



CITY OF LIMA, OHIO

David J. Berger, Mayor

50 Town Square Lima, Ohio 45801-4900 419/228-5462 Fax 419/221-5214

www.cityhall.lima.oh.us

September 15, 2014

RECEIVED
SEP 17 2014
OHIO E.P.S.
N.W.D.O.

Peggy Christie
347 N. Dunbridge Road
Bowling Green, OH 43402

RE: Antidegradation Addendum NPDES permit # 2PE00000MD

Dear Peggy,

I have enclosed the corrected and signed Antidegradation Addendum. If you have any questions or comments, please call me at 419/221-5191

Sincerely yours,

Russell Bales
Supervisor, WWTP



State of Ohio Environmental Protection Agency

Page 1

DIVISION OF SURFACE WATER

Antidegradation Addendum

In accordance with Ohio Administrative Code 3745-1-05 (Antidegradation), additional information may be required to complete your application for a permit to install or NPDES permit. For any application that may result in an increase in the level of pollutants being discharged (NPDES and/or PTI) or for which there might be activity taking place within a stream bed, the processing of the permit(s) may be required to go through procedures as outlined in the antidegradation rule. The rule outlines procedures for public notification and participation as well as procedures pertaining to the levels of review necessary. The levels of review necessary depend on the degradation being considered/requested. The rule also outlines exclusions from portions of the application and review requirements and waivers that the Director may grant as specified in Section 3745-1-05(D) of the rule. Please complete the following questions. The answers provided will allow the Ohio EPA to determine if additional information is needed. All projects that require both an NPDES and PTI should submit both applications simultaneously to avoid going through the antidegradation process separately for each permit.

A. Applicant: City of Lima Wastewater Treatment

Facility Owner: City of Lima, Ohio

Facility Location (city and county): Lima, Allen County

Application or Plans Prepared By: Russell C. Bales

Project Name: NPDES Permit Renewal

NPDES Permit Number (if applicable): 2PE00000MD

B. Antidegradation Applicability

Is the application for? (check as many as apply):

☐ Application with no direct surface water discharge (Projects that do not meet the applicability section of 3745-1-05(B)1, i.e., on-site disposal, extensions of sanitary sewers, spray irrigation, indirect discharger to POTW, etc.). (Complete Section E)

☒ Renewal NPDES application or PTI application with no requested increase in loading of currently permitted pollutants. (Complete Section E, Do not complete Sections C or D).

☐ PTI and NPDES application for a new wastewater treatment works that will discharge to a surface water. (Complete Sections C and E)

☐ An expansion/modification of an existing wastewater treatment works discharging to a surface water that will result in any of the following (PTI and NPDES): (Complete Sections C and E)

- addition of any pollutant not currently in the discharge, or
- an increase in mass or concentration of any pollutant currently in the discharge, or
- an increase in any current pollutant limitation in terms of mass or concentration.

- _____ PTI that involves placement of fill or installation of any portion of a sewerage system (i.e., sanitary sewers, pump stations, WWTP, etc.) within 150 feet of a stream bed. Please provide information requested on the stream evaluation addendum (i.e., number of stream crossings, fill placement, etc.) and complete Section E.
- _____ Initial NPDES permit for an existing treatment works with a wastewater discharge prior to October 1, 1996. (Complete Sections D and E)
- _____ Renewal NPDES permit or modification to an effective NPDES permit that will result in any of the following: (Complete Sections C and E)
 - a new permit limitation for a pollutant that previously had no limitation, or
 - an increase in any mass or concentration limitation of any pollutant that currently has a limitation.

C. Antidegradation Information

1. Does the PTI and/or NPDES permit application meet an exclusion as outlined by OAC 3745-1-05(D) (1) of the Antidegradation rule?

_____ Yes (Complete Question C.2)

_____ No (Complete Questions C.3 and C.4)

2. For projects that would be eligible for exclusions provide the following information:

- a. Provide justification for the exclusion.
- b. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.
- c. A description of any construction work, fill or other structures to occur or be placed in or near a stream bed.

3. Are you requesting a waiver as outlined by OAC 3745-1-05(D) (2-7) of the Antidegradation rule?

_____ No

_____ Yes

If you wish to pursue one of the waivers, please identify the waiver and submit the necessary information to support the request. Depending on the waiver requested, the information required under question C.4 may be required to complete the application.

4. For all projects that do not qualify for an exclusion a report must accompany this application evaluating the preferred design alternative, non-degradation alternatives, minimal degradation alternatives, and mitigative techniques/measures for the design and operation of the activity. The information outlined below should be addressed in this report. If a waiver is requested, this section is still required.

- a. Describe the availability, cost effectiveness and technical feasibility of connecting to existing central or regional sewage collection and treatment facilities, including long range plans for

sewer service outlined in state or local water quality management planning documents and applicable facility planning documents.

- b. List and describe all government and/or privately sponsored conservation projects that may have been or will be specifically targeted to improve water quality or enhance recreational opportunities on the affected water resource.
- c. Provide a brief description below of all treatment/disposal alternatives evaluated for this application and their respective operational and maintenance needs. (If additional space is needed please attach additional sheets to the end of this addendum).

Preferred design alternative:

Non-degradation alternative(s):

Minimal degradation alternative(s):

Mitigative technique/measure(s):

At a minimum, the following information must be included in the report for each alternative evaluated.

- d. Outline of the treatment/disposal system evaluated, including the costs associated with the equipment, installation, and continued operation and maintenance.
- e. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.
- f. Describe the reliability of the treatment/disposal system, including but not limited to the possibility of recurring operation and maintenance difficulties that would lead to increased degradation.
- g. Describe any impacts to human health and the overall quality and value of the water resource.
- h. Describe and provide an estimate of the important social and economic benefits to be realized through this proposed project. Include the number and types of jobs created and tax revenues generated.
- i. Describe environmental benefits to be realized through this proposed project.
- j. Describe and provide an estimate of the social and economic benefits that may be lost as a result of this project. Include the impacts on commercial and recreational use of the water resource.

- k. Describe the environmental benefits lost as a result of this project. Include the impact on the aquatic life, wildlife, threatened or endangered species.
- l. A description of any construction work, fill or other structures to occur or be placed in or near a stream bed.
- m. Provide any other information that may be useful in evaluating this application.

D. Discharge Information

- 1. For treatment/disposal systems constructed pursuant to a previously issued Ohio EPA PTI, provide the following information:

PTI Number _____
 PTI Issuance Date _____
 Initial Date of Discharge _____

- 2. Has the appropriate NPDES permit application form been submitted including representative effluent data?

_____ Yes (go to E)
 _____ No (see below)

If no, submit the information as applicable under a OR b as follows:

- a. For entities discharging process wastewater attach a completed 2C form.
- b. For entities discharging wastewater of domestic origin attach the results of at least one chemical analysis of the wastestream for all pollutants for which authorization to discharge is being requested and a measurement of the daily volume (gallons per day) of wastewaters being discharged.

- E. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete.

This section must be signed by the same responsible person who signed the accompanying permit application or certification as per 40 CFR 122.22.

Signature Ray Shively
 Date 9/15/2014



CITY OF LIMA, OHIO

David J. Berger, Mayor

50 Town Square

Lima, Ohio 45801-4900 419/228-5462

Fax 419/221-5214

www.cityhall.lima.oh.us

September 9, 2014

Ms. Peggy Christie
OEPA Northwest District Office
Division of Surface Water
347 North Dunbridge Road
Bowling Green, Ohio 43042

Dear Ms. Christie,

This letter is to serve notice that the City of Lima has met the current NPDES permit requirement to advertise for bid (see attached), award a construction contract and commence construction of the Time-Critical Lift Station Project as defined under Part 1, C, b, ii & iii – Schedules.

The construction contract was awarded to Peterson Construction, with URS Consultants retained as the engineer of record for construction management services. Notice of commencement was issued March 28, 2014 (see attached).

Currently this project is approximately 30% complete with a final completion target date of 1/31/2015.

Please contact this office if you have any questions. Thank you.

Sincerely,


Environmental Compliance Manager

Attachments

cc: Gary A. Sheely, Director of Utilities
Russell Bales, WWTP Supervisor
File

Bid Title:	City of Lima Sanitary Lift Station Improvements
Category:	Purchasing
Status:	Open

Description:**ADVERTISEMENT FOR BIDS**

Sealed Bids will be received by the Office of the City Auditor, Purchasing Division, of the City of Lima, Ohio, 50 Town Square, Lima, Ohio, until 10:00 a.m. on March 5, 2014 for the following:

City of Lima Sanitary Lift Station Improvements

The project consists of improvements to twenty four (24) sanitary lift stations throughout the City of Lima, Ohio. Work at each station generally includes replacement of all existing pumps and valves, installation of a new emergency bypass connection, and replacement of all existing control systems and electrical panels. The project also consists of miscellaneous improvements specific to each lift station, as indicated on the plans and specified in the contract documents.

