



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.ohio.gov

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Marion County
Bumford Road
NPDES Permit

December 14, 2009

Mr. Roger Dietrich
Marion County Sanitary Engineering Dept
222 West Center Street
Marion, OH 43302

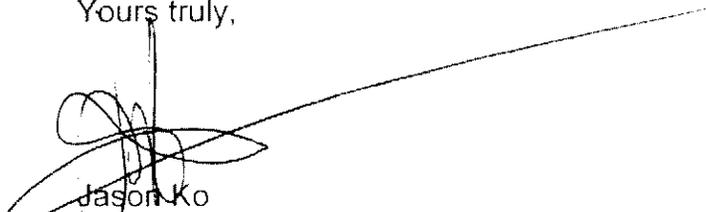
Dear Mr. Dietrich:

On December 2, 2009, an operation and maintenance inspection was made of the wastewater treatment plant serving Bumford Road. The treatment facility is located at 1736 Bumford Road in Big Island Township, Marion County. This inspection was conducted as part of the facility's National Pollutant Discharge Elimination System (NPDES) permit No. 2PG00030*GD.

At the time of the inspection, the treatment facility was in operation and the contents of the aeration tank were brown with good roll. The final discharge from the plant was visually clear. However, we did not collect effluent samples to determine the water quality of the discharge during our visit.

Our review of your discharge monitoring reports (1/1/2008 to 11/1/2009) for this facility indicated a few effluent violations. Please refer to the enclosed violation table. Our completed inspection form is enclosed for your review. If you have any questions or comments please call me at (419) 373-3021.

Yours truly,



Jason Ko
Division of Surface Water

/lb

Enclosures

pc: NWDO File

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION

NPDES Permit No. 2PG00030

Facility Name: Bumford Road WWTP Expiration Date: March 31, 2012

Facility Address: 1736 Bumford Road Date: 12/2/2009 Time: 11:30 am

City: Marion County: Marion Township: Big Island

Name and Address of Owner: Marion County Sanitary Engineer, 222 West Center Street, Marion, OH 43302

Person Contacted: Mr. Craig Woodrum Phone: (740) 389-1526

Flow: Design: 6,000 GPD Present GPD

Trib. Pop. 35 (estimated) Weather at time of inspection: Temp 40°F - Cloudy

OEPA Personnel: Jason Ko District: NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	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: Tributary of Tymochtee Creek

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has excellent X good fair poor operation
 b. Plant has excellent X good fair poor maintenance
 c. Sand filters have excellent X 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.) - N/A

IN OUT
 X Chlorination
 X Dechlorination
 U.V

- | | | | | | | | |
|----|-----------------|-----------------|-----------------------------------|----------------------|------------------------------------|-----------------|-----------------|
| 4. | Yes | No | Compliance with NPDES Permit | Periodic Violations | Yes | No | Parameters |
| | <u> </u> | <u>X</u> | | <u>X</u> | <u> </u> | <u> </u> | <u> </u> |
| 5. | Yes | No | Adequate Plant Safety | Chronic Violation | Yes | No | Parameters |
| | <u>X</u> | <u> </u> | | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| 6. | Yes | No | Operation and Maintenance Service | Name: | <u>Marion County Sanitary Dept</u> | | |
| | <u>X</u> | <u> </u> | | Frequency of Visits: | <u>2/week</u> | | |

Facility Name: Bumford Rd WWTP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: 1/QTR
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment		Plant Timer <u>X</u> <u>Y</u> <u>N</u>	Cycle Time: 1/2 hr "ON" & 1/2 hr "OFF"
	2	Motor/ Blower Unit	
Secondary Treatment	1	Aeration Tank	Color: Brown Adequate Aeration: Y <u>X</u> N <u> </u>
Final Settling	1	Clarifier	With 2 hoppers
	2	Sludge Return	In <u>X</u> Out <u> </u> Returning solids
	1	Surface Skimmer	In <u>X</u> Out <u> </u> Returning clear
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	
		Polishing Pond	
		Other	
Disinfection	Out	Chlorine	
	Out	Dechlorination	
		Ultraviolet (UV)	
Flow Metering	IN	Elapsed Pump Time	Hour meter at dosing pump
		Other	
Pumps		Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	OUT
		Sludge Drying Bed	
Sludge Disposal	IN	Municipal POTW	Haul to Richland Road WWTP
		Landfill	
		Land Application	
Advanced Treatment	IN	Post Aeration	
		Spray Irrigation	
		Other	

Get New Data

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PG00030*GD	March 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	4.5	7.79	3/1/2008
2PG00030*GD	March 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.8	7.79	3/22/2008
2PG00030*GD	March 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.1	.21518	3/1/2008
2PG00030*GD	March 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.15	.21518	3/22/2008