



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

Re: Mercer County
Mercer County Commissioners
NPDES Permit

March 20, 2013

Mr. Kent Hinton
220 West Livingston Street
Suite A 230
Celina, Ohio 45822

Dear Mr. Hinton:

On February 12, 2013, National Pollutant Discharge Elimination System (NPDES) permit compliance inspections were completed at the Mercer County wastewater treatment plants (WWTPs). Ohio EPA representative Ms. Michelle Sharp met with Mr. James Karafit and Mr. Allen Gruss, who provided information about each plant. Our observations and recommendations are below.

West Jefferson

At the time of inspection, the aeration tanks had a healthy brown color and were receiving an adequate amount of air. The returns and skimmers were operating properly. The clarifier had some sludge in the trough, but it was discharging a clear effluent. The up flow clarifiers were discharging a clear effluent. The sand filters were in poor condition. Three were covered with some solids, one was mostly covered with solids, one was flooded, and was one operating properly. The effluent was clear. The log book for the plant was present. It appears that minimum staffing hours are being met.

The pilot study for the sludge aeration is ongoing. Currently, only sludge from the West Jefferson plant is being processed. We look forward to seeing the results once the study concludes.

We are in receipt of the discharge monitoring reports from May 2012 through January 2013. Our review indicates no violations of the terms and conditions of your NPDES permit.

Country Time

The aeration tank had a healthy color and was receiving an adequate amount of air. The skimmer and return were both operating. The clarifier had solids on the surface and the trough needed to be cleaned. The sand filters had some solids and plant growth on them. The effluent appeared clear. The log book for the plant was present. It appears that minimum staffing hours are being met.

We are in receipt of the discharge monitoring reports from May 2012 through January 2013. Our review indicates no violations of the terms and conditions of your NPDES permit.

Montezuma Club Island

In general, both operation and maintenance appeared good. At the time of inspection, the influent was coming into the first lagoon and the plant was discharging from Cell 3. Construction of the fourth lagoon was complete and had been filled with water from the third and first cell. To receive proper treatment, water must receive 180 day's worth of treatment at the plant. By mixing water from Cell 1 and Cell 3, it is possible that the water from Cell 1 may not receive full treatment depending on when the water is released from Cell 4. Please reference the facility's Operation and Maintenance manual for proper operation of the lagoon system.

We are in receipt of the discharge monitoring reports from May 2012 through January 2013. Our review indicates no violations of the terms and conditions of your NPDES permit. Records are being kept as required by your NPDES permit. However, it should be noted that you have missed the first two milestones contained in the compliance schedule of your facility's NPDES permit. Please notify us in writing within 30 days of the date of this letter as to how you will meet these milestones.

Wagner's Subdivision

In general, both operation and maintenance appeared fair. All major treatment components were in operation, and a clear effluent was observed. The mixed liquor in the aeration tanks had good color, but had a lot of foam on the surface. It was receiving an adequate amount of air. The sludge return and skimmer were both operating well. The clarifier had some solids on the surface. The east sand filter was flooded. The west sand filter was in good condition. The log book for the plant was present and it appears that minimum staffing hours are being met.

We are in receipt of the discharge monitoring reports from May 2011 through January 2013. Our review indicates no violations of the terms and conditions of your NPDES permit.

Philothea

In general, both operation and maintenance appeared good. The aerators in the first lagoon were operating. The lagoons were not discharging at the time of inspection. The lagoons will most likely be discharged in mid-March or April. The first lagoon has been tested and found to have about 25% sludge in it. The log book for the plant was present and it appears that minimum staffing hours are being met.

Mr. Kent Hinton
March 20, 2013
Page Three

We are in receipt of the discharge monitoring reports from May 2011 through January 2013. Our review indicates no violations of the terms and conditions of your NPDES permit.

Our completed inspection reports are enclosed for your records. If you have any questions, please call Michelle Sharp at (419) 373-3019.