Bids received after the date and time stated above will not be accepted.

Bidding Documents may be examined at:

- URS office, 277 West Nationwide Boulevard, Columbus, OH
- City of Lima, Department of Public Utilities, 50 Town Square, Lima, OH
- Builder's Exchange Website, <http://home.bxohio.com/>

Bidding documents may be reviewed/obtained from American Reprographics Company (ARC) (www.e-arc.com/oh/columbus), (614) 224-5149, at a non-refundable cost of:

1. Hard copy full size Plans/Specifications	\$150.00
2. Hard copy half size Plans/Specifications	\$100.00
3. CD	\$ 65.00

A non-mandatory pre-bid meeting will be held Wednesday February 19, 2014 at 10:00 AM at the City of Lima Wastewater Treatment Plant, located at 1200 Fort Amanda Road, Lima, OH.

Publication Date/Time:

1/29/2014 12:00 AM

Publication Information:

Published in the Lima News on Jan. 31st and Feb. 7th, 2014

Closing Date/Time:

3/5/2014 10:00 AM

Submittal Information:

Bids to be delivered to the Purchasing Department prior to 10:00 AM on Wednesday, March 5, 2014

Bid Opening Information:

Wed., March 5, 2014

Pre-bid Meeting:

Wed., Feb. 19, 2014

Contact Person:

City of Lima Utilities Department
50 Town Square
Lima, Ohio 45801

419-221-5294

Download Available:

No

Fee:

Yes

Plan & Spec Available:

American Reprographics Company (ARC)
www.e-arc.com/oh/columbus
614-224-5149

Business Hours:

8:00 AM - 5:00 PM

Fax Number:

419-221-5207

Qualifications:

Contracts for Work under this Bid will obligate the Contractor to comply with federal, state and local laws, statutes and ordinances, including licensing of Contractors, State of Ohio Prevailing Wage Rates and non-discriminatory hiring practices

Special Requirements:

Each bidder shall submit with his bid a bid guaranty in the form of either a bond for the amount of 100% of the bid amount or a certified check, cashier's check, or letter of credit in the amount of 10% of the bid in accordance with Ohio Revised Code, Section 153.54. The form of the bond shall be in accordance with the requirements of Ohio Revised Code, Section 153.54. Security shall be drawn in favor of the City of Lima. Other submittal requirements are listed in the Bidding Documents in Section 004393, Bidder's Checklist.

Miscellaneous:

The Owner reserves the right to accept or reject any or all Bids and to waive any irregularities in the Bidding procedure to the extent permitted by law. This includes the right to extend the date and time for receipt of bids.

[Return To Main Bid Postings Page](#)

SECTION 00 5513

NOTICE OF COMMENCEMENT OF PUBLIC IMPROVEMENTS
(Section 1311.252 Ohio Revised Code)

State of Ohio, County of Allen

Notice is hereby given by the undersigned public authority ("Public Authority") of the commencement of a public improvement ("Project") as follows:

(1) The Project is identified as:

Project Name: City of Lima Sanitary Lift Station Improvements

Project Location: Various Locations in the City of Lima, OH

(2) The Public Authority responsible for the Project is:

Public Authority: City of Lima

Street: 50 Town Square

City, State, Zip: Lima, Ohio 45801

(3) The principal contractors on the Project and the trade of each are:

Peterson Construction Company General Trades (All work)

18817 SR 501 N. _____

Wapakoneta, OH 45895 _____

(4) The names and addresses of the sureties for all principal contractors are:

Principal Contractor

Surety

Peterson Construction Company

Ohio Farmers Insurance Company

18817 SR 501 N.

2000 Polaris Parkway

Wapakoneta, OH 45895

Columbus, OH 43240

- (5) The name and address of the representative of the Public Authority upon whom service may be made for the purposes of serving an affidavit pursuant to Section 1311.26 of the Ohio Revised Code is:

Name: Gary Sheely
Title: Director of Utilities
Address: 50 Town Square
Lima, Ohio

Public Authority
By: _____

Title: Director of UTILITIES

The signator of this Notice of Commencement of Public Improvement ("Notice") personally appeared before me on behalf of the Public Authority, a notary public in and for said county,. And swore that all the information in the Notice is true as he/she verily believes and further that he/she is fully authorized by the Public Authority to give said notice.

Sworn to and subscribed before me this 28 day of March, 2014.

(Seal)

Lou Ann Pugh
NOTARY PUBLIC



END OF SECTION 00 5513

LOU ANN PUGH

Notary Public In and For the State of Ohio
My Commission Expires
March 4, 2018

Please print or type in the unshaded areas only.

Form Approved. OMB No. 2040-0086.

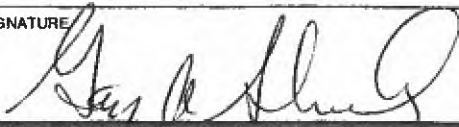
FORM 1 GENERAL	 U.S. ENVIRONMENTAL PROTECTION AGENCY GENERAL INFORMATION Consolidated Permits Program <i>(Read the "General Instructions" before starting.)</i>	I. EPA I.D. NUMBER F 2PE 00000 T/A C 1 2 13 14 D 15 16																																																						
LABEL ITEMS I. EPA I.D. NUMBER III. FACILITY NAME V. FACILITY MAILING ADDRESS VI. FACILITY LOCATION		GENERAL INSTRUCTIONS If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.																																																						
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II. POLLUTANT CHARACTERISTICS INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.																																																								
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PAID

Amount 300.00 Date 7/31/14
 Check # 291047 Date 7/25/14

 RECEIVED
 JUL 31 2014
 EPA

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)			
A. FIRST		B. SECOND	
(specify)	4952	(specify)	
C. THIRD		D. FOURTH	
(specify)		(specify)	
VIII. OPERATOR INFORMATION			
A. NAME			B. Is the name listed in Item VIII-A also the owner?
City of Lima Wastewater Treatment Plant			☒ Yes ☐ No
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)			D. PHONE (area code & no.)
F = FEDERAL S = STATE P = PRIVATE	M = PUBLIC (other than federal or state) O = OTHER (specify)	M city	(419) 221 - 5190
E. STREET OR P.O. BOX			
1200 Fort Amanda Rd			
F. CITY OR TOWN	G. STATE	H. ZIP CODE	IX. INDIAN LAND
Lima	OH	45804	Is this facility located on Indian lands? ☐ Yes ☒ No
X. EXISTING ENVIRONMENTAL PERMITS			
A. NPDES (Discharges to surface water)		D. PSD (Air emissions from proposed sources)	
2PE 00000*MD			
B. UIC (Underground injection of fluids)		E. OTHER (specify)	
		(specify)	
C. RCRA (Hazardous waste)		F. OTHER (specify)	
		(specify)	
XI. MAP			
Attach to this application a topographical map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements.			
XII. NATURE OF BUSINESS (provide a brief description)			
The Lima Wastewater Plant consists of screening, grit removal, primary sedimentation, activated sludge, secondary settling, tertiary treatment, chlorination, and de-chlorination. The sludge is anaerobically digested and alkaline stabilized using the N-viro process. The plant has a total flow capacity of 53 MGD, secondary capacity of 45MGD, and a tertiary treatment capacity of 30MGD. The design capacity is 18.5MGD for normal daily average flow. New construction during the permit cycle will add four new replacement primaries, aerated grit removal, replacement of screens and the addition of one screen, split wet weather treatment utilizing aerobic activated sludge, and tower media treatment. New chlorination, de-chlorination, and ferrous tanks. The total capacity of the plant will be expanded from 53MGD to 70MGD.			
XIII. CERTIFICATION (see instructions)			
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.			
A. NAME & OFFICIAL TITLE (type or print)		B. SIGNATURE	C. DATE SIGNED
Gary A. Sheely, Director of Utilities			7-28-2014
COMMENTS FOR OFFICIAL USE ONLY			



State of Ohio Environmental Protection Agency

Ohio EPA Form 2A
Revised 7/07

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JUL 31 2008

OHIO EPA
REV. 7/07

National Pollutant Discharge Elimination System

Application for Permit to Discharge Wastewater Publicly Owned Treatment Works *NPDES Form 2A*

Submit this application to the appropriate district office

District Offices

Northeast District • 2110 East Aurora Road • Twinsburg, Ohio • 44087

Northwest District • 347 North Dunbridge Road • Bowling Green, Ohio • 43402

Central District • P.O. Box 1049 • Columbus, Ohio • 43216-1049

Southeast District • 2195 Front Street • Logan, Ohio • 43138

Southwest District • 401 East 5th Street • Dayton, Ohio • 45402

For Agency Use	Facility Name:	Date Received (yy/mm/dd)
	Ohio EPA Permit Number:	Application Number:



Form 2A

NPDES Application for Permit to Discharge Wastewater Publicly-Owned Treatment Works

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JUL 31 2014
OHIO E.P.A.
M.W.D.O.

