

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

July 26, 2013

Mary A. Sampsel, Asst County Engineer/Environmental
Tawa Estates WWTP
233 West 6th Street
Marysville, OH 43040

Re: **Tawa Estates WWTP**
NPDES Permit 4PG00009/ OH0039187
Semi-Public CEI
Union County

Dear Ms. Sampsel:

On July 10, 2013, a Semi-Public CEI was conducted at the Tawa Estates WWTP. Present for the inspection were Bill Narducci, project engineer for Union County Engineer; Mike Galloway, Operator of Record of the plant; and myself of the Ohio EPA, Central District Office, Division of Surface Water.

The purpose of the inspection was to evaluate compliance with the terms and conditions of your NPDES permit and to evaluate the operation and maintenance of the plant.

Findings:

1. Attached are compliance tables between November 2011 and June 2013. The facility has been relatively compliant and has provided a response to each violation.
2. The clarifier weir was full of algae. **Please clean the weir as soon as possible and inform me when completed.**

A response is required after the weir has been cleaned. If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3846 or e-mail at cole.miller@epa.state.oh.us.

Sincerely,

Cole Miller
Environmental Specialist II
Compliance and Enforcement Unit
Division of Surface Water
Central District Office

ec: Cole Miller

CM/nsm Tawa Estates

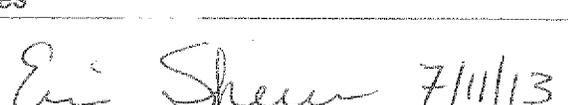
NPDES Compliance Inspection Report

| SECTION A: GENERAL INFORMATION | | | | |
|--------------------------------|------------|-----------------|---------------------|----------------------------|
| Permit # | NPDES # | Inspection Type | Inspector | Facility Type |
| 4PG00009 | OH0039187 | CEI | S | 1 |
| Inspection Date | Entry Time | Exit Time | Notice of Violation | Significant Non-Compliance |
| 7/10/2013 | 11:40 AM | 12:15 PM | No | No |

| SECTION B: FACILITY DATA | |
|---|------------------------|
| Name and Location of Facility Inspected | Permit Effective Date |
| Tawa Estates WWTP | 3/1/2011 |
| | Permit Expiration Date |
| | 2/29/2016 |
| Name(s) and Title(s) of On-Site Representatives | Phone Numbers |
| | |
| Name and Title of Responsible Official | Phone Number |
| Mary A. Sampsel, Asst County Engineer/Environmental | (937) 645-3018 |

| SECTION C: AREAS EVALUATED DURING INSPECTION | | |
|--|--------------------------|------------------------------|
| Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated | | |
| S | NPDES Compliance | |
| S | Operations & Maintenance | |
| U | Facility Site Review | Clarifier weir needs cleaned |
| N | Collection System | |
| S | Flow Measurement | |
| S | Receiving Waters | |
| N | Laboratory | |

Comments:

| Signatures | |
|--|--|
|  7/11/13 |  7/11/13 |
| Cole Miller, Inspector Compliance & Enforcement Division of Surface Water Central District Office | Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water Central District Office |

Compliance Data for Tawa Estates WWTP between 11/1/2011 to 6/1/2013

Summary

Permit Effluent Limit Violations: 6

Permit Effluent Code Violations: 0

Permit Effluent Frequency Violations: 0

Compliance Schedule Milestones Not Entered: 0

| Limit Violations | | | | | | |
|------------------|---------|-------------------------|------------|-------|--------------------------|-------------------------|
| Reporting Period | Station | Parameter | Limit Type | Limit | Reported Violation Value | Reported Violation Date |
| May 2012 | 001 | Total Suspended Solids | 30D Conc | 12 | 14. | 5/1/2012 |
| May 2012 | 001 | E. coli | 30D Conc | 126 | 200. | 5/1/2012 |
| May 2013 | 001 | Total Suspended Solids | 30D Conc | 12 | 13. | 5/1/2013 |
| May 2013 | 001 | Nitrogen, Ammonia (NH3) | 30D Conc | 1.5 | 7.5 | 5/1/2013 |
| May 2013 | 001 | Nitrogen, Ammonia (NH3) | 30D Qty | 0.043 | .04905 | 5/1/2013 |
| May 2013 | 001 | Nitrogen, Ammonia (NH3) | 7D Conc | 2.3 | 7.5 | 5/22/2013 |

Flow Data for Tawa Estates WWTP between 11/1/2011 and 6/1/2013

| | Date | Flows (GPD) |
|--------------------------|------------|-------------|
| Ten Highest Flows | 4/12/2013 | 36288 |
| | 1/27/2012 | 18144 |
| | 1/12/2013 | 13248 |
| | 1/13/2013 | 13248 |
| | 1/14/2013 | 13248 |
| | 11/29/2011 | 9720 |
| | 4/10/2013 | 9720 |
| | 4/11/2013 | 9720 |
| | 1/31/2013 | 8640 |
| | 1/24/2012 | 7992 |
| Average Flow Rate | | 2153 |

| | |
|----------------------------|------------------|
| Method of flow monitoring: | Dosing Pumps |
| Type of alarms for plant: | Remote Telemetry |

SECTION D: PRELIMINARY TREATMENT

| | | |
|---|-------------------------------------|-------------------------------------|
| Type of Preliminary Treatment? Trash Trap | | |
| Does the unit require pumping or cleaning? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Maintenance of preliminary treatment is satisfactory? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Comments/Status: Facility pumps every 6 months.