Sincerely,



Elizabeth A. Wick, P.E.
Environmental Engineer/Section Manager
Division of Surface Water

MS/jlm

Enclosures

pc: Mercer County Health Department
Mr. Jared Ebbing, Mercer County Economic Development

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 150,000 GPD

NPDES Permit No. 2PG00104

Facility Name West Jefferson SD WWTP Expiration Date 1-31-16

Facility Location 4871 SR29 Date 2-12-13 Time 9:00 am/pm

City _____ County Merces Township Jefferson

Name of Owner Merces County Commissioners Owner Phone 419-584-1982

Person Contacted Allen Guss Owner Email _____

Operator of Record Multiple Operator Email _____

Flow: Design 70,000 GPD WWTP Classification: ___ A or X I

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 32° - Cloudy

OEPA Personnel 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	<input type="checkbox"/> Light Solids	<input type="checkbox"/> Musty	<input type="checkbox"/> Grey
3	Serious			
4	Extreme	<input type="checkbox"/> Heavy Solids	<input type="checkbox"/> Septic	<input type="checkbox"/> 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) <u>N/A</u>	
IN	OUT
_____	_____
_____	_____
_____	_____
	Chlorination Tablets
	Dechlorination Tablets
	Ultraviolet (U.V.)

Yes No

4. Compliance with NPDES Permit - Time Period: 5/2012 to 2/2013

Periodic Violations Y N Parameters: _____

Chronic Violations _____

5. O & M logbook kept and available on site: Location Shed

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: West Jefferson

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency As Needed Mike Sanitation
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	X	Flow Equalization	
Aeration Equipment		Plant Timer <u>X</u> Y ___ N	Cycle Time:
	X	Motor / Blower Unit	Always On
Secondary Treatment	X	Aeration Tank	Color: Good Adequate Aeration Y X N
Final Settling	X	Clarifier	OK. Sludge in trough
	X	Sludge Return	In X out Good Color
	X	Surface Skimmer	In X out
	X	Fixed Media Clarifier	Good
Tertiary Treatment	X	Surface Sand Filter	See letter
		Polishing Pond	
		Other	
Disinfection	X	Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	X	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	X	Municipal POTW	Mike's Sanitation
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 150,000 GPD

NPDES Permit No. 2PR00101

Facility Name Wagner WWTP Expiration Date 2-28-2017

Facility Location North Side of St Anthony Rd 0.5 mile East of SR118 Date 2-12-13 Time 11:15 am

City Celina County Meccer Township _____

Name of Owner Meccer County Commissioners Owner Phone 419-584-1982

Person Contacted Allen Gruss Owner Email _____

Operator of Record Multiple Operator Email _____

Flow: Design 10,000 GPD WWTP Classification: X A or ___ I

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 35° - Sunny

OEPA Personnel 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	<input type="checkbox"/> Light Solids	<input type="checkbox"/> Musty	<input type="checkbox"/> Grey
3	Serious			
4	Extreme	<input type="checkbox"/> Heavy Solids	<input type="checkbox"/> Septic	<input type="checkbox"/> Black

2. Effect of Effluent on Receiving Stream - Name: Branch of Hardin Creek

<input checked="" 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) <u>N/A</u>	
IN	OUT
_____	_____
_____	_____
_____	_____
	Chlorination Tablets
	Dechlorination Tablets
	Ultraviolet (U.V.)