I. Outfall Information

(All treatment works must complete Part I)

A. Description of Outfall. List all effluent outfalls through which sanitary wastewater is discharged. Do not include information on combined sewer overflows (CSO) or collection system / treatment works bypass points.

Outfall Number	Latitude			Longitude			Discharge Point Location	Receiving Water
	Deg.	Min.	Sec.	Deg.	Min.	Sec.		
001	40	43	24	84	7	48	corrected outfall location	Ottawa River
New	40	43	24	84	7	46	outfall after construction	Ottawa River

Latitude/Longitude Data Comments: latitude & longitude corrected from last permit. New outfall will replace old after construction. Old outfall will serve as emergency backup.

B. Intermittent Discharges. Except for storm runoff, leaks, or spills are any of the discharges described in Item A intermittent or seasonal?

☐ Yes (Complete the following table) ☒ No

Outfall Number	Period of Discharge	Frequency	Duration

II. Treatment Works Information

(All treatment works must complete Part II. The treatment works includes the collection system and treatment plant.)

A. Population. List the municipalities or areas served (municipalities and unincorporated service areas). Also, list their populations or total population served. (Attach additional pages as needed)

Municipality or Area	Population Served
Lima, Ohio	47,000
Total Population Served:	47,000

B. Collection System

1. Indicate the type(s) of collection system(s) tributary to this treatment plant; check all that apply. Also estimate the percent contribution (by miles) of each.

<u>X</u>	Separate Sanitary Sewer	<u>45</u> %
<u>X</u>	Combined Storm and Sanitary Sewer	<u>55</u> %

2. Are you responsible for maintenance of the entire collection system tributary to the treatment plant?

 Yes X No (List entities who are responsible for the collection system below)

3. Total number of lift stations in your collection system.

<u>29</u>	Separate Sanitary
<u>1</u>	Combined Storm and Sanitary

4. Does your collection system have bypasses or overflows? (Do not include CSOs)

 X Yes No

If yes, are the overflows or bypasses:

- ☒ a. at locations specifically constructed to provide hydraulic relief to the collection system
- ☒ b. unintentional and beyond the reasonable control of the operator

For the overflows or bypasses that are "specifically constructed", complete the following table.

[illegible]

Latitude/Longitude Data Comments: _____

5. List source(s) of water supply that services the entire collection system. *(Attach additional pages as needed)*

Source Type	Source Location	Owner
	see schedule II B 5	

C. Inflow and Infiltration

1. Estimate the current average inflow and infiltration flow rate in gallons per day (gpd) for the sewerage system:

200,000 gpd

2. Briefly explain any steps underway or planned to minimize inflow and infiltration. (Attach additional pages as needed)

- D. Flow.** Indicate the design influent flow rate of your treatment plant. Also provide the annual average daily flow rate for each of the last three years (mgd to three decimal places).

1. Design daily influent flow rate: 18,500 mgd

Two Years AgoLast YearThis Year2. Annual average daily flow rate: 13.220 14.080 16.880 mgd

3. How was flow rate determined?

 Parshall Flume Weir X Venturi Electromagnetic Sonic Estimate Other4. Location where flow rate was measured: secondary effluent

5. Are there current or expected plans to expand the existing treatment plant capacity during the life of the permit?

 X Yes (Provide details on expansion on separate page) No**E. Treatment System Description** (Attach additional pages as needed)1. Give the approximate year of the treatment plant construction: 19312. Give the approximate year of the treatment plant last major modification: 20103. List all treatment units at the treatment plant. Do not include units for treating sewage sludge.

Treatment Code (See Instructions)	Treatment Type	Manufacturer (if known)
02	bar screen	Vulcan
03	grit removal	DORR OLIVER detritors
05	scum removal	Eimco-Vaughan
08	primary sedimentation	Eimco-Vaughan/Ovivo-Whemco
22	activated sludge-conventional	Spencer-Environmental Dynamics-INC
39	secondary clarification	Ovivo
29	biological nitrification	Eimco
71	chlorination	Watson Marlow Pumps
70	dechlorination	Watson Marlow Pumps
63	polymer addition-primary secondary	Hydra Cell Pumps
64	ferrous chloride-primary	Watson Marlow Pumps

4. Does this treatment plant have provisions for bypassing untreated or partially-treated wastewater?

 X Yes (Complete the following table) No

Bypass Location	Station Number (if applicable)	Bypass Type	Number of times used in last year
plant by-pass	057	external	0
secondary by-pass	602	internal	0
tertiary by-pass	603	internal	40

5. Does your treatment plant have backup generators or other provision(s) to allow operation and/or treatment to continue during power outages?

 X Yes No

6. Provide a line drawing showing the wastewater flow through the treatment plant, including all bypass piping.

F. Treatment Operations

Schedule II 6 Before Construction
Schedule II 6 After Construction

1. Number of employees at the treatment works

28 Collection system 8 hr/day 5 days/wk
17 Treatment plant 24 hr/day 7 days /wk

2. Name and certification of person in responsible charge of the treatment works.

Russell C. Bales WW-4-1007064-09

3. Name and certification of person in responsible charge of each collection system tributary to the treatment plant (if known). (Attach additional pages as needed)

Russell C. Bales WW-4-1007064-09
Larry Huber WC2-1013482-99

4. Does the treatment works (collection system and/or treatment plant) have an Operations and Maintenance Manual?

X Yes (Complete the following table. Attach additional pages as needed.) No

Type	Developed By	Date Developed	Date of Last Modification
treatment	Jones & Henry	August 2013	April 2011

G. Improvements

1. Are you required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions administrative orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

X Yes (Complete the following table. Attach additional pages as needed.) No

Identification of Condition	Outfall Number	Description of Project	Final Compliance Date
		attached form 2A page 4G1	

2. Optional: You may provide information describing any additional water pollution control programs (or other environmental projects which may affect your discharge) that are currently in progress or planned. Indicate the implementation schedule for the programs.

III. Combined Sewers System Information *(Attach additional pages as needed)*

A. Does the treatment works have CSOs in the collection system?

☒ Yes *(Complete the following table for each CSO)*

☐ No

Outfall Number	Description	Latitude			Longitude			Receiving Water
		Deg.	Min.	Sec.	Deg.	Min.	Sec.	
002	Collett St	40	43	56	84	07	06	Ottawa River
003	Heindel Ave	40	43	58	84	07	01	Ottawa River
004	McDonel Ave	40	44	02	84	06	37	Ottawa River
005	Central Ave	40	44	10	84	06	09	Ottawa River
006	Lover's Lane	40	44	25	84	05	36	Ottawa River
007	S. Central/Ottawa River	40	44	10	84	06	08	Ottawa River

Latitude/Longitude Data Comments: Lat/Long obtained from USGS

B. **System Evaluation.** List below studies that have been performed of the combined sewer collection system since the last permit application. Include modeling studies, hydraulic studies, past monitoring efforts, facility plans, etc.

Date	Title/Description	Author
	Combined System Overflow	MWH
01/01/2005	Upstream Regulator Project	MWH
01/31/2009	Real time control feasibility	MWH/BPR

IV. Industrial Users Information

A. **Number of Industrial Users.** Provide the number of each of the following types of industrial users that discharge to this treatment works.

1. Number of Industrial Users: 24

2. Number of non-categorical significant industrial users (SIU): 4

3. Number of categorical industrial users: 10

B. **Average Daily Flow from all Industrial Users.** Estimate the total average daily wastewater flow from all industrial users.

1. All industrial users: 0.240 mgd

2. Non-categorical SIUs only: 0.13 mgd

3. Categorical industrial users only: 0.10 mgd

C. **Pretreatment Program.** Does this POTW have an approved pretreatment program? ☒ Yes ☐ No

If no, does this POTW have technically-based local limits? ☐ Yes ☐ No

V. Remediation Waste Clean Up Information

A. RCRA/CERCLA/BUSTR/VAP Wastes. Does the treatment works currently receive (or is it expected during the life of the permit to receive) RCRA hazardous waste, CERCLA (Superfund) site remediation waste, RCRA corrective action waste, BUSTR waste or VAP waste?

_____ Yes (Complete the following table. Attach additional pages as needed.)

☒ No

Type of Action	Waste Origin	Waste Description

VI. Contract Laboratory Information

A. Contract Laboratory Analysis Information. Are any of the analyses used to obtain effluent quality information or toxicity test data performed by a contract laboratory or consulting firm?

☒ Yes (Complete the following table. Attach additional pages as needed.)

