



**Environmental
Protection Agency**

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Richland County
Village of Lucas WWTP
NPDES Permit

September 19, 2012

Mr. Tim Stallard
Village Administrator
Village of Lucas WWTP
42 Broad Street
Lucas, Ohio 44843

Dear Mr. Stallard:

On August 30, 2012, an inspection was made of the wastewater treatment facilities serving the Village of Lucas located at 42 Broad Street, Lucas, Richland County. You were present during the inspection to answer any questions.

At the time of the inspection, all major components of the treatment system were in operation. The flow equalization tank was empty. A clear final effluent was being discharged to the receiving stream. No major concerns were noted.

A review of your discharge monitoring reports for the period of January 2011 through July 2012 revealed several violations of the limits contained in your National Pollutant Discharge Elimination System (NPDES) permit. A printout of these violations is included for your review. Our office has already received correspondence from you regarding the causes of these violations, and the steps taken to prevent them in the future.

Sincerely,

Walter Ariss, P.E.
Environmental Specialist II
Division of Surface Water

/jim

Enclosures

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY
 OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PB00038

Facility Name Village of Lucas WWTP Expiration Date 5/31/2015

Facility Address 42 Broad St Date 8/30/12 Time 2:00 am/pm

City Lucas County Richland Township _____

Name and Address of Owner _____

Person Contacted Tim Stallard Owner Phone _____

Flow: Design 96,000 GPD Present 400,000 GPD (~~metered~~ estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 73° 54/2

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Rocky Fork Mahican River

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has _____ excellent X good _____ fair _____ poor operation
 b. Plant has _____ excellent X good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent _____ good _____ fair _____ poor maintenance
none

- d. Not operating at expected efficiency due to:
 (1) _____ hydraulic overload
 (2) _____ organic/ solids overload
 (3) _____ personnel inefficiency
 (4) _____ equipment failure
 (5) _____ wastes
 (6) _____

Disinfection: (Required May 1 thru Oct.31.)

IN	OUT
_____	_____
_____	_____
<u>X</u>	_____

Chlorination Tablets
 Dechlorination Tablets
 U.V.

Yes No

4. X _____ Compliance with NPDES Permit

Periodic Violations X Y N Parameters: TSS, CBOD
 Chronic Violations _____

5. X _____ Adequate plant safety

6. X _____ Operation and Maintenance Service Name _____

Frequency of Visits _____

Facility Name: Village of Lucas

Process	# Units	Unit	If Needed - Description and Comments
Preliminary		Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
		Bar Screen	
	X	Comminutor	okay - in service
	X	Flow Equalization	out
Aeration Equipment		Plant Timer <u>Y</u> <u>X</u> N	Cycle Time:
	X	Motor/ Blower Unit <i>running</i>	
Secondary Treatment		Aeration Tank	Color: <i>good color</i> Adequate Aeration: <u>Y</u> <u>X</u> N
	X	Clarifier	<i>very good clarity</i>
Final Settling	X	Sludge Return	In <u>X</u> Out <u> </u>
	X	Surface Skimmer	In <u>X</u> Out <u> </u>
		Fixed Media Clarifier	
		Surface Sand Filter	
Tertiary Treatment <i>none</i>		Polishing Pond	
		Other	
		Chlorine Tube Feeder	
Disinfection		Dechlorination Tube Feeder	
	X	Ultraviolet (UV)	<i>unit working well</i>
		Elapsed Pump Time	
Flow Metering	X	Recorder (continuous total)	<i>new meter since last inspection</i>
	X	Raw Wastewater (type) <i>submersible</i>	<i>okay</i>
Pumps		Sand Filter Effluent Dosing	
	X	Aerated Storage Tank	<i>okay</i>
Sludge Handling		Sludge Drying Bed	
		Municipal POTW	
Sludge Disposal		Landfill	
	X	Land Application	
		Post Aeration	
Advanced Treatment <i>none</i>		Spray Irrigation	
		Other	

Get New Data		Village of Lucas NPDES permit limit violations January 2011 through July 2012						
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PB00038*HD	March 2011	001	00530	Total Suspended Solids	30D Qty	11.0	25.0951	3/1/2011
2PB00038*HD	March 2011	001	00530	Total Suspended Solids	7D Qty	16.0	37.6675	3/1/2011
2PB00038*HD	March 2011	001	00530	Total Suspended Solids	7D Qty	16.0	36.8053	3/8/2011
2PB00038*HD	March 2011	001	00530	Total Suspended Solids	7D Qty	16.0	19.9745	3/15/2011
2PB00038*HD	April 2011	001	00530	Total Suspended Solids	30D Qty	11.0	15.8385	4/1/2011
2PB00038*HD	April 2011	001	00530	Total Suspended Solids	7D Qty	16.0	40.9688	4/1/2011
2PB00038*HD	April 2011	001	00530	Total Suspended Solids	7D Qty	16.0	16.8209	4/22/2011
2PB00038*HD	May 2011	001	00530	Total Suspended Solids	30D Qty	11.0	20.7149	5/1/2011
2PB00038*HD	May 2011	001	00530	Total Suspended Solids	7D Qty	16.0	34.2784	5/1/2011
2PB00038*HD	May 2011	001	80082	CBOD 5 day	30D Qty	9.0	12.2163	5/1/2011
2PB00038*HD	May 2011	001	80082	CBOD 5 day	7D Qty	15.0	15.6075	5/1/2011
2PB00038*HD	May 2011	001	31648	E. coli	30D Conc	126	350.	5/1/2011
2PB00038*HD	May 2011	001	31648	E. coli	7D Conc	284	350.	5/1/2011
2PB00038*HD	May 2011	001	00530	Total Suspended Solids	7D Qty	16.0	18.3118	5/22/2011
2PB00038*HD	May 2011	001	80082	CBOD 5 day	7D Qty	15.0	18.5275	5/22/2011
2PB00038*HD	June 2011	001	00530	Total Suspended Solids	30D Qty	11.0	11.8623	6/1/2011
2PB00038*HD	June 2011	001	00530	Total Suspended Solids	7D Qty	16.0	21.0521	6/1/2011
2PB00038*HD	December 2011	001	00530	Total Suspended Solids	30D Qty	11.0	11.4262	12/1/2011
2PB00038*HD	January 2012	001	00530	Total Suspended Solids	30D Qty	11.0	13.7226	1/1/2012