



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

May 30, 2008

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

Dear Mr. Stallard,

On May 8, 2008, 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 equalization tank was empty. No major concerns were noted.

During the inspection you indicated that some of the sludge return and skimmer return piping is breaking away from the brackets suspending the pipes above the aeration tanks. You hope to have this problem fixed in the coming months. You also indicated that while the construction of the new trunk sewer had eliminated the problem of surcharging various manholes in town, a large reduction in the amount of inflow and infiltration (I&I) has not been realized. You stated that the Village would continue to address I&I, and will begin looking at the connections from the sewers onto private property as possible sources of I&I.

A review of your discharge monitoring reports for the period of October 2007 through March 2008 revealed several violations of the limits contained in your NPDES permit. A printout of the violations is enclosed for your review. The majority of these violations were for exceeding the total suspended solids limits during February and March. The review also indicated that it appears that you have been reporting the bypasses from the flow EQ tank under the outfall number 300-SSO reporting. All bypasses from the EQ tank should be reported under the 601 station only. The 300 station should only be used for sewer overflows that occur within the collection system; for example, an overflowing manhole or pump station.

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 WWTP Expiration Date 4/30/2010

Facility Address 42 Broad St Date 5/8/08 Time 3:15 am

City Lucas County Richland Township \_\_\_\_\_

Name and Address of Owner Lucas

Person Contacted Tim Stallard Owner Phone \_\_\_\_\_

Flow: Design 96,000 GPD Present Varies greatly GPD (metered - estimated)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 65° cloudy

OEPA Personnel Walker 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 Mohican

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. no filters Sand filters have \_\_\_\_\_ excellent \_\_\_\_\_ good \_\_\_\_\_ fair \_\_\_\_\_ poor maintenance

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.

4.  Yes \_\_\_\_\_ No Compliance with NPDES Permit

Periodic Violations Y N Parameters: TSS, BOD  
 Chronic Violations \_\_\_\_\_

5.  Adequate plant safety

6.  Operation and Maintenance Service Name \_\_\_\_\_

Frequency of Visits \_\_\_\_\_

Facility Name: Lucas WWTTP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary		Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
		Bar Screen	
	8	Comminutor	working fine
	8	Flow Equalization	Out
Aeration Equipment	8	Plant Timer <u>Y</u> <del>N</del> Motor/ Blower Unit <i>running</i>	Cycle Time: 3 blowers, use one at a time
Secondary Treatment	8	Aeration Tank	Color: <i>good color</i> Adequate Aeration: <u>Y</u> <del>N</del>
Final Settling	8	Clarifier	<i>Some p.h. floc, very good clarity</i>
	8	Sludge Return	In <u>8</u> Out <u>    </u>
	8	Surface Skimmer	In <u>8</u> Out <u>    </u>
		Fixed Media Clarifier	
<del>Tertiary Treatment</del>		Surface Sand Filter	
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	8	Ultraviolet (UV)	In
Flow Metering		Elapsed Pump Time	
	8	Recorder (continuous total)	on effluent
Pumps	8	Raw Wastewater (type)	<i>submersible - new pumps since last insp</i>
		Sand Filter Effluent Dosing	
Sludge Handling	8	Aerated Storage Tank	<i>one tank empty latter 1/4 full</i>
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
	8	Land Application	
<del>Advanced Treatment</del>		Post Aeration	
		Spray Irrigation	
		Other	

NPDES permit limit violations

Village of Lucas October 2007 through March 2008

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PB00038*GD	February 2008	001	00530	Total Suspended Solids	30D Qty	11	19.9518	2/1/2008
2PB00038*GD	February 2008	001	00530	Total Suspended Solids	7D Qty	16	47.4260	2/1/2008
2PB00038*GD	February 2008	001	00530	Total Suspended Solids	7D Qty	16	17.7505	2/15/2008
2PB00038*GD	March 2008	001	00530	Total Suspended Solids	30D Qty	11	42.1061	3/1/2008
2PB00038*GD	March 2008	001	00530	Total Suspended Solids	7D Qty	16	100.290	3/1/2008
2PB00038*GD	March 2008	001	80082	CBOD 5 day	30D Qty	9	16.2023	3/1/2008
2PB00038*GD	March 2008	001	80082	CBOD 5 day	7D Qty	15	36.4692	3/1/2008
2PB00038*GD	March 2008	001	00530	Total Suspended Solids	7D Qty	16	17.5400	3/8/2008
2PB00038*GD	March 2008	001	00530	Total Suspended Solids	7D Qty	16	36.5631	3/15/2008