_____ No

Name	Address	Telephone Number	Pollutants Analyzed
see schedule VI question A			

VII. Biological Toxicity Test Data

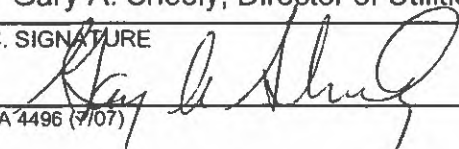
POTWs with a design flow rate greater than 1 mgd or POTWs with an approved pretreatment program must provide the results of whole effluent biological toxicity tests for acute or chronic toxicity for each discharge. The tests must have been performed during the last three years and must have followed Ohio EPA testing protocol. **See instructions for minimum test requirements.**

Is a Whole Effluent Biological Toxicity Test being submitted? ☒ Yes _____ No

If answered *no* above, but required to submit, provide explanation:

VIII. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME AND OFFICIAL TITLE (type or print) Gary A. Sheely, Director of Utilities	B. PHONE NO. (area code & no.) (419) 221-5294
C. SIGNATURE 	D. DATE SIGNED 7-28-2014

City of Lima's SSO Data

REV
JUL 31 2014
OHIO E.P.A.
N.M.D.O.

EPA ID #	Discharge Point Location	LONGITUDE			LATITUDE			RECEIVING STREAM	TREATMENT DESCRIPTION
		Deg	Min	Sec	Deg	Min	Sec		
2PE00000046	MH#19 at Lost Creek Golf Course	84	04	37	40	44	10	Lost Creek	n/a
2PE00000047	MH#14 at Lost Creek Golf Course	84	04	25	40	44	39	Lost Creek	n/a
2PE00000029	700 S. Glenwood	84	07	44	40	44	35	Dug Run Ditch	n/a
2PE00000028	West side of Pears Ave. at Kunneke Ave.	84	08	08	40	44	24	Dug Run Ditch	n/a
2PE00000027	Lakewood Ave. & Maplewood Drive	84	08	27	40	44	40	Dug Run Ditch	n/a
2PE00000026	516 S Pears	84	08	04	40	44	44	Dug Run Ditch	n/a
	418 S Pears (MH 0-10)	84	08	02	40	44	55	Dug Run Ditch	n/a
2PE00000025	418 S Pears (MH 0-9)	84	08	02	40	44	57	Dug Run Ditch	n/a
2PE00000023	235 S Pears	84	07	44	40	44	21	Dug Run Ditch	n/a
2PE00000024	1938 W Elm	84	08	25	40	44	25	Dug Run Ditch	n/a
2PE00000030	Wales Ave. at Primrose Place	84	08	59	40	44	20	Dug Run Ditch	n/a
2PE00000031	S. Cable Rd. at Lakewood Ave.	84	09	40	40	44	48	Dug Run Ditch	n/a
2PE00000032	S. Cable Rd. at Wendell Ave.	84	09	38	40	44	58	Dug Run Ditch	n/a
2PE00000052	2800 Koop Road Lift Station	84	09	14	40	44	20	Carpenter's Ditch	n/a
2PE00000022	Dale Dr. & Idlewild Dr.	84	08	59	40	44	22	Dug Run Ditch	n/a
2PE00000020	380 N Dale Dr	84	08	29	40	44	33	Dug Run Ditch	n/a
2PE00000021	Dale Dr. & West Wayne St.	84	08	22	40	44	39	Dug Run Ditch	n/a
2PE00000018	University Ave. & Dale Dr.	84	08	19	40	44	55	Dug Run Ditch	n/a
	Columbia at Allentown (SE of intersection)	84	08	49	40	44	31	Dug Run Ditch	n/a
2PE00000051	1379 N. Cable Road Lift Station	84	08	50	40	44	35	Dug Run Ditch	n/a
2PE00000050	1700 Allentown Road Lift Station	84	07	24	40	44	09	Dug Run Ditch	n/a
	Rosedale at Ellison	84	08	04	40	45	38	Dug Run Ditch	n/a
	Woodlawn at Ellison	84	08	22	40	45	48	Dug Run Ditch	n/a
2PE00000017	Woodlawn Ave. & Feehan Ave.	84	08	09	40	45	51	Dug Run Ditch	n/a
2PE00000010	Northwold St. & O'Connor Ave.	84	07	38	40	45	48	Pike Run Ditch	n/a
2PE00000049	1330 Melrose Ave.	84	07	50	40	45	04	Pike Run Ditch	n/a
	1327 Northwold	84	07	36	40	45	03	Pike Run Ditch	n/a
2PE00000042	Metcalf St. & Lane Ave.	84	07	62	40	48	43	Pike Run Ditch	n/a
2PE00000044	Metcalf St. & Ford Ave.	84	07	50	40	48	53	Pike Run Ditch	n/a
	Burch & Ford	84	07	28	40	48	55	Pike Run Ditch	n/a
2PE00000046	2032 Burch Ave.	84	07	54	40	48	43	Pike Run Ditch	n/a
2PE00000045	Burch Ave. & Lewis Ave.	84	07	45	40	48	27	Pike Run Ditch	n/a
2PE00000043	Metcalf St. & Lewis Blvd.	84	07	57	40	48	23	Pike Run Ditch	n/a
2PE00000041	Cella Place & Northern Ave.	84	07	25	40	46	15	Pike Run Ditch	n/a
2PE00000039	Karen St. & Lewis Blvd. (N)	84	07	17	40	48	35	Pike Run Ditch	n/a
2PE00000038	Karen St. & Lane Ave	84	07	10	40	48	45	Pike Run Ditch	n/a
2PE00000056	West Street Lift Station	84	07	51	40	46	37	Pike Run Ditch	n/a
2PE00000053	1640 Harding Hwy (Lost Creek Lift Station)	84	05	40	40	44	37	Lost Creek	n/a
2PE00000040	Karen St. & Lewis Blvd. (S)	84	07	03	40	46	23	Pike Run Ditch	n/a
2PE00000055	550 Northern Avenue Lift Station (Northland)	84	07	38	40	46	36	Pike Run Ditch	n/a
2PE00000054	255 N. Mumaugh Road Lift Station	84	02	24	40	45	50	Lost Creek	n/a
2PE00000019	University Ave. & Cornell Dr.	84	08	38	40	44	42	Pike Run Ditch	n/a

ATTACHMENT II B.5

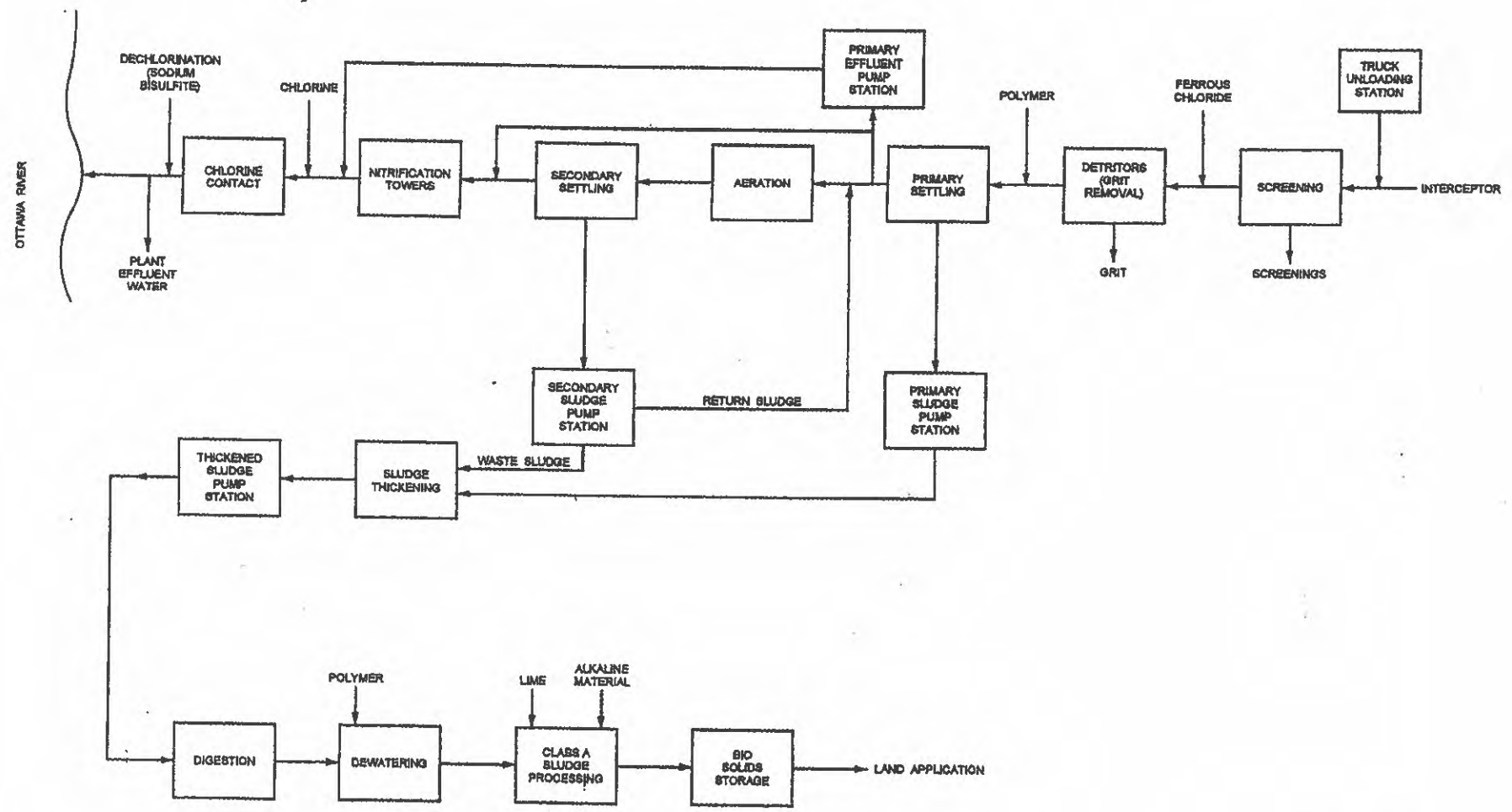
<u>DESCRIPTION</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>	<u>OWNER</u>
Auglaize Pump St	40 43' 45" N	84 18' 01" W	City of Lima
Bressler Pump St	40 43' 47" N	84 13' 42" W	City of Lima
Bressler Inlet	40 43' 51" N	84 13' 44" W	City of Lima
Bressler Outlet	40 43' 48" N	84 14' 29" W	City of Lima
Lost Crk Pump St	40 44' 54" N	84 03' 57" W	City of Lima
Lost Crk Inlet	40 44' 41" N	84 03' 56" W	City of Lima
Lost Crk Outlet	40 44' 41" N	84 03' 54" W	City of Lima
Metzger Pump St	40 45' 06" N	84 02' 58" W	City of Lima
Metzger Inlet	40 44' 38" N	84 02' 56" W	City of Lima
Metzger Outlet	40 44' 29" N	84 03' 18" W	City of Lima
Ferguson Inlet	40 44' 39" N	84 02' 32" W	City of Lima
Ferguson Outlet	40 43' 57" N	84 02' 41" W	City of Lima
Auglaize Inlet Pump# 2	40 44' 0.5" N	84 15' 38" W	City of Lima
Auglaize Outlet Pump# 2	40 43' 48" N	84 14' 37" W	City of Lima
Aug River Pump Station #2	40 43' 46" N	84 18' 01" W	City of Lima

