



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

Re: **Notice of Violation**
 Crawford County
 Crawford County WWTPs
 NPDES Permit

November 27, 2012

Mr. R. Lyn Makeever
 Crawford County Sanitary Engineer
 112 East Mansfield Street
 Bucyrus, Ohio 44820

Dear Mr. Makeever:

On November 15, 2012, inspections were made of the wastewater treatment facilities serving Morton, Linlare Village, and Sugar Grove Subdivisions. Our observations and recommendations for each are below.

Morton Subdivision

An inspection of the wastewater treatment facilities serving Morton Subdivision shows the treatment plant is operating well. The aeration tanks had a healthy brown color and were receiving an adequate amount of air. The blowers run 24 hours per day. The clarifier had some scum and algae in it, but appeared to be operating well. The sand filters were in fair condition. The west filter was covered in solids and was ponded and the east filter had drying solids on it. You indicated that you were waiting for the east filter to finish drying and you were going to clean it off and put it back online, so that you could get the west filter cleaned off.

A review of your discharge monitoring reports from May 2012 through October 2012 indicates the following violation of the terms and conditions of your National Pollutant Discharge Elimination System (NPDES) permit:

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
6/1/2012	001	80082	CBOD 5 day	30D Conc	10.0	12.5

Linlare Village

An inspection of the wastewater treatment facilities serving Linlare Village shows the treatment plant is operating well. The aeration tanks had a healthy brown color and were receiving an adequate amount of air. The clarifier was operating well, but the trough needed to be cleaned out. The sand filters were in good condition.

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A review of your discharge monitoring reports for this facility shows that this facility is in significant non-compliance (SNC) for Fecal Coliform. The following is a list of violations for this facility for the period of April 2012 through October 2012.

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
5/1/2012	001	31616	Fecal Coliform	30D Conc	1000	6640.
5/22/2012	001	31616	Fecal Coliform	7D Conc	2000	6640.
7/1/2012	001	31616	Fecal Coliform	30D Conc	1000	12640.
7/15/2012	001	31616	Fecal Coliform	7D Conc	2000	12640.

A facility becomes SNC when it exceeds the effluent limit for four or more months in two consecutive quarters or exceeds the effluent limit significantly in any two months in two consecutive quarters. Achieving compliance with Ohio's environmental laws is a primary focus of Ohio EPA in order to reduce risks to public health and welfare. When a facility is in SNC, Ohio EPA will consider escalated enforcement action.

Before we initiate enforcement action, we would like to work with you to achieve satisfactory progress to bring this facility back into compliance. Within 21 days of the date of this letter, please submit, in writing, the actions that you propose to undertake in order to return your facility into compliance with your NPDES permit. You will also need to give us a timetable for these actions that does not extend past June 1, 2013. These actions and timetable may also be submitted by email to me at michelle.sharp@epa.state.oh.us.

If you wish to meet with us to discuss this matter, please contact me at 419-373-3019 within 10 days of receiving this letter in order to set up a meeting.

Sugar Grove

An inspection of the wastewater treatment facilities serving Sugar Grove shows the treatment plant is operating adequately. The aeration tanks had a light brown color and had a billowy, white foam. You indicated that something had killed off the bacteria in the plant and that you had used some sludge in the storage tank to help re-seed the plant. You were happy with the progress the plant was making. The clarifier appeared to be operating well, but some solids and plant growth were observed in the trough. The sand filters were in good condition.

A review of your discharge monitoring reports from May 2012 through October 2012 indicates the following violations of the terms and conditions of your NPDES permit:

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
6/1/2012	001	80082	CBOD 5 day	30D Conc	10.0	11.1
9/1/2012	001	31616	Fecal Coliform	30D Conc	1000	2440.
9/22/2012	001	31616	Fecal Coliform	7D Conc	2000	2440.
10/1/2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	6.45

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A log book must be developed and kept onsite at each facility to keep an up to date record for wastewater system operations and maintenance, and contains at a minimum, the following information: identification of the sewerage system, or treatment works; date and times of arrival and departure for the operator of record, specific operation and maintenance activities that affect or have the potential to affect the quality or quantity of sewage received and/or effluent produced; results of tests performed and samples taken, unless documented on a laboratory bench sheet; performance of preventative maintenance and repairs or requests for repair of the equipment that affect or have the potential to affect the quality or quantity of sewage conveyed, effluent produced; and identification of the persons making entries. The records must be kept up to date, contain a minimum of three months data at all times, and be maintained on site for at least three years. These record keeping requirements must be implemented immediately.

If you have any questions, please call me at 419-373-3019.

