



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Richland County
Village of Lucas WWTP
NPDES Permit

November 21, 2007

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

Dear Mr. Stallard,

On November 1, 2007, an inspection was made of the wastewater treatment facilities serving the Village of Lucas located at 42 Broad Street, Lucas, Richland County. At the time of the inspection all major components of the treatment system were in operation. The flow EQ tank was 1/4 full. This was due to the influent flow being diverted for a period of time to allow for maintenance of the lift station pumps the previous day. No major concerns were noted.

The influent screening and the main trunk sewer improvements had been completed. The new trunk sewer should help reduce the amount of infiltration into the system as well as improve capacity during high flow events.

A review of your monthly operating reports for the period of March through September 2007 revealed several violations of the limits contained in your NPDES permit. A printout of the violations is enclosed for your review. The CBOD value reported for May 2 was 313 mg/L. This value should be confirmed, and if an error is detected, an amended MOR submitted. An ammonia value of 50 mg/L was reported on August 1. This value should also be confirmed, and if needed, an amended MOR submitted.

If you have any questions please contact me at 419-373-3070.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb

Enclosed

~~pc:DSW-NWDO~~

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

NPDES Permit No. 2PB00038

Facility Name Village of Lucas Expiration Date 4/30/2010
 Facility Address 42 Broad St Date 4/1/07 Time 1:00 am
 City Lucas County Richland Township _____
 Name and Address of Owner _____
 Person Contacted Tim Stallard Owner Phone _____
 Flow: Design 96,000 GPD Present 50,000 - 400,000 GPD (metered - estimated)
 Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 60° sunny
 OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	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 Whelan

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has _____ excellent good _____ fair _____ poor operation
 b. Plant has _____ excellent good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent _____ good _____ fair _____ poor maintenance
no sand filters
 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
_____	_____ Chlorination Tablets
_____	_____ Dechlorination Tablets
_____	<input checked="" type="checkbox"/> U.V.

Yes No
 4. _____ Compliance with NPDES Permit

Periodic Violations Y N Parameters: 755
 Chronic Violations _____ _____

5. _____ Adequate plant safety

6. _____ Operation and Maintenance Service Name _____

Frequency of Visits _____

Facility Name: Lucas WWTP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary		Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
		Bar Screen	
	8	Comminutor	new comminutor working well
	8	Flow Equalization	1/4 full - pump maintenance the day before
Aeration Equipment		Plant Timer <u>Y</u> N	Cycle Time:
	8	Motor/ Blower Unit <i>running</i>	
Secondary Treatment	8	Aeration Tank	Color.: good color Adequate Aeration: <u>Y</u> N
Final Settling	8	Clarifier	Several feet of clarity - some in floe
	8	Sludge Return	In <u>X</u> Out <u> </u> good color
	8	Surface Skimmer	In <u>X</u> Out <u> </u>
		Fixed Media Clarifier	
Tertiary Treatment		Surface Sand Filter	
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	8	Ultraviolet (UV)	pulled the day before
Flow Metering		Elapsed Pump Time	
	8	Recorder (continuous total)	at UV effluent
Pumps	8	Raw Wastewater (type)	one pump out for service, may be getting new GR pumps
		Sand Filter Effluent Dosing	
Sludge Handling	8	Aerated Storage Tank	tank full - working to get on track
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
	8	Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Village of Lucas

NPDES permit limit violations March through Septmeber 2007

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PB00038*GD	March 2007	001	00530	Total Suspended Solids	30D Qty	11	14.8915	3/1/2007
2PB00038*GD	March 2007	001	00530	Total Suspended Solids	7D Qty	16	34.2027	3/15/2007
2PB00038*GD	March 2007	001	00530	Total Suspended Solids	7D Qty	16	18.8822	3/22/2007
2PB00038*GD	May 2007	001	80082	CBOD 5 day	30D Conc	25	80.37	5/1/2007
2PB00038*GD	May 2007	001	80082	CBOD 5 day	7D Conc	40	313.	5/1/2007
2PB00038*GD	May 2007	001	80082	CBOD 5 day	30D Qty	9	39.2461	5/1/2007
2PB00038*GD	May 2007	001	80082	CBOD 5 day	7D Qty	15	154.367	5/1/2007
2PB00038*GD	August 2007	001	00530	Total Suspended Solids	30D Qty	11	17.5394	8/1/2007
2PB00038*GD	August 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	15	50.	8/1/2007
2PB00038*GD	August 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	23	50.	8/1/2007
2PB00038*GD	August 2007	001	00610	Nitrogen, Ammonia (NH3	30D Qty	5.5	19.1142	8/1/2007
2PB00038*GD	August 2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	8.4	19.1142	8/1/2007
2PB00038*GD	August 2007	001	00530	Total Suspended Solids	7D Conc	45	47.	8/22/2007
2PB00038*GD	August 2007	001	00530	Total Suspended Solids	7D Qty	16	67.5111	8/22/2007