Ohio EPA Form 2A Question D5

The city is in the final stages of developing a long term control plan (LTCP) with the US and Ohio EPA. The Headworks is under development and is listed as a project in our present NPDES permit to be completed at the Lima Wastewater Plant. The PTI is being finalized and will be submitted before August 1, 2014. The wet weather capacity will be increased from 53mgd to 70mgd. The Headworks upgrade will include:

four new screens, grit removal system replacement, four new primary tanks, split weather treatment utilizing the nitrification towers and enhancing the disinfection system at the Lima WWTP. The construction is scheduled to begin February 2015.

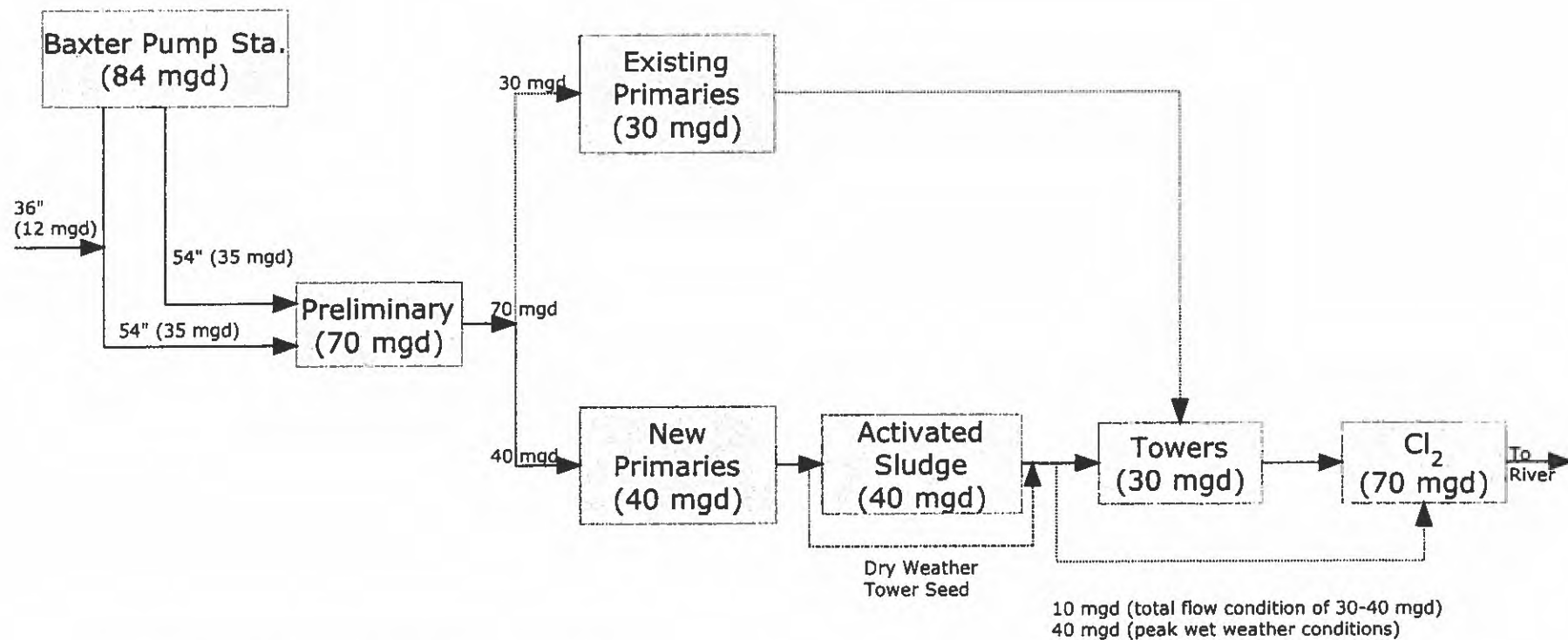
II E 6 (Before Construction)



TOL-66410420-001
04/03/03 10-402

CITY OF LIMA, OHIO
WASTEWATER TREATMENT PLANT
O & M MANUAL
FLOW DIAGRAM

11 Jones & Henry Engineers, Ltd.
FIGURE 1-2



Notes: All flow rates are peak flow capacity

Legend

- Dry weather flow route
- Peak wet weather flow route
- Tower seed (dry weather only)

II

6

(After Construction)

Part 1 C Schedule

1 Construction schedule for Wet Weather Improvements- Specific Projects to be Implements according to items a and b

- a. Time – critical Lift Station Projects- These include the Allentown Road Pump Station, Cable Road Pump Station, Gloria Avenue Pump Station, Lost Creek Pump Station, Hickory Knoll Pump Station and the Sugar Street Pump Station.
 - I. Construction began June 1, 2014
 - II. Complete Construction as soon as possible, but no later than 24 months from January 1,2013
 - III. Notify Ohio EPA, Northwest District Office, Division of Surface Water within 7 days of completing construction.
- b. Headworks and Primary Clarification Improvements :
 - I. PTI submitted August 1,2014
 - II. Submit a status report on construction contracts as soon as possible, but no later than 36 months from January 1,2013
Contract Manager at Risk – awarded April 29, 2014
 - III. Advertise for construction bid, receive, bids, and award contracts as soon as possible, but no later than 36 months from January 1,2013
 - IV. Commence construction as soon as possible, but no later than 42 months from January 1,2013
 - V. No later than 54 months January 1,2013, submit a status report to the Ohio EPA, Northwest District Office, Division of Surface Water on construction progress and the ability to meet final compliance date.
 - VI. Complete construction as soon as possible, but no later than 66 months January 1,2013
 - VII. Notify Ohio EPA, Northwest District, Division of Surface Water within 7 days of completing construction

Construction Schedule in Future Permits

Ohio EPA permit number 2PE00000*MD expires February 28, 2015. This schedule of Compliance includes items that extend beyond the term of the permit. The requirements of Schedule of Compliance Items 1a. and 1b. Will be included in permit 2PE00000 when it is renewed.