SECTION E: AERATION

| Color of MLSS? | Brown | | | Yes | No |
|-----------------------------------|-------------------------------------|--------------------------|------------------------|-------------------------------------|-------------------------------------|
| | Yes | No | | | |
| Aeration is taking place | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Plant is septic | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Blowers are operational | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Blowers are on a timer | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Skimmers are operational | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Plant is flooded | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Diffusers are operational | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Grating is present | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sludge return is operational | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Foam present? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Overall maintenance satisfactory? | <input type="checkbox"/> | <input type="checkbox"/> | | | |

Maintenance of aerating equipment is satisfactory

Comments/Status:

SECTION F: CLARIFIERS

| Clarity of water topping weir | Algae made poor visibility | |
|---|-------------------------------------|-------------------------------------|
| | Yes | No |
| Weir is clean? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Weir is in good condition (i.e., level, free of corrosion, etc.)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Is effluent present in weir channel? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Is the sludge blanket visible? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do the clarifier walls need scraping? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Is sludge settling properly? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Overall maintenance of the clarifier is satisfactory? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Comments/Status:

Weir needs to be cleaned.

SECTION G: TERTIARY TREATMENT

| | Yes | No | | Yes | No |
|-----------------------------------|--------------------------|--------------------------|------------------------|--------------------------|--------------------------|
| Surface sand filters: | X | <input type="checkbox"/> | Subsurface/Upflow | <input type="checkbox"/> | X |
| Distribution box operational | X | <input type="checkbox"/> | Beds alternated | X | <input type="checkbox"/> |
| Are filters ponding/flooding | <input type="checkbox"/> | X | Beds raked | X | <input type="checkbox"/> |
| Sand filters overgrown | <input type="checkbox"/> | X | Chlorination present | X | <input type="checkbox"/> |
| UV present | <input type="checkbox"/> | X | Dechlorination present | X | <input type="checkbox"/> |
| Overall maintenance satisfactory? | X | <input type="checkbox"/> | | | |

Frequency of cleaning: Quarterly
 Fixed media upkeep: N/A

Comments/Status:

SECTION H: SLUDGE HANDING / STORAGE DISPOSAL

| | | |
|--|--------------------------|--------------------------|
| Sludge is periodically wasted from what component? | Clarifier | |
| Sludge disposal contractor? | Warner's Liquid Waste | |
| Sludge disposal location? | City of Marysville WRF | |
| | Yes | No |
| Does the WWTP have sludge drying beds? | <input type="checkbox"/> | X |
| Does the WWTP have a sludge holding tank? | <input type="checkbox"/> | X |
| Is the maintenance on the sludge handling unit adequate? | <input type="checkbox"/> | <input type="checkbox"/> |

Comments/Status:
 Facility wastes once a year.

SECTION I: RECORD KEEPING / OPERATOR OF RECORD

| | Yes | No |
|---|--------------|-------------------|
| Operator of Record holds unexpired license of class required by Permit? | X | |
| Has the Operator of Record submitted an ORC Notification form? | X | |
| Copy of certificate of Operator of Record displayed on-site?* | | |
| If a Staffing Reduction plan has been approved, are the stipulations of the plan being met? | | |
| Operator of Record log book provided? | X | |
| Minimum operator staffing requirements fulfilled (OAC 3745-7)? | X | |
| Log book kept onsite (in an area protected from weather)? | X | |
| Log book contains the following: | | |
| Identification of treatment works | X | |
| Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7 | X | |
| Daily record of operator and maintenance activities (including preventative maintenance, repairs and request for repairs, process control test results, etc.) | X | |
| Laboratory results (unless documented on bench sheets) | X | |
| Identification of person making entries | X | |
| Has the Operator of Record submitted written notifications to the permittee, Ohio EPA and, if applicable, any local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred | | |
| Logbook Format | Computer log | Bound book |

Comments/Status:

SECTION J: PLANT DISCHARGE

| | |
|--------------------------|------------------------------|
| Discharge point is: | Directly to receiving stream |
| Discharge is visible: | Yes |
| Name of discharge point: | Ottawa Creek |
| Marker present: | Yes |
| Quality of effluent: | Clear |
| Contract laboratory: | MASI |

Comments/Status