

Re: Marion County
North Quarry Subd.
NPDES Permit

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

 COPY

Dear Mr. Dietrich:

On December 2, 2009, an operation and maintenance inspection was made of the wastewater treatment plant serving the North Quarry Subdivision. The treatment facility is located at 3193 Gooding Road in Pleasant Township, Marion County. This inspection was conducted as part of the facility's National Pollutant Discharge Elimination System (NPDES) permit No. 2PW00004*BD.

At the time of the inspection, the treatment facility was in operation and the content of the aeration tank was 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 one effluent violation. Please refer to the enclosed violation table. Our completed inspection form is enclosed for your review. If you have any questions or comments feel free to call me at (419) 373-3021.

Yours truly,

Jason Ko
Division of Surface Water

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Enclosures

pc: NWDO File

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION

NPDES Permit No. 2PW00004

Facility Name: North Quarry Subdivision Expiration Date: Sept 30, 2010

Facility Address: Owens and Gooding Roads Date: 12/2/2009 Time: 12:15 pm

City: Marion County: Marion Township: Pleasant

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: 20,000 GPD Present 17,000 GPD

Trib. Pop. 80 homes (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: Not Observed

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear		None		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	
_____	<u>X</u>	Chlorination
_____	<u>X</u>	Dechlorination
_____	_____	U.V

- | | | | | | |
|----------|-------|-----------------------------------|---------------------|------------------------------------|------------|
| Yes | No | | Yes | No | Parameters |
| <u>X</u> | _____ | Compliance with NPDES Permit | Periodic Violations | _____ | _____ |
| <u>X</u> | _____ | Adequate Plant Safety | Chronic Violation | _____ | _____ |
| <u>X</u> | _____ | Operation and Maintenance Service | Name: | <u>Marion County Sanitary Dept</u> | |

Frequency of Visits: 2/week

Facility Name: North Quarry Subdivision

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: 1/QTR
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	1	Flow Equalization	With 2 pumps & 1 smaller blower
Aeration Equipment		Plant Timer <u>X</u> <u>Y</u> <u> </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: <u>Y</u> <u>X</u> <u>N</u> <u> </u>
Final Settling	1	Clarifier	With 2 hoppers
	2	Sludge Return	In <u>X</u> Out <u> </u>
	1	Surface Skimmer	In <u>X</u> Out <u> </u>
	2	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	At EQ pumps
		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	

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Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PW00004*BD	May 2008	001	50060	Chlorine, Total Residu	1D Conc	0.038	.341	5/8/2008