VI Question A

Contract Laboratory Analysis Information

Alloway Testing

1101 N. Cole St

Lima, OH 45801

419/223-1362

Pollutants Analyzed

Nitrate/nitrite, WET testing, metals, mercury, VOC's, priority pollutants, TKN, free CN, bis(2-ethylhexyl) phthalate, oil and grease



State of Ohio Environmental Protection Agency

Ohio EPA Form 2S
Revised 1/07

National Pollutant Discharge Elimination System

Application for Sewage Sludge Use or Disposal *NPDES Form 2S*

Submit this application to the appropriate district office

District Offices

Northeast District • 2110 East Aurora Road • Twinsburg, Ohio • 44087

Northwest District • 347 North Dunbridge Road • Bowling Green, Ohio • 43402

Central District • P.O. Box 1049 • Columbus, Ohio • 43216-1049

Southeast District • 2195 Front Street • Logan, Ohio • 43138

Southwest District • 401 East 5th Street • Dayton, Ohio • 45402

For Agency Use	Facility Name:	Date Received (yy/mm/dd)
	Ohio EPA Permit Number:	Application Number:



Form 2S

NPDES Application for Sewage Sludge Use or Disposal

RECEIVED
JUL 31 2010
OHIO EPA
COLUMBUS

I. General Information

A. Treatment System Description

1. List all treatment units used for collecting, dewatering, storing, or treating sewage sludge:

Treatment Code	Treatment Type	Manufacturer
A5	mechanical dewatering belt presses	Ashbrook
C2	alkaline stabilization	N-viro process
94	anaerobic digestion	
	holding tank storage pad	
C2	landfill	
	contract marketing of sludge	

2. Provide a line drawing that identifies all sewage sludge treatment processes that will be employed during the term of the permit. Attached 25 A2

3. Is this facility a Class I sludge management facility? Class I facilities include POTWs required to have an approved pretreatment program.

☒ Yes ☐ No

4. Process design capacity of the sewage sludge treatment system (gallons of sludge/yr x 8.34 lb/gal x tons/2000 lb x percent solids): 5000 dry tons/yr

5. Date of the sewage sludge treatment system construction or last major modification: 09/01/2010

B. Amount Generated On Site

1. Total sewage sludge generated at your facility for the most recent year: 3431.3 dry tons

2. Do you receive sewage sludge from other generators? ☒ Yes ☐ No

If yes, total received from other generators for the most recent year: 430.49 dry tons

3. Do you receive domestic septage? ☒ Yes ☐ No

If yes, total amount of domestic septage received for the most recent year: 2,221,278 gallons



State of Ohio Environmental Protection Agency

DIVISION OF SURFACE WATER

Page 1
RECEIVED

JUL 31 2004

OHIO EPA
SWD

Antidegradation Addendum

In accordance with Ohio Administrative Code 3745-1-05 (Antidegradation), additional information may be required to complete your application for a permit to install or NPDES permit. For any application that may result in an increase in the level of pollutants being discharged (NPDES and/or PTI) or for which there might be activity taking place within a stream bed, the processing of the permit(s) may be required to go through procedures as outlined in the antidegradation rule. The rule outlines procedures for public notification and participation as well as procedures pertaining to the levels of review necessary. The levels of review necessary depend on the degradation being considered/requested. The rule also outlines exclusions from portions of the application and review requirements and waivers that the Director may grant as specified in Section 3745-1-05(D) of the rule. Please complete the following questions. The answers provided will allow the Ohio EPA to determine if additional information is needed. All projects that require both an NPDES and PTI should submit both applications simultaneously to avoid going through the antidegradation process separately for each permit.

A. Applicant: City of Lima Wastewater Treatment
Facility Owner: City of Lima, Ohio
Facility Location (city and county): Lima, Allen County
Application or Plans Prepared By: Russell C. Bales
Project Name: NPDES Permit Renewal
NPDES Permit Number (if applicable): 2PE00000MD

B. Antidegradation Applicability

Is the application for? (check as many as apply):

- ☐ Application with no direct surface water discharge (Projects that do not meet the applicability section of 3745-1-05(B)1, i.e., on-site disposal, extensions of sanitary sewers, spray irrigation, indirect discharger to POTW, etc.). (Complete Section E)
- ☐ Renewal NPDES application or PTI application with no requested increase in loading of currently permitted pollutants. (Complete Section E, Do not complete Sections C or D).
- ☐ PTI and NPDES application for a new wastewater treatment works that will discharge to a surface water. (Complete Sections C and E)
- ☒ An expansion/modification of an existing wastewater treatment works discharging to a surface water that will result in any of the following (PTI and NPDES): (Complete Sections C and E)
- ▶ addition of any pollutant not currently in the discharge, or
 - ▶ an increase in mass or concentration of any pollutant currently in the discharge, or
 - ▶ an increase in any current pollutant limitation in terms of mass or concentration.

- _____ PTI that involves placement of fill or installation of any portion of a sewerage system (i.e., sanitary sewers, pump stations, WWTP, etc.) within 150 feet of a stream bed. Please provide information requested on the stream evaluation addendum (i.e., number of stream crossings, fill placement, etc.) and complete Section E.
- _____ Initial NPDES permit for an existing treatment works with a wastewater discharge prior to October 1, 1996. (Complete Sections D and E)
- _____ Renewal NPDES permit or modification to an effective NPDES permit that will result in any of the following: (Complete Sections C and E)
 - a new permit limitation for a pollutant that previously had no limitation, or
 - an increase in any mass or concentration limitation of any pollutant that currently has a limitation.

C. Antidegradation Information

1. Does the PTI and/or NPDES permit application meet an exclusion as outlined by OAC 3745-1-05(D) (1) of the Antidegradation rule?

 X Yes (Complete Question C.2)

_____ No (Complete Questions C.3 and C.4)

2. For projects that would be eligible for exclusions provide the following information:

- a. Provide justification for the exclusion.
- b. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.
- c. A description of any construction work, fill or other structures to occur or be placed in or near a stream bed.

3. Are you requesting a waiver as outlined by OAC 3745-1-05(D) (2-7) of the Antidegradation rule?

 X No

_____ Yes

If you wish to pursue one of the waivers, please identify the waiver and submit the necessary information to support the request. Depending on the waiver requested, the information required under question C.4 may be required to complete the application.

4. For all projects that do not qualify for an exclusion a report must accompany this application evaluating the preferred design alternative, non-degradation alternatives, minimal degradation alternatives, and mitigative techniques/measures for the design and operation of the activity. The information outlined below should be addressed in this report. If a waiver is requested, this section is still required.

- a. Describe the availability, cost effectiveness and technical feasibility of connecting to existing central or regional sewage collection and treatment facilities, including long range plans for

sewer service outlined in state or local water quality management planning documents and applicable facility planning documents.

- b. List and describe all government and/or privately sponsored conservation projects that may have been or will be specifically targeted to improve water quality or enhance recreational opportunities on the affected water resource.
- c. Provide a brief description below of all treatment/disposal alternatives evaluated for this application and their respective operational and maintenance needs. (If additional space is needed please attach additional sheets to the end of this addendum).

Preferred design alternative:

Non-degradation alternative(s):

Minimal degradation alternative(s):

Mitigative technique/measure(s):

At a minimum, the following information must be included in the report for each alternative evaluated.

- d. Outline of the treatment/disposal system evaluated, including the costs associated with the equipment, installation, and continued operation and maintenance.
- e. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.
- f. Describe the reliability of the treatment/disposal system, including but not limited to the possibility of recurring operation and maintenance difficulties that would lead to increased degradation.
- g. Describe any impacts to human health and the overall quality and value of the water resource.
- h. Describe and provide an estimate of the important social and economic benefits to be realized through this proposed project. Include the number and types of jobs created and tax revenues generated.
- i. Describe environmental benefits to be realized through this proposed project.
- j. Describe and provide an estimate of the social and economic benefits that may be lost as a result of this project. Include the impacts on commercial and recreational use of the water resource.

- k. Describe the environmental benefits lost as a result of this project. Include the impact on the aquatic life, wildlife, threatened or endangered species.
- l. A description of any construction work, fill or other structures to occur or be placed in or near a stream bed.
- m. Provide any other information that may be useful in evaluating this application.

D. Discharge Information

- 1. For treatment/disposal systems constructed pursuant to a previously issued Ohio EPA PTI, provide the following information:

PTI Number _____
 PTI Issuance Date _____
 Initial Date of Discharge _____

- 2. Has the appropriate NPDES permit application form been submitted including representative effluent data?

_____ Yes (go to E)
 _____ No (see below)

If no, submit the information as applicable under a OR b as follows:

- a. For entities discharging process wastewater attach a completed 2C form.
- b. For entities discharging wastewater of domestic origin attach the results of at least one chemical analysis of the wastestream for all pollutants for which authorization to discharge is being requested and a measurement of the daily volume (gallons per day) of wastewaters being discharged.

- E. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete.

This section must be signed by the same responsible person who signed the accompanying permit application or certification as per 40 CFR 122.22.

