



March 22, 2013

Mike Holmes, Co-Owner
Wyandot Golf Course
3032 Columbus Road
Centerburg, OH 43011

**Re: Wyandot Golf Course
NPDES Permit 4PX00035/ OH0124184
Reconnaissance Inspection
Knox County**

Dear Mr. Holmes:

On March 12, 2013, a Reconnaissance Inspection was conducted at the Wyandot Golf Course. Present for the inspection were you representing Wyandot Golf Course 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. The inspection raised several concerns which must be addressed in the following areas:

NPDES Permit Transfer – The effective NPDES permit has not been transferred to reflect the recent change of ownership. The NPDES permit transfer forms provided to you during the inspection must be completed and returned to this office as soon as possible.

Contract Wastewater Treatment Plant Operator – The operation of the wastewater package treatment plant must be overseen by a licensed wastewater treatment plant operator holding a Class A certification or higher. The licensed operator is required to visit the plant two days a week for a minimum of one hour. Please retain the services of a licensed operator no later than April 1, 2013, and submit documentation to this office once this task is completed. Hiring an operator as soon as possible is imperative to ensure the proper operation and maintenance of the plant as well as the continuity of monitoring and reporting requirements under the NPDES permit.

Mike Holmes, Co-Owner
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Please refer to the Summary of Findings and Comments section of this report for more details on these concerns.

If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3848 or e-mail at mike.sapp@epa.state.oh.us.

Sincerely,

A handwritten signature in black ink that reads "Michael E. Sapp". The signature is written in a cursive style with a long, sweeping underline.

Michael Sapp
Compliance and Enforcement Unit
Division of Surface Water
Central District Office

ec: Michael Sapp

MS/nsm Wyandot GC 13

NPDES Compliance Inspection Report

| SECTION A: NATIONAL DATA SYSTEM CODING | | | | |
|--|------------|-----------------|---------------------|----------------------------|
| Permit # | NPDES # | Inspection Type | Inspector | Facility Type |
| 4PX00035 | OH0124184 | RI | S | Semi-Public |
| Inspection Date | Entry Time | Exit Time | Notice of Violation | Significant Non-Compliance |
| 3/12/2013 | 10:00 AM | 10:35 AM | No | No |

| SECTION B: FACILITY DATA | |
|---|------------------------|
| Name and Location of Facility Inspected | Permit Effective Date |
| Wyandot Golf Course 3032 Columbus Road Centerburg, Ohio 43011 | 11/1/2009 |
| | Permit Expiration Date |
| | 10/31/2014 |
| Name(s) and Title(s) of On-Site Representatives | Phone Numbers |
| Mike Holmes, Co-Owner | (740) 625-5370 |
| Name and Title of Responsible Official | Phone Number |
| Terry Henson & Mike Holmes, Owners | (740) 625-5370 |

| SECTION C: AREAS EVALUATED DURING INSPECTION | | |
|--|--------------------------|---|
| Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated | | |
| U | NPDES Compliance | Failure to transfer NPDES permit. |
| U | Operations & Maintenance | Aeration blowers and dosing pumps not operating properly. |
| N | Facility Site Review | |
| N | Collection System | |
| N | Flow Measurement | |
| N | Receiving Waters | |
| N | Laboratory | |

Comments:

| Signatures | |
|---|--|
|  3/20/13 |  3/21/13 |
| Michael Sapp, 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 Wyandot Golf Course between 10/1/2011 to 2/1/2013

Summary

Permit Effluent Limit Violations: 12
 Permit Effluent Code Violations: 0
 Permit Effluent Frequency Violations: 0
 Compliance Schedule Violations: 0

| Limit Violations | | | | | | |
|------------------|---------|-------------------------|------------|--------|----------------|----------------|
| Reporting Period | Station | Parameter | Limit Type | Limit | Reported Value | Violation Date |
| June 2012 | 001 | Nitrogen, Ammonia (NH3) | 30D Conc | 1.0 | 34.6 | 6/1/2012 |
| June 2012 | 001 | Nitrogen, Ammonia (NH3) | 30D Qty | 0.0038 | .02619 | 6/1/2012 |
| June 2012 | 001 | Fecal Coliform | 30D Conc | 1000 | 10000. | 6/1/2012 |
| June 2012 | 001 | Nitrogen, Ammonia (NH3) | 7D Conc | 1.5 | 34.6 | 6/22/2012 |
| June 2012 | 001 | Nitrogen, Ammonia (NH3) | 7D Qty | 0.0057 | .02619 | 6/22/2012 |
| June 2012 | 001 | Fecal Coliform | 7D Conc | 2000 | 10000. | 6/22/2012 |
| June 2012 | 001 | Chlorine, Total Residu | 1D Conc | 0.038 | .26 | 6/25/2012 |
| August 2012 | 001 | Nitrogen, Ammonia (NH3) | 30D Conc | 1.0 | 7.3 | 8/1/2012 |
| August 2012 | 001 | Nitrogen, Ammonia (NH3) | 30D Qty | 0.0038 | .00553 | 8/1/2012 |
| August 2012 | 001 | Fecal Coliform | 30D Conc | 1000 | 8900. | 8/1/2012 |
| August 2012 | 001 | Nitrogen, Ammonia (NH3) | 7D Conc | 1.5 | 7.3 | 8/22/2012 |
| August 2012 | 001 | Fecal Coliform | 7D Conc | 2000 | 8900. | 8/22/2012 |

