



Environmental
Protection Agency

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

Re: Richland County
Village of Lucas WWTP
NPDES Permit

February 4, 2011

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

Dear Mr. Stallard:

On January 27, 2011, 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 May through December 2010, revealed no violations of the limits contained in your NPDES permit. We are pleased to see that the treatment plant met all of the effluent limits during this time period.

As stated on page 13, Part II, paragraph R, of your NPDES permit, the Village is required to erect a sign at the outfall from the treatment plant. Please refer to the permit for the sign requirements. This sign should have been erected by October 1, 2010. The sign shall be completed and installed within 30 days of receipt of this letter.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/llr

Enclosure

pc: ↪ DSW-NWDO w/enclosure

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 47 Lucas Perryville Rd Date 1/27/11 Time 10:30 am

City Lucas County Richland Township _____

Name and Address of Owner _____

Person Contacted Tim Stallard Owner Phone _____

Flow: Design 96,000 GPD Present 40,000-80,000 GPD dry weather (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 30° clouds

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 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. 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. |

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: _____
 Chronic Violations _____ N _____

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: |
| | 2 | Bar Screen | back up |
| | 2 | Comminutor | okay |
| | | Flow Equalization | |
| Aeration Equipment | 2 | Plant Timer <u>Y</u> N Motor/ Blower Unit <i>running</i> | Cycle Time: <i>two aeration one EQ</i> |
| Secondary Treatment | 2 | Aeration Tank | Color: <i>good color</i> Adequate Aeration: <u>Y</u> N |
| Final Settling | 2 | Clarifier | <i>great clarity</i> |
| | 2 | Sludge Return | In <u>2</u> Out <u> </u> |
| | 2 | Surface Skimmer | In <u>2</u> Out <u> </u> |
| | | Fixed Media Clarifier | |
| Tertiary Treatment <i>none</i> | | Surface Sand Filter | |
| | | Polishing Pond | |
| | | Other | |
| Disinfection | | Chlorine Tube Feeder | |
| | | Dechlorination Tube Feeder | |
| | 2 | Ultraviolet (UV) | <i>out for season</i> |
| Flow Metering | | Elapsed Pump Time | |
| | 2 | Recorder (continuous total) | <i>after UV</i> |
| Pumps | 2 | Raw Wastewater (type) | <i>okay</i> |
| | | Sand Filter Effluent Dosing | |
| Sludge Handling | 2 | Aerated Storage Tank | <i>okay - did not haul in 2010</i> |
| | | Sludge Drying Bed | |
| Sludge Disposal | | Municipal POTW | |
| | | Landfill | |
| | 2 | Land Application | |
| Advanced Treatment | | Post Aeration | |
| | | Spray Irrigation | |
| | | Other | |