Signature *Ray H. Slattery*
 Date 7-28-2014

NPDES Permit Application
Antidegradation C. 2.
NPDES Permit Application Exclusion

Page 1 of 2

- a. Provide justification for the exclusion - OAC 3745-1-05(D)(1)(c) provides an exclusion for an increase in discharge if the increase is due to a CSO elimination or reduction, and it is located on one body of water. The increase flow associated with this permit is directly due to the CSO abatement. The project will increase the wet-weather flow capacity at the wastewater treatment plant (WWTP), thus, increasing the flow at the WWTP but decreasing the flow at the City's CSOs. The WWTP is located at approximately River Mile 37.7, and the CSO main structures are located between River Miles 38.7 and 40.1 of the Ottawa River.
- b. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.
1. Initially, an additional 313 million gallons per typical year of flow will go through the WWTP, during a typical year. This additional flow is strictly due to the increase in the plant's peak wet-weather capacity from 53 mgd to 70 mgd. In the future, an additional 277 million gallons per typical year will be captured in a proposed CSO basin which will also then be sent to the WWTP for treatment. Therefore, ultimately, a total of 590 million gallons per typical year increase will occur at the WWTP. Actual volume will be dependent on characteristics of rainfall events in a specific year.
 2. The estimated increase in discharges for conventional pollutants during a typical year from the WWTP are as follows:

CBOD5	55,000 pounds per year
Suspended Solids	130,000 pounds per year
Phosphorus	2,200 pounds per year
Ammonia	7,600 pounds per year
 3. The above increases in discharges at the WWTP will occur due to the reduction of CSOs from the City's CSO system. It is estimated that the level of reduction will be at least 50 percent for all of the conventional parameters.
 4. The bacterial levels will also be significantly reduced, as this additional flow at the WWTP will receive disinfection, which it has not received in the past. It is also anticipated that the metal levels will be reduced due to the metals that are contained in storm water runoff. It is anticipated that most of the metals will end up in the WWTP sludge.
- c. Description of the construction work, fill, or other structures to occur or be placed in or near a stream bed.
1. The construction work required to enable the plant to increase its peak wet-weather treatment capacity from 53 to 70 mgd include:

New plant influent structure
Expansion of the existing screen building
Replacement of the existing grit system with a new grit system
Replacement of 4 of the existing primary clarifiers with 4 new ones
Installation of the secondary effluent pump station
Modifications to the chlorine contact tanks
New WWTP outfall

2. All construction work will be performed within the existing plant site. The new outfall sewer will result in work adjacent to the existing stream for a new discharge point. A new headwall will be built to replace the existing outfall headwall, which is located just downstream.

C. Pollutant Information. Using the table below, provide data on the pollutant concentrations in sewage sludge from your facility during the previous year.

Laboratory Name: Alloway

Pollutant Name	CAS #	No. of Analyses	Average Concentration (mg/kg)	Maximum Monthly Average Concentration (mg/kg)	Range of Data (Min. - Max.) (mg/kg)	Minimum Detection Level
Arsenic	7440-38-2	12	12.15	23.4	7.2-23.4	0.5
Cadmium	7440-43-9	12	4.72	7.0	3.01-7.0	0.3
Copper	7440-50-8	12	94.2	146.0	69.5-146	0.8
Lead	7439-92-1	12	30.3	44.5	20.5-44.5	1.0
Mercury	7439-97-6	12	0.322	1.02	0.172-1.02	0.10
Molybdenum	7439-98-7	12	24.98	44.7	23.3-44.7	2.0
Nickel	7440-02-0	12	29.2	49.9	23.3-49.9	0.8
Selenium	7782-49-2	12	4.60	8.63	1.31-8.63	0.4
Zinc	7440-66-6	12	204.0	257.0	140-257	1.0

D. Sewage sludge treatment and disposal characteristics. Complete the following to determine the applicability of your facility's sewage sludge use or disposal practices. If you answer yes to any question, you must complete the applicable section. Complete all sections that apply to your facility.

No	Is sewage sludge from your facility hauled to another facility that provides treatment or blending? This section does <u>not</u> apply to sewage sludge hauled to land application or surface disposal sites. (Section II: Shipment Off Site for Treatment)
Yes	Is sewage sludge from your facility applied to the land? This section includes exceptional quality sewage sludge (EQS) and sewage sludge applied to land reclamation sites. (Section III: Land Application of Bulk Sewage Sludge)
No	Is sewage sludge from your facility placed on a surface disposal site? (Section IV: Surface Disposal)
No	Is sewage sludge from your facility fired in a sewage sludge incinerator? (Section V: Incineration)
No	Is sewage sludge from your facility placed on a municipal solid waste landfill? (Section VI: Disposal In a Municipal Solid Waste Landfill)

II. Shipment Off Site for Treatment or Blending

A. Total sewage sludge hauled to all receiving facilities for the most recent year: _____ dry tons

B. Information on off site treatment or blending. Complete this section for each receiving facility *(Attach additional pages as necessary)*

1. Name of facility: _____

2. Facility contact: Name: _____

Title: _____ Phone: _____

3. Facility location: Street: _____

City: _____ State: _____ Zip: _____

4. Total sewage sludge provided to this receiving facility for the most recent year: _____ dry tons

III. Land Application of Bulk Sewage Sludge

A. Land Application Generation Information

1. Total sewage sludge from your facility applied to all land application sites for the most recent year: 3431.3 dry tons
2. Total number of land application sites currently assigned an Ohio EPA site identification number: 0
3. Total acreage of land application sites currently assigned an Ohio EPA site identification number: 0
4. List all counties that you currently (or you expect during the life of the permit to) land apply sewage sludge.

5. Are any land application sites located in states other than Ohio? Yes X No

If yes, describe how you notify the permitting authority for the States where the land application sites are located.

6. Does sewage sludge from your facility meet the ceiling concentration limits in Table 1 of 40 CFR 503.13 and the pollutant concentrations in Table 3 of 40 CFR 503.13? X Yes No

If yes, provide total percentage from Section III A.1 that met the ceiling and pollutant concentrations for the most recent year that was land applied: 100

7. Does sewage sludge from your facility meet the ceiling concentrations in Table 1 of 40 CFR 503.13 but does not meet the pollutant concentrations in Table 3 of CFR 503.13? Yes X No

If yes, provide total percentage from Section III A.1 that met the ceiling concentrations but not the pollution concentrations for the most recent year that was land applied:

8. What percentage of sewage sludge from Section III A.1 (in dry tons per year) is achieved for each pathogen reduction class? 100 Class A Class B

9. Which Pathogen Reduction Alternative is used to achieve the class? (Choose all that apply)

	Class A		Class B
	Thermally Treated Biosolids		Monitoring of Indicator Organisms
X	Biosolids Treated in a High pH- Temp.		PSRP, Aerobic Digestion
	Biosolids Treated in Other Processes		PSRP, Air Drying
	Biosolids Treated in Unknown Processes		PSRP, Anaerobic Digestion
	PFRP, Composting		PSRP, Composting
	PFRP, Heat Drying		PSRP, Lime Stabilization
	PFRP, Thermophilic Aerobic Digestion		Biosolids Treated in a PSRP Equivalent
	PFRP, Beta Ray Irradiation		
	PFRP, Gamma Ray Irradiation		
	PFRP, Pasteurization		
	PFRP, Heat Treatment		
	Biosolids Treated in a PFRP Equivalent		

10. Which Vector Attraction Reduction option is met for the sewage sludge at your facility? (Choose all that apply)

	VAR Option
	Option 1 (Minimum 38 percent reduction in volatile solids)
	Option 2 (Anaerobic process, with bench-scale demo)
	Option 3 (Aerobic process, with bench-scale demo)
	Option 4 (Specific oxygen uptake rate for aerobic digested sludge)
	Option 5 (Aerobic process plus raised temperature)
X	Option 6 (Raise pH to 12 and retain at 11.5)
	Option 7 (75 percent solids with no unstabilized solids)
	Option 8 (90 percent solids with unstabilized solids)
	Option 9 (Injection below land surface)
	Option 10 (incorporation into soil within 24 hours)
	Option 11 (Cover sludge placed on a surface disposal)
	Option 12 (Domestic septage pH adjustment)

B. Spill Contingency Plan. All facilities that land apply sewage sludge are required to have a spill contingency plan.

1. Date spill contingency plan was submitted to Ohio EPA: 02/20/2001
2. Have there been any substantial modifications to the spill contingency plan since it was submitted to Ohio EPA?
 Yes X No

If yes, please submit a copy of the modified spill contingency plan to the appropriate district office.

