



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

Re: Crawford County
Ranchwood MHP
NPDES Permit # 2PY00029

December 7, 2012

Mr. Michael Yoh
4318 East Laurel Ridge Drive
Port Clinton, Ohio 43452

Dear Mr. Yoh:

On November 28, 2012, Michelle Sharp and I conducted an inspection of the wastewater treatment facilities located at 5260 Lincoln Highway East, Bucyrus, Ohio. Mr. John Kincaid from Kincaid Wastewater Services was present to answer questions regarding the operation and maintenance of the wastewater treatment plant (WWTP).

At the time of the inspection, all major components of the facility were in operation and a clear effluent was observed. The aeration tanks had a healthy brown color and were receiving adequate air. The returns were working properly. A proper log book was being maintained at the plant with all required information. The sand filters were in good condition; however, the distribution system to the sand filters caused quite a lot of splashing. I recommend that alternate distribution systems be explored.

A review of your discharge monitoring reports indicates one violation of your permit conditions for E-coli occurred in August. Mr. Kincaid indicated that he believed that this was during a high rain event and most likely due to backflow into the WWTP.

Enclosed is a copy of our inspection report for your records. If you have any questions, please contact Michelle Sharp at (419) 373-3019.

Sincerely,

Peggy B. Christie
Division of Surface Water

/jlm
Enclosure

pc: John S. Kincaid, Kincaid Wastewater Services
Crawford County Health Department
ec: Inspection Tracking

Get New Data		Ranchwood 11-1-11 through 11-1-12						
Permit No	Reporting Period	Station	Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PY00029*CD	August 2012	001	31648	E. coli	7D Conc	362	1990.	8/1/2012

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 150,000 GPD

NPDES Permit No. 2PY00029

Facility Name Ranchwood WWTP Expiration Date 6/30/2016

Facility Location 5260 Lincoln Hwy East Date 11/28/12 Time 10 (am) pm

City Bucyrus, OH County Crawford Township _____

Name of Owner Mr. Michael Yoh Owner Phone (419) 707-2552

Person Contacted John Kincaid Operator of Record John Kincaid (740) 386-3768

Flow: Design 9000 GPD WWTP Classification: A or I

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 31° Sunny

OEPA Personnel Peggy Christie, Michelle Sharp District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
0	None	<input checked="" type="checkbox"/> Clear	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> 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

<input type="checkbox"/>	None	<input type="checkbox"/>	Mild	<input type="checkbox"/>	Moderate	<input type="checkbox"/>	Serious
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3. a. Plant has _____ excellent good _____ fair _____ poor _____ operation
 b. Plant has _____ excellent good _____ fair _____ poor _____ maintenance
 c. Sand filters have _____ excellent good _____ fair _____ poor _____ maintenance- N/A

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)		
IN	OUT	
_____	<input checked="" type="checkbox"/>	Chlorination Tablets
_____	<input checked="" type="checkbox"/>	Dechlorination Tablets
_____	_____	Ultraviolet (U.V.)

Yes No

4. Compliance with NPDES Permit - Time Period: Nov 1, 11 to Nov 1, 12

Periodic Violations One Y N Parameters: e coli

Chronic Violations _____

5. O & M logbook kept and available on site: Location In mail box @ the plant

6. Staffing Requirement Met (Class A - 2 days per week for minimum 1 hour per week)
 (Class I - 3 days per week for minimum 1.5 hours per week)

7. Adequate Plant Safety: Deficiencies _____

Facility Name: Ranchwood WWTP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency <u>2/year - to City of Marion</u>
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	1	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time: <u>1/2 hr on</u> <u>1/2 to 3/4 hr off</u>
		Motor / Blower Unit	
Secondary Treatment	2	Aeration Tank <u>1 large</u> <u>1 small</u>	Color: <u>healthy Brown</u> Adequate Aeration <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Final Settling	1	Clarifier	<u>B</u>
		Sludge Return	In <input checked="" type="checkbox"/> Out
		Surface Skimmer	In <input type="checkbox"/> Out <input checked="" type="checkbox"/> <u>not used at time of insp.</u>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<u>Distribution Piping splashed out -</u>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	<u>N/A for November</u>
		Ultraviolet (UV)	
Flow Metering	<input checked="" type="checkbox"/>	Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	<u>pumped out 2/year</u>
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	<u>City of Marion</u>
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Some ponding on sand filter, but water level did go down by the end of the inspection.