Flow Data for Wyandot Golf Course between 10/1/2011 and 2/1/2013

| | Date | Flows (GPD) |
|--------------------------|------------|-------------|
| Ten Highest Flows | 10/1/2011 | 200 |
| | 10/2/2011 | 200 |
| | 10/3/2011 | 200 |
| | 10/4/2011 | 200 |
| | 10/5/2011 | 200 |
| | 10/6/2011 | 200 |
| | 10/7/2011 | 200 |
| | 10/8/2011 | 200 |
| | 10/9/2011 | 200 |
| | 10/10/2011 | 200 |
| Average Flow Rate | | 149 |

ADDITIONAL INFORMATION

Wyandot Golf Course

4PX00035

General

The wastewater treatment plant serving the Wyandot Golf Course has a design treatment capacity of 1,000 gpd with a discharge to a golf course pond which overflows to an unnamed tributary to Culver Creek. Wet stream process provided at the facility include a trash trap, extended aeration, clarification, tertiary dosing tank, tertiary sand filtration and chlorination. The plant is not equipped with flow equalization or sludge holding capabilities. Solids are hauled to another POTW for further processing; solids removed from the sand filters are disposed of in a dumpster.

1. At the time of the inspection, the following general observations were made with respect to the operational practices at the plant:
 - The golf course clubhouse was closed for the season following the sale of the property. The aeration blower was shut off and no discharges from the plant were reported since the course was closed in the Fall.
 - When the blower motor was turned on during the inspection, the aeration tank was black and septic. There appeared to be very little air transfer from the blowers to the aeration tank. I would recommend that the diffusers and air transfer piping be evaluated for leaks. This should be done as soon as possible to ensure that sufficient biomass is built-up before the course is open to the public.
 - Only one of the two aeration blower motors was present; the other blower had been removed from the facility. Two blowers should be provide in the event of equipment failure.
 - A grease trap is installed at the clubhouse; however, very little cooking or food prep is currently being performed.
 - During disinfection season (May 1-October 31), chlorine was being added at the distribution box for the sand filters and dechlorination tablets were added at the chlorine contact tank.

2. The attached table contains a list of NPDES permit violations since the last inspection was conducted in October 2011. Ammonia violations in June and August 2012 were of sufficient magnitude so as to result in the placement of this facility on the Significant Non-compliance list. The previous operator was working to build-up solids inventories in the plant to facilitate compliance with ammonia limits. I would also recommend that insufficient air to the aeration tank be evaluated as a likely source of the ammonia violations.

3. The treatment plant is located on the north side of a large parking in a low lying area adjacent to a pond. During the inspection, run-off from a rain event was observed to be flowing into the lid of the trash trap. I would recommend that a French drain or some other sort of drainage device be installed to direct surface run-off away from the treatment plant.
4. It is imperative that the NPDES permit be transferred from the previous owners to the new owners as soon as possible. The NPDES permit transfer form provided to you during the inspection must be completed and returned to this office.
5. The operation of the wastewater package treatment plant must be overseen by a licensed wastewater treatment plant operator holding a Class A certification or higher. The licensed operator is required to visit the plant two days a week for a minimum of one hour. Please retain the services of a licensed operator no later than April 1, 2013, and submit documentation to this office once this task is completed.
6. The NPDES permit sets forth effluent monitoring requirements and effluent limits at the outfall from the wastewater treatment plant. Effluent sampling is required on a quarterly basis during the months of March, June, August and December. You indicated that you would make every attempt to collect and analyze samples for March. Failure to sample for the required parameters at the required frequencies is a violation of the permit.
7. During the inspection, we discussed the possibility of eliminating the permitted discharge through the installation of a soil-based on-site treatment system. Since the projected flows are expected to be well below 1000 gpd the Knox County Health Department is responsible for the review and approval of an on-site system. To pursue this option, I would encourage you to contact Jim Fridrich at the Knox County Health Department for a preliminary site evaluation. Jim can be reached at (740) 392-2200 ext. 2227.