



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

September 26, 2013

RE: MEDINA COUNTY  
LAFAYETTE TOWNSHIP  
LAFAYETTE MARKET  
(PERMIT NO. 3PR00583)

Mr. Harry Singh, Owner  
Lafayette Market  
6392 Lafayette Road  
Medina, OH 44256

Dear Mr. Singh:

On August 27, 2013, this writer conducted a compliance evaluation inspection (CEI) on the wastewater treatment plant (WWTP) serving the Lafayette Market. The Lafayette Market is located at 6392 Lafayette Road, Lafayette Township, Medina County.

The purpose of the inspection was to evaluate the WWTP's operation and maintenance condition, and its compliance with the terms and conditions of the recently effective National Pollutant Discharge Elimination System (NPDES) Permit to discharge (Permit # 3PR00583\*AD).

At the time of the August 27<sup>th</sup> inspection, the following observations were made:

- 1) Contents of the trash trap were acceptable, and not in need of being pumped.
- 2) The 1,500 gpd extended aeration tank contents were almost colorless, and were well aerated. The return sludge line was operating, returning an almost colorless water from the settling tank to the aeration tank. The organic loading in the aeration tank is extremely low, as the almost colorless contents of the tank should be a chocolate brown. **Consideration should be given to "seeding" the Lafayette Market WWTP, with wastewater from another WWTP, to introduce a source of organic matter to your plant.**
- 3) Two blower/motor combinations provide air to the extended aeration tank. At the time of the inspection, one of the aeration tank blower/motors was in operation. The high air pressure relief valves were operational, and both blower/motors had relatively new drive belts.
- 4) Contents of the settling tank were clear several inches down, and no solids or sludge blanket was observed. **The settling tank effluent trough contained clear water, but did have a slight solids deposition on the bottom, which should be scrubbed clean.**
- 5) The settling tank skimmer was operating, returning clear water to the aeration tank from the settling tank. **The skimmer in the settling tank should be raised to approximately ¼" below the surface of the water.**

- 6) Both of the sand filter dosing pumps were set in the 'AUTO' mode, but Pump No. 2 did not operate when manually tested. The high water level alarm also did not function when manually tested. **Pump No. 2, and the high water level alarm, need to be made operational.**
- 7) The west cell of the 80 ft<sup>2</sup> surface sand filter was dosed when the pumps were manually tested. Sand in both the east and west filter cells was free of vegetative growth and solids, and was raked level.

**The sand filter distribution box is severely cracked by the west cell dosing pipe, and needs to either be repaired or replaced (see photo).**



- 8) Both the tablet chlorination and tablet dechlorination units are two tube units. Both units contained two tubes and tablets, but one cap was missing from a dechlorination tablet tube. **The missing tube cap should be replaced as soon as possible.**

- 9) Treated effluent from the WWTP is discharged to a 10,000 ft<sup>2</sup> on-site pond.

The NPDES permit (3PR00583\*AD) for the Lafayette Market went effective February 1, 2013. Beginning March 2013, monthly operating reports/data were to be submitted to the Ohio EPA on a monthly basis. It is noted that submittal of NPDES permit-required monthly operating reports for the facility commenced with the April 2013 report.

A review of the electronic Discharge Monitoring Reports (eDMR's) which were submitted to the Ohio EPA for the Lafayette Market WWTP, commencing April 2013, found the following reporting frequency violations for the facility:

**LAFAYETTE MARKET  
 NPDES NO. 3PR00583  
 REPORTING FREQUENCY VIOLATIONS  
 (FEB. 1, 2013 – SEPT. 25, 2013)**

| Reporting Period | Parameter                 | Sample Frequency | Expected | Reported | Violation Date |
|------------------|---------------------------|------------------|----------|----------|----------------|
| August 2013      | Total Suspended Solids    | 1/Quarter        | 1        | 0        | 8/1/2013       |
| August 2013      | Nitrogen, Ammonia (NH3-N) | 1/Quarter        | 1        | 0        | 8/1/2013       |
| August 2013      | CBOD 5 day                | 1/Quarter        | 1        | 0        | 8/1/2013       |
| August 2013      | Chlorine, Total Residual  | 1/Quarter        | 1        | 0        | 8/1/2013       |
| August 2013      | pH                        | 1/Quarter        | 1        | 0        | 8/1/2013       |
| August 2013      | Dissolved Oxygen          | 1/Quarter        | 1        | 0        | 8/1/2013       |
| August 2013      | E. coli                   | 1/Quarter        | 1        | 0        | 8/1/2013       |

The NPDES permit also requires the WWTP be operated by a licensed Class A (minimum classification) Wastewater Operator. Within 60 days of the NPDES permit effective date (by April 1, 2013), the Agency was to have been notified of the designated operator's name and license number, by the submittal of the Operator of Record (ORC) Notification Form (EPA 5121). **A search of the ORC data base found no Operator of Record form has been submitted for the Lafayette Market (although it appears Mr. Noah Mayberry has been submitting the eDMR information). Form EPA 5121 is enclosed for your convenience.**

Good operation and maintenance procedures, which will enable the Lafayette Market WWTP to meet its NPDES Permit effluent limits on a consistent basis, need to be practiced. **Those maintenance items outlined above in bold text need to be addressed immediately.**

**Please contact this office in writing, within 14 days of the receipt of this letter, with the status of the O&M issues, and the name of the WWTP Certified Operator. A follow-up inspection by this office may be conducted to verify the corrections.**

If there are questions or comments regarding the contents of this letter, please contact this office.

Respectfully,



Charles E. Allen  
Environmental Engineer  
Division of Surface Water

CEA/cs

cc: Steve Mazak, Medina County Health Dept.

Enclosure



## Operator of Record (ORC) Notification Form

Ohio Environmental Protection Agency  
 Division of Drinking and Ground Waters  
 Operator Certification Unit  
 50 West Town St, Suite 700  
 P.O. Box 1049  
 Columbus, OH 43216-1049

Phone: (614) 644-2752  
 1- 866 - 411-OPCT (6728)  
 Fax: (614) 644-2909  
 email: opcert@epa.state.oh.us  
 website: www.epa.state.oh.us/ddagw/opcert.html

### I. SYSTEM INFORMATION

Name of System: \_\_\_\_\_ Phone Number: \_\_\_\_\_

PWS ID/NPDES Permit #: \_\_\_\_\_ STU # \_\_\_\_\_ Classification: \_\_\_\_\_

\_\_\_\_\_  
 Name of Facility Owner or Permittee, Title (Print)      Facility Owner or Permittee (Signature)

### II. SYSTEM TYPE (Check only one of the following. Use additional sheets if necessary.)

| Public Water System (PWS) | Distribution System | Treatment Works | Collection System |
|---------------------------|---------------------|-----------------|-------------------|
|                           |                     |                 |                   |

### III. OPERATOR OF RECORD INFORMATION

| Add Additional(A), New (N) or Remove(R) | Name of Operator of Record | Certification Number & Expiration Date | I verify that I am the onsite certified operator responsible for the technical operation of the above referenced facility. (Signature of certified operator)* |
|---|----------------------------|--|---|
|   |                            |  |   |
|   |                            |  |   |
|   |                            |  |   |

\* A signature by an operator of record who is being removed is not required.  
 (Attach additional sheets if necessary.)

Amount of time an ORC spends onsite at the Facility: \_\_\_\_\_

| For Internal Use Only                   |                             |
|---|-----------------------------|
| Reviewed by: _____                      | Date of SDWIS update: _____ |
| Date of Compliance Status Letter: _____ |                             |