Yes No

4. Compliance with NPDES Permit - Time Period: 5/2011 to 2/2013

Periodic Violations Y N Parameters: _____
 Chronic Violations _____

5. O & M logbook kept and available on site: Location In shed

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: Wagner's Subdivision

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency 1/2 mo Mike's Sanitation
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	X	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
		Motor / Blower Unit	Random
Secondary Treatment	X	Aeration Tank	Color: OK, lots of foam Adequate Aeration Y <input checked="" type="checkbox"/> N
Final Settling	X	Clarifier	Some Solids
		Sludge Return	In <input checked="" type="checkbox"/> Out
		Surface Skinner	In <input checked="" type="checkbox"/> Out
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	East filter flooded
		Polishing Pond	
		Other	
Disinfection	X	Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

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

NPDES Permit No. 2 PG 00120

Facility Name Country Time Subdivision WWTP Expiration Date 2-29-16

Facility Location West Side of US R+127 South of East Rd Date 2-12-13 Time 9:45 am / PM

City Celina County Mercer Township _____

Name of Owner Mercer County Commissioners Owner Phone 419 584 1982

Person Contacted Allen Gruss Owner Email _____

Operator of Record Multiple Operator Email _____

Flow: Design 8,000 GPD WWTP Classification: X A or I

Trib. Pop. (actual - estimated) Weather at time of inspection: Temp 33° - Sunny

OEPA Personnel 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

	None	Mild	Moderate	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) <u>NA</u>	
IN	OUT
_____	_____
_____	_____
_____	_____
	Chlorination Tablets Dechlorination Tablets Ultraviolet (U.V.)

Yes No

4. Compliance with NPDES Permit - Time Period: 5/2012 to 2/2013

Periodic Violations Y N Parameters: _____

Chronic Violations _____

5. O & M logbook kept and available on site: Location Shed

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: Country Time Subdivision

Process	# Units	Unit	If Needed – Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	X	Plant Timer <u>X</u> <u>Y</u> <u>N</u>	Cycle Time:
		Motor / Blower Unit	
Secondary Treatment	X	Aeration Tank	Color: <u>Good</u> Adequate Aeration <u>Y</u> <u>X</u> <u>N</u>
Final Settling	X	Clarifier	<u>Sludge on surface</u> <u>Some sludge in trough</u>
		Sludge Return	In <u>X</u> Out
		Surface Skimmer	In <u>X</u> Out
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	<u>Some solids, plants, ponding</u>
		Polishing Pond	
		Other	
Disinfection	X	Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	



State of Ohio Environmental Protection Agency
Northwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
OH0078441	2PH00015	2/12/13	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Montezuma Club Island WWTP 6590 Guadalupe Rd Celina, Ohio 45822	10:15 AM	May 1, 2011
	Exit Time	Permit Expiration Date
		April 30, 2016
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Allen Gruss, Operator	419-584-1982	
Name, Address and Title of Responsible Official	Phone Number	
Mr. Kent Hinton 220 W. Livingston Street Room A201 Celina, Ohio 45822	419-584-1982	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	N	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	N	Compliance Schedule
S	Operations & Maintenance	N	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	N	Sludge Storage/Disposal	N	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
Inspector	Reviewer
<i>Michelle Sharp</i> 3/19/13	<i>Thomas Poffenbarger</i> 2/27/13
Michelle Sharp Division of Surface Water Northwest District Office	Thomas Poffenbarger, P.E. Water Quality Engineer Division of Surface Water Northwest District Office



State of Ohio Environmental Protection Agency
Northwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
OH0132608	2PG00113	5/22/12	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Philothea SD WWTP North side of unincorporated area Philothea, Ohio 45822	11:45 AM	June 1, 2009
	Exit Time	Permit Expiration Date
		May 31, 2014
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mr. Allen Gruss, Operator	419-584-1982	
Name, Address and Title of Responsible Official	Phone Number	
Mr. Kent Hinton 220 W. Livingston Street Room A201 Celina, Ohio 45822	419-584-1982	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	N	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	N	Compliance Schedule
S	Operations & Maintenance	N	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	N	Sludge Storage/Disposal	N	Other
N	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	

Inspector	Reviewer
<p><i>Michelle Sharp</i> 3/19/13 Michelle Sharp Date Division of Surface Water Northwest District Office</p>	<p><i>Thomas Poffenbarger</i> 2/27/13 Thomas Poffenbarger, P.E. Date Water Quality Engineer Division of Surface Water Northwest District Office</p>