IV. Surface Disposal

A. Total sewage sludge from your facility placed on all surface disposal sites for the most recent year: 0 dry tons

B. Information on Active Sewage Sludge Units. Complete this section for each active sewage sludge unit.
(Attach additional pages as necessary)

1. Name of facility: _____
2. Facility contact: Name: _____
Title: _____ Phone: _____
3. Facility location: Street: _____
City: _____ State: _____ Zip: _____
4. Total sewage sludge placed on the active sewage sludge unit for the most recent year: _____ dry tons

V. Incineration

A. Total sewage sludge from your facility fired in all sewage sludge incinerators for the most recent year: 0 dry tons

B. Information on Sewage Sludge Incinerators. Complete this section for each incinerator. (Attach additional pages as necessary)

1. Name of facility: _____
2. Incinerator air permit number: _____
3. Facility contact: Name: _____
- Title: _____ Phone: _____
4. Facility location: Street: _____
- City: _____ State: _____ Zip: _____
5. Total sewage sludge from your facility fired in this sewage sludge incinerator for the most recent year:
- _____ dry tons

VI. Disposal in a Municipal Solid Waste Landfill

- A. Total sewage sludge from your facility placed in all municipal solid waste landfills for the most recent year:

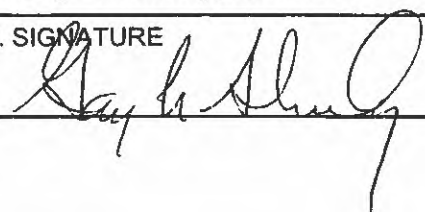
_____ 0 _____ dry tons

- B. **Information on municipal solid waste landfills.** Complete this section for each municipal solid waste landfill.
(Attach additional pages as necessary)

1. Name of facility: _____
2. Facility contact: Name: _____
- Title: _____ Phone: _____
3. Facility location: Street: _____
- City: _____ State: _____ Zip: _____
4. Total sewage sludge from your facility fired in this sewage sludge incinerator for the most recent year:
- _____ dry tons

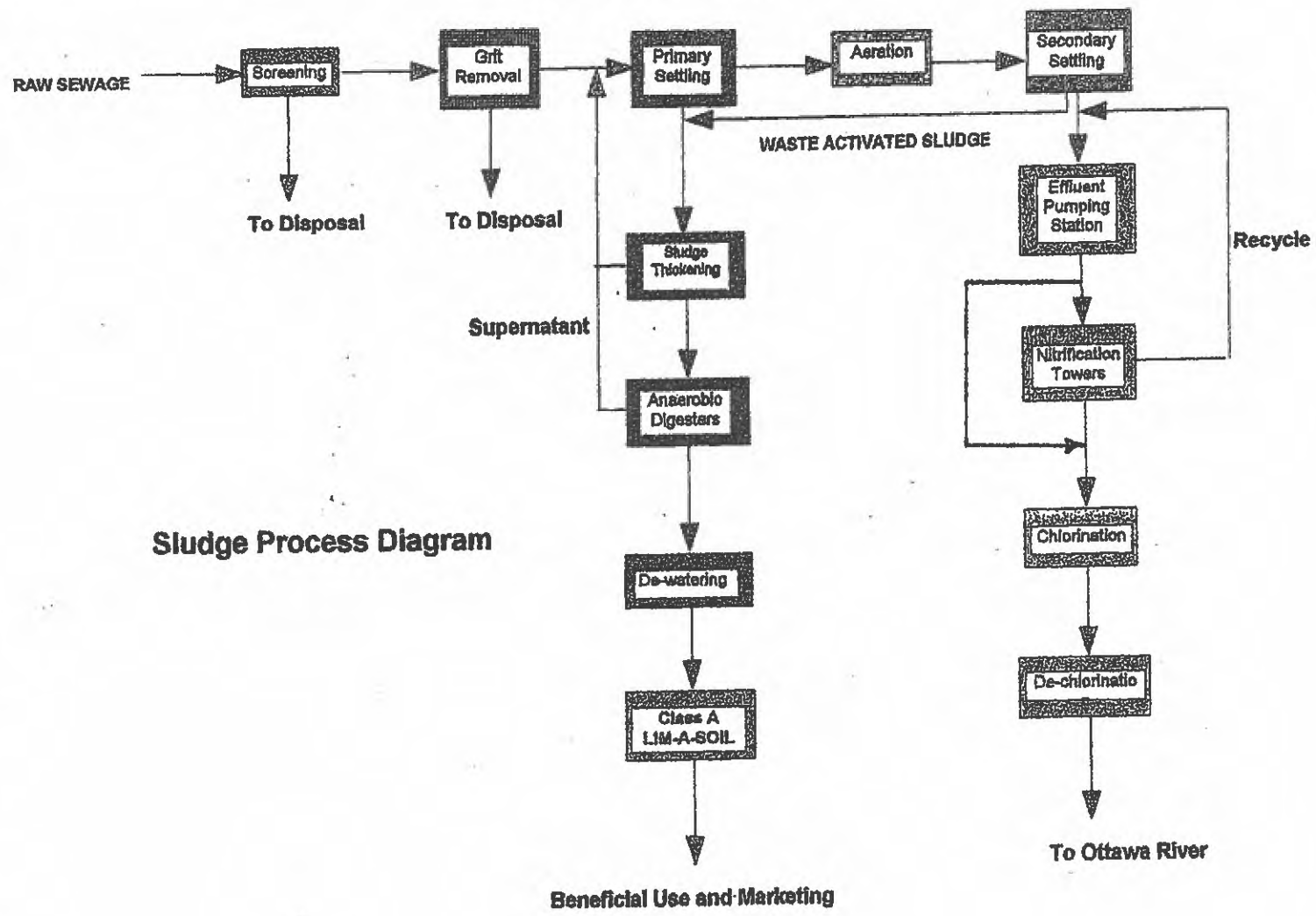
VII. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME AND OFFICIAL TITLE (type or print) Gary A. Sheely, Director of Utilities	B. PHONE NO. (area code & no.) (419) 221-5294
C. SIGNATURE 	D. DATE SIGNED 7-28-2014

25 A 2

Wet Stream Process



Sludge Process Diagram



CITY OF LIMA, OHIO

David J. Berger, Mayor

50 Town Square Lima, Ohio 45801-4900 419/228-5462 Fax 419/221-5214
www.cityhall.lima.oh.us

July 30, 2014

Subject: City of Lima Ohio Wastewater Treatment NPDES Renewal Application

RECEIVED

JUL 31 2014

OHIO EPA
NWDC

Peggy B. Christie
Ohio EPA-Northwest District Office
347 N Dunbridge Rd
Bowling Green, OH 43402-9398

Dear Ms. Christie,

Please find attached the Antidegradation Addendum, EPA form 3510-1, NPDES form 2A, NPDES form 2S, map of Lima WWTP, answers to questions, longitudes and latitudes for overflows of bypasses that are 'specifically constructed', source and location of water supply that services the entire collection system, flow diagram of WWTP pre- construction and post construction, improvements that were scheduled in previous permit, and bio-monitoring data.

Check for \$200.00 is included. Any questions, call me at 419/221-5191 or email me at russell.bales@cityhall.lima.oh.us

Sincerely,

Russell C. Bales
Supervisor
Lima Wastewater Treatment Plant

City of Lima WWTP



Existing WWTP Outfall

Proposed New WWTP Outfall

IFTAMANDA

EPA Form 3510-1(8-90) XI. MAP



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Interim Director

May 02, 2014

RE: Renewal of OEPA Permit No. 2PE00000*MD
App. No. OH0026069
Expiring Feb-28-2015

Lima WWTP
50 Town Square
Lima, OH 45801

Dear Environmental Dept. Representative:

Enclosed is one copy of Form 1, 2A and 2S applications for renewal of your National Pollutant Discharge Elimination System (NPDES) permit. If the facility discharges storm water associated with industrial activity, excluding construction and that wastestream is to be authorized by the renewal permit then you must also submit a Form 2F. If a different form is needed it may be obtained by calling (614) 644-2001 or by going to the Ohio EPA website <http://www.epa.state.oh.us/dsw/permits/npdesform.html>.

In the space provided for "EPA I.D. number" in the application, use the NPDES number, which for your permit, is 2PE00000. File two paper copies of the application with the appropriate Ohio EPA District Office - Northwest District Office 347 N. Dunbridge Road, Bowling Green, OH 43402. Do not file the paper application with the U.S. EPA.

Filing of this application for the NPDES permit does not relieve you of the responsibility of filing applications for other permits that may be appropriate. Regulation requires this application to be signed only by the person authorized as described in the instructions Section B, Form 1. The application must be received by the Ohio EPA no later than 180 days prior to the expiration date of your permit, unless the permit contains an earlier submittal date.

Revised Code 3745.11 requires that a non-refundable application fee of \$200.00 accompany the application. The check should be made payable to the "Treasurer of the State of Ohio".

In order to address issues related to OAC 3745-1-05 (Antidegradation Rule), also complete and submit the enclosed antidegradation addendum.

Should there be any questions regarding this matter, please feel free to contact the Northwest District Office at 419-352-8461.

Sincerely,

Ed Swindall, Supervisor
Permit Processing Unit
Division of Surface Water

Certified Mail
Enclosures: Antidegradation, Form 1, 2A and 2S

cc: DSW- NWDO, Allen County Contact