annual basis, copies of the permittee's analyses for the digester gas which is burned in this emissions unit. The permittee's analyses shall document the sulfur content (percent, by volume) and heat content (Btu per cu.ft.) for each digester gas sample. The following information shall also be included with the copies of the permittee's analyses:

a. the total quantity of digester gas burned (cu. ft.); and

b. the calculated sulfur dioxide emission rate (pound(s) per million Btu) for each digester gas sample.

These semi-annual reports shall be submitted by January 31 and July 31 of each year and shall cover the digester gas burned during the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:

0.35 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

When burning natural gas and/or digester gas, compliance may be based upon an emission factor of 0.0384 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (07/00).

When burning #2 fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

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

1.c Emission Limitation:

0.062 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

When burning natural gas and/or digester gas, compliance may be based upon an emission factor of 0.0384 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (07/00).

When burning #2 fuel oil, compliance may be based upon an emission factor of 0.062 lb/mmBtu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.4, Table 3.4-2 (10/96).

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

1.d Emission Limitation:

0.5 pound of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning #2 fuel oil or digester gas, compliance with this emission limitation may be determined by using the analytical results and calculated sulfur dioxide emission rates provided by the permittee or oil supplier for each shipment of oil or each digester gas sample. When burning natural gas, compliance with this limitation may be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-18-04(E)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: ME#5 (P006)

Activity Description: Powers air compressor for secondary aeration system (506 HP)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures
Powers air compressor for secondary aeration system (506 HP), fueled by natural gas, digester gas, or #2 fuel oil.	OAC rule 3745-17-07(A)(1)	See A.I.2.a below.
	OAC rule 3745-17-11(B)(5)(a)	0.25 pound of particulate emissions per million Btu of actual heat input
		See A.I.2.b below.
	OAC rule 3745-17-11(B)(5)(a)	0.310 pound of particulate emissions per million Btu of actual heat input
		See A.I.2.c below.
	OAC rule 3745-18-06(G)	0.5 pound of sulfur dioxide per million Btu of actual heat input

2. Additional Terms and Conditions

2.a Visible particulate emissions, from any stack, shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

2.b The requirement to comply with this particulate emission limitation shall terminate on the date the U.S. EPA approves the 0.310 pound per million Btu actual heat input emission limitation as a revision to the Ohio SIP for particulate matter.

2.c This particulate emission limitation shall be effective and federally enforceable on the date the U.S. EPA approves this particulate emission limitation as a revision to the Ohio SIP for particulate matter.

II. Operational Restrictions

1. The permittee shall burn only natural gas, digester gas, and/or #2 fuel oil in this emissions unit.

2. The quality of the oil burned in this emissions unit shall meet, on an "as received" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pound of sulfur dioxide per million Btu actual heat input.

3. The quality of the digester gas burned in this emissions unit shall meet, on an "as burned" basis, a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.5 pound of sulfur dioxide per million Btu of actual heat input.

III. Monitoring and/or Record Keeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, digester gas, and/or #2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

2. The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294 or ASTM method D129, or ASTM method D1552 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the Toledo Division of Environmental Services.

3. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received (gallons), the permittee's or oil supplier's analyses for sulfur content (percent) and heat content (Btu per gallon), and the calculated sulfur dioxide emission rate (pound(s) per million Btu).

4. The permittee shall collect a representative sample for the digester gas that is burned in this emissions unit. Sampling shall be performed initially on a quarterly basis. (The permittee may petition the Director to reduce testing frequency based on sampling records.) The permittee shall perform analyses of each digester gas sample for sulfur content, heat content, and density in accordance with the appropriate ASTM methods. Alternative, equivalent test methods may be used upon written approval by the Toledo Division of Environmental Services.

5. The permittee shall maintain records of the total quantity of digester gas combusted (cu. ft.) and, for each digester gas sample, the permittee's analyses for sulfur content (percent, by volume) and heat content (Btu per cu. ft.), and the calculated sulfur dioxide emission rate (pound(s) per million Btu).

IV. Reporting Requirements

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

2. The permittee shall submit, on a semi-annual basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu per gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:

a. the total quantity of oil received in each shipment (gallons); and

b. the calculated sulfur dioxide emission rate (pound(s) per million Btu) for each shipment of oil received.

These semi-annual reports shall be submitted by January 31 and July 31 of each year and shall cover the oil shipments received during the previous 6-month period.

3. The permittee shall submit, on a semi-annual basis, copies of the permittee's analyses for the digester gas which is burned in this emissions unit. The permittee's analyses shall document the sulfur content (percent, by volume) and heat content (Btu per cu.ft.) for each digester gas sample. The following information shall also be included with the copies of the permittee's analyses:

a. the total quantity of digester gas burned (cu. ft.); and

b. the calculated sulfur dioxide emission rate (pound(s) per million Btu) for each digester gas sample.

These semi-annual reports shall be submitted by January 31 and July 31 of each year and shall cover the digester gas burned during the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitations in sections A.I.1 and A.I.2 of these terms and conditions shall be determined in accordance with the following methods:

V. Testing Requirements (continued)

1.a Emission Limitation:

20% opacity as a 6-minute average

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-17-03(B)(1).

1.b Emission Limitation:

0.25 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

When burning natural gas and/or digester gas, compliance may be based upon an emission factor of 0.0384 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (07/00).

When burning #2 fuel oil, the permittee cannot demonstrate compliance with this emission limitation based upon the current emission factor contained in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96). The Ohio EPA revised the emission limitation specified in this rule citation based upon the currently applicable emission factor. The revised rule was adopted by the Director of Ohio EPA in December of 1997, and it will be submitted to the U.S. EPA as a proposed revision to the Ohio SIP for particulate matter. When the SIP revision is approved by the U.S. EPA, the 0.25 pound per million Btu actual heat input emission limitation will no longer be applicable, and the permittee will be able to demonstrate compliance with the new emission limitation (0.310 pound per million Btu actual heat input) using the current emission factor.

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

1.c Emission Limitation:

0.310 pound of particulate emissions per million Btu of actual heat input

Applicable Compliance Method:

When burning natural gas and/or digester gas, compliance may be based upon an emission factor of 0.0384 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.2, Table 3.2-1 (07/00).

When burning #2 fuel oil, compliance may be based upon an emission factor of 0.31 pound per million Btu. This emission factor is specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96).

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

V. Testing Requirements (continued)

1.d Emission Limitation:

0.5 pound of sulfur dioxide per million Btu of actual heat input

Applicable Compliance Method:

When burning #2 fuel oil or digester gas, compliance with this emission limitation may be determined by using the analytical results and calculated sulfur dioxide emission rates provided by the permittee or oil supplier for each shipment of oil or each digester gas sample. When burning natural gas, compliance with this limitation may be assumed due to the negligible percent sulfur, by weight, in the fuel.

If required, the permittee shall demonstrate compliance using the methods and procedures of OAC rule 3745-18-04(E)(1).

VI. Miscellaneous Requirements

None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/ Requirements	Applicable Emissions Limitations/Control Measures

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

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