



John E. Kasich, Governor
Billie Taylor, Lt. Governor
Scott J. Smith, Director

July 11, 2013

Jim Butler, Vice - President
Table Rock Golf Club
3005 Wilson Road
Centerburg, OH 43011

**Re: Table Rock Golf Club
NPDES Permit 4PR00104/ OH0142255
Semi-Public CEI
Knox County**

Dear Mr. Butler:

On June 27, 2013, a Compliance Evaluation Inspection was conducted at the wastewater treatment plant serving the Table Rock Golf Club. Present for the inspection were Brock McGhee from McGhee;s Technical Services 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 effective NPDES permit classifies the plant as a Class I facility requiring three visits per week, for a total of 1.5 hours, by a licensed operator holding a Class I or higher license. I believe this plant should have been classified as a Class A facility. I am willing to exercise enforcement discretion with respect to the Class I requirements as long as the daily visits by the Class A operator include more diligent upkeep and maintenance of the sand filters and chlorination/dechlorination units.

Please refer to the Summary of Findings and Comments section of this report for additional information regarding the inspection. 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

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

c: File Copy
Brock McGhee (2230 James Road Bellville, Ohio 44813)

ec: Michael Sapp

NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING				
Permit #	NPDES #	Inspection Type	Inspector	Facility Type
4PR00104	OH0142255	CEI	S	Semi-Public
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
6/27/2013	9:55 AM	10:15 AM	No	No

SECTION B: FACILITY DATA	
Name and Location of Facility Inspected	Permit Effective Date
Table Rock Golf Club 3005 Wilson Road Centerburg, Ohio 43011	3/1/2009
	Permit Expiration Date
	2/28/2014
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Brock McGhee, Contract Operator	(419) 886-4716
Name and Title of Responsible Official	Phone Number
Jim Butler, Vice - President	(740) 625-6859

SECTION C: AREAS EVALUATED DURING INSPECTION		
Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated		
S	NPDES Compliance	
M	Operations & Maintenance	Poor maintenance of sand filters
S	Facility Site Review	
S	Collection System	
S	Flow Measurement	
M	Receiving Waters	Two effluent violations for fecal coliform
S	Laboratory	

Comments:

Signatures	
 7/2/13	 7/2/13
Michael Sapp, Inspector Compliance & Enforcement Division of Surface Water District Office	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water District Office

Method of flow monitoring:	Hour meters on tertiary dosing unit
Type of alarms for plant:	Audible/visual alarms on dosing station

SECTION D: PRELIMINARY TREATMENT

Type of Preliminary Treatment:	Grass Trap		
Does the unit require pumping or cleaning?		Yes	No
Maintenance of preliminary treatment is satisfactory?		X	<input type="checkbox"/>

Comments/Status:

SECTION E: AERATION

Color (Mn. 10) Light brown					
	Yes	No		Yes	No
Aeration taking place	X	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/>	X
Blowers are operational	X	<input type="checkbox"/>	Blowers are on a timer	X	<input type="checkbox"/>
Skimmers are operational	X	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	X
Diffusers are operational	X	<input type="checkbox"/>	Grating is present	X	<input type="checkbox"/>
Sludge return is operational	X	<input type="checkbox"/>	Foam present?	<input type="checkbox"/>	X
Overall maintenance satisfactory?				X	<input type="checkbox"/>

Comments/Status:

SECTION F: CLARIFIERS

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

Comments/Status:

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	<input type="checkbox"/>	X
Sand filters overgrown	X	<input type="checkbox"/>	Chlorination present	X	<input type="checkbox"/>
UV present	<input type="checkbox"/>	X	Dechlorination present	X	<input type="checkbox"/>
Overall maintenance satisfactory? Maintenance of filters was poor	X	<input type="checkbox"/>			

Frequency of cleaning:
Fixed media upkeep:

Comments/Status:

SECTION H: SLUDGE HANDING / STORAGE DISPOSAL

Sludge is periodically wasted from what component?	Aeration tank		
Sludge disposal contractor?	Yes. On Site Sanitation		
Sludge disposal location?	Hauling to another POTW		
	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:

SECTION I: OPERATOR OF RECORD

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?*		X
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	X	
Logbook Format	Computer log	Bound book

Comments/Status:

SECTION J: PLANT DISCHARGE

Discharge point is:	Field tile to golf course pond
Discharge is visible:	No
Name of discharge point:	Outlet from dechlorination unit.
Marker present:	Yes. At discharge location from golf course property.
Quality of effluent:	Good.
Contract laboratory:	Alloway Labs

Compliance Data for Table Rock Golf Club between 5/1/2011 to 6/1/2013

Summary

Permit Effluent Limit Violations: 2
 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	Date
June 2011	001	Fecal Coliform	30D Conc	1000	6200.	6/1/2011
June 2011	001	Fecal Coliform	7D Conc	2000	5200.	6/22/2011

Flow Data for Table Rock Golf Club between 5/1/2011 and 6/1/2013

	Date	Flows (GPD)
Ten Highest Flows	4/1/2013	5000
	5/19/2011	2000
	7/18/2011	2000
	5/29/2013	2000
	5/4/2011	1000
	5/5/2011	1000
	5/6/2011	1000
	5/7/2011	1000
	5/9/2011	1000
	5/12/2011	1000
Average Flow Rate		598

SUMMARY OF FINDINGS AND COMMENTS

Table Rock Golf Course Wastewater Treatment Plant 4PR00104*BD – OH0142255

The wastewater treatment plant serving the Table Rock Golf Course has a design treatment capacity of 4,000 gpd with a discharge to one or more ponds on the golf course before entering an unnamed tributary to the Otter Fork of the Licking River. The plant serves a golf course and clubhouse. Wet stream process provided at the facility include a trash trap, extended aeration with clarification, a dosing tank, tertiary sand filters, chlorination and dechlorination facilities. Liquid sludge is hauled to another facility for further processing. Water is supplied to the facility by an on-site well.

At the time of the inspection, the following general observations were made with respect to the operational practices at the facility:

1. Alloway Labs is the contract laboratory for all permitted parameters except dissolved oxygen, pH, temperature and chlorine.
2. The trash trap is pumped out twice a year by On-Site Sanitation. A grease trap at the golf course clubhouse is maintained at the same frequency
3. The aeration blowers are operated on timers. Under the current cycle, the blowers are run for approximately 14 hours/day.
4. Jeff Butler, who holds a Class A license, checks the plant daily. Brock McGhee visits the plant twice a month and performs the effluent sampling and any required maintenance or repairs.
5. Flows are estimated using time-elapsed meters on the tertiary dosing pumps.
6. Thirty minute settleability tests are performed once a month to assess solids inventories.
7. A review of the eDMR data from May 2011-May 2013 revealed two NPDES permit violations for fecal coliform. The violations were attributed to an inadequate supply of chlorine tablets in the chlorinator. I would recommend that the daily checks by the Class A operator include visual inspection of the chlorination and dechlorination units.
8. At the time of the inspection, the tertiary sand filters had significant weed growth. These units should be maintained in a weed-free condition to ensure that short circuiting through the filters does not occur. Please note that this deficiency was identified during the previous inspection.

9. The effective NPDES permit classifies the plant as a Class I facility requiring three visits per week, for a total of 1.5 hours, by a licensed operator holding a Class I or higher license. I believe this plant should have been classified as a Class A facility. I am willing to exercise enforcement discretion with respect to the Class I requirements as long as the daily visits by the Class A operator include more diligent upkeep and maintenance of the sand filters and chlorination/dechlorination units. The visits from the Class A operator should also be documented in the operator log book.