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Facility Name: **Village of Lodi-Waste Water Treatment Plt**

Application Number: **16-1764**

Date: **July 8, 1998**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

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

NOTICE OF INSPECTION

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

CONSTRUCTION OF NEW SOURCE(S)

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

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Ohio Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code

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(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 prove to be inadequate or cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 15 days of the effective date of this permit to install.

PUBLIC DISCLOSURE

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

APPLICABILITY

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

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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PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be made at least 90 days prior to start-up of the source.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

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

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

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

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>
B001	1800 kW Diesel generator with 500 gallon integral fuel storage tank	Compliance with the terms and conditions of this permit	3745-17-07 (A) 3745-17-11 (B) (5)

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
	SO _x			
Permit Allowable Emissions and/or Control/Usage Requirements	1.5 pounds/hour organic compound (OC) 2.6 TPY OC			
57.4 pounds/hour nitrogen oxides (No _x) 99.0 TPY No _x	Visible particulate emissions from any stack shall not exceed 20 percent opacity, a six minute average.			
13.7 pounds/hour carbon monoxide (CO) 23.6 TPY CO	0.25 pound of particulate matter (PM) per million Btu actual heat input			
0.8 pound/hour sulfur oxides (SO _x) 1.4 TPY	4.0 pounds/hour PM 6.9 TPY PM			

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SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
No _x	99.0
CO	23.6
SO _x	1.4
OC	2.6
PM	6.9

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CONSTRUCTION STATUS

The **Akron Air Pollution Control Office** shall be notified in writing as to (a) the construction starting date, (b) the construction completion date, and (c) the date the facilities were placed into operation for the following sources: B001.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Akron Air Pollution Control Office, 146 South High Street, Room 904, Akron, OH 44308.**

MAINTENANCE OF EQUIPMENT

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

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Akron Air Pollution Control Office, 146 South High Street, Room 904, Akron, OH 44308.**

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

AIR POLLUTION NUISANCES PROHIBITED

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

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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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Additional Terms and Conditions

1. None.

B. Operational Restrictions

1. The maximum annual operating hours for this emissions unit shall not exceed 3,450, based upon a rolling, 12-month summation of the operating hours.
2. To ensure enforceability during the first 12 calendar months of operation, the permittee shall not exceed the operating hours levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Operating Hours</u>
1	287.5
1-2	575.0
1-3	862.5
1-4	1,150.0
1-5	1,437.5
1-6	1,725.0
1-7	2,012.5
1-8	2,300.0
1-9	2,587.5
1-10	2,875.0
1-11	3,162.5
1-12	3,450.0

After the first 12 calendar months of operation,

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compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the operating hours.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. the operating hours for each month; and,
 - b. beginning after the first 12 calendar months of operation, the rolling, 12-month summation of the operating hours.

Also, during the first 12 calendar months of operation, the permittee shall record the cumulative operating hours for each calendar month.

2. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of three 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.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling 12-month operating hours limitation and, for the first 12 calendar months of operation, all exceedance of the maximum allowable cumulative operating hours levels.
2. 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 Akron Air Pollution Control; and,
 - b. except as otherwise may be provided in the terms

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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 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 Akron Air Pollution Control Office. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly reports, 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).

E. Testing Requirements

1. Compliance with the emission limitation(s) in Emissions Summary of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation

57.4 pounds/hour No_x

Applicable Compliance Method

Multiply the nitrogen oxides emissions factor of 3.2 pound(s) of nitrogen oxides emissions per million Btu of fuel input by the maximum hourly fuel input in million Btu/hour (AP-42 Table 3.4-1 dated October 1996).

- b. Emission Limitation

99.0 TPY No_x

Applicable Compliance Method

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Multiply the maximum hourly emission rate of nitrogen oxides by the maximum annual operating hours (3,450 hours/year) divided by 2,000.

c. Emission Limitation

13.7 pounds/hour CO

Applicable Compliance Method

Multiply the carbon monoxide emissions factor of 0.85 pound(s) of carbon monoxide emissions per million Btu of fuel input by the maximum hourly fuel input in million Btu/hour (AP-42 Table 3.4-1 dated October 1996).

d. Emission Limitation

23.6 TPY CO

Applicable Compliance Method

Multiply the maximum hourly emission rate of carbon monoxide by the maximum annual operating hours (3,450 hours/year) divided by 2,000.

e. Emission Limitation

0.8 pound/hour SO₂

Applicable Compliance Method

Multiply the sulfur oxides emissions factor of 1.01S pound(s) of sulfur oxides emissions per million Btu of fuel input by the maximum hourly fuel input in million Btu/hour (AP-42 Table 3.4-1 dated October 1996).

Note: S = percent sulfur in fuel oil

f. Emission Limitation

1.4 TPY SO₂

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Applicable Compliance Method

Multiply the maximum hourly emission rate of sulfur oxides by the maximum annual operating hours (3,450 hours/year) divided by 2,000.

g. Emission Limitation

1.5 pounds/hour OC

Applicable Compliance Method

Multiply the organic compound emissions factor of 0.09 pound(s) of organic compound emissions per million Btu of fuel input by the maximum hourly fuel input in millions Btu/hour (AP-42 Table 3.4-1 dated October 1996).

h. Emission Limitation

2.6 TPY OC

Applicable Compliance Method

Multiply the maximum hourly emission rate of organic compound by the maximum annual operating hours (3,450 hours/year) divided by 2,000.

i. Emission Limitation

4.0 pound/hour PM and 0.25 pound of PM per million Btu actual heat input

Applicable Compliance Method

Stack testing may be required in the future in accordance with OAC rule 3745-17-03(B)(10).

j. Emission Limitation

6.9 TPY PM

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Applicable Compliance Method

Multiply the maximum hourly emission rate of particulate matter by the maximum annual operating hours (3,450 hours/year) divided by 2,000.

k. Emission Limitation

Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average.

Applicable Compliance Method

OAC rule 3745-17-03(B) (1).

F. Miscellaneous Requirements

1. None.