Sincerely,



Michelle Sharp
Environmental Specialist II
Division of Surface Water

/jlm

Enclosures

pc: Crawford County Health Department

ec: Tracking

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

NPDES Permit No. 2PG00115

Facility Name Morton Subdivision Expiration Date 7-31-2014

Facility Location Ronald Street Date 11-15-12 Time 3:40am/6m

City Bucyrus County Crawford Township _____

Name of Owner Crawford Co Commissioners Owner Phone _____

Person Contacted R. Lyn Makeever Owner Email rmakeever@makeever.com

Operator of Record R. Lyn Makeever Operator Email rmakeever@makeever.com

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

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 45° - Cloudy

OEPA Personnel Michelle Sharp & Peggy Christie District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
0	None	0	None	0
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 Evaluated

None	Mild	Moderate	Serious
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3. a. Plant has _____ excellent X good _____ fair _____ poor operation
 b. Plant has _____ excellent _____ good X fair _____ poor maintenance
 c. Sand filters have _____ excellent _____ good X fair _____ poor maintenance- N/A

Not operating at expected efficiency due to:

- (1) X 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. X _____ Compliance with NPDES Permit - Time Period: _____ to _____

Periodic Violations Y N Parameters: _____
 Chronic Violations _____

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

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) Not Evaluated

7. X _____ Adequate Plant Safety: Deficiencies _____

Facility Name: Moston

Process	# Units	Unit	If Needed -- Description and Comments
Preliminary		Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	X	Plant Timer <u>X</u> Y ___ N Motor / Blower Unit	Cycle Time: 2417
Secondary Treatment	X	Aeration Tank	Color: <u>Good</u> Adequate Aeration Y X N
Final Settling	X	Clarifier	Somescum + Algae
	X	Sludge Return	In X Out
	X	Surface Skimmer	In X Out
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	Solids, flooded
		Polishing Pond	
		Other	
Disinfection		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	Bucyrust
		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. 2PG00089

Facility Name Linlarc Village Expiration Date 7-31-12

Facility Location 3225 Parcher Rd Date 11-15-12 Time 3:55am/pm

City Bucyrus County Crawford Township _____

Name of Owner Crawford Co Commissioners Owner Phone _____

Person Contacted R. Lyn Makeever Owner Email rmakeever@makeever.com

Operator of Record R. Lyn Makeever Operator Email rmakeever@makeever.com

Flow: Design 25,000 GPD WWTP Classification: A or X1

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 45° - Cloudy

OEPA Personnel Michelle Sharp + Peggy Christie District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
0	None	0 Clear	0 None	0 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

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- 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. X Compliance with NPDES Permit - Time Period: April 2012 to October 2012

Periodic Violations Y N Parameters: _____
 Chronic Violations X Fecal Coliform

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

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) Not Evaluated

7. X Adequate Plant Safety: Deficiencies No fence, rusty grates, no locks

Facility Name: Linlarc Village

Process	# Units	Unit	If Needed – Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	X	Flow Equalization	
Aeration Equipment	X	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
		Motor / Blower Unit	
Secondary Treatment	X	Aeration Tank	Color: <u>Good</u> Adequate Aeration Y <input checked="" type="checkbox"/> N
Final Settling	X	Clarifier	Sludge in trough
	X	Sludge Return	In <input checked="" type="checkbox"/> Out
	X	Surface Skimmer	In <input checked="" type="checkbox"/> Out
	X	Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	
		Polishing Pond	
		Other	
Disinfection		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		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. 2PW00013

Facility Name Sugar Grove WWTP Expiration Date July 31, 2014

Facility Location Sugar Grove Lake Rd Date Nov 15, 2012 Time 4:40 am

City Galion County Crawford Township _____

Name of Owner Crawford County Commissioners Owner Phone _____

Person Contacted R. Lyn Makeever Owner Email rmakeever@makeever.com

Operator of Record R. Lyn Makeever Operator Email rmakeever@makeever.com

Flow: Design 10,000 GPD WWTP Classification: ___ A or X 1

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 42° - Cloudy

OEPA Personnel Michelle Sharp & Peggy Christie District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
0	None	0 Clear	0 None	0 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 X good _____ fair _____ poor operation
 b. Plant has _____ excellent X good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent X 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. X Compliance with NPDES Permit - Time Period: May 2012 to October 2012

Periodic Violations X Y N Parameters: CBOD, Fecal, Ammonia
 Chronic Violations _____

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

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) Not Evaluated

7. X Adequate Plant Safety: Deficiencies _____

Facility Name: Sugar Grove

Process	# Units	Unit	If Needed -- Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency <i>As needed</i>
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	X	Flow Equalization	
Aeration Equipment	X	Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
		Motor / Blower Unit	
Secondary Treatment	X	Aeration Tank	Color: <i>Light, white billowy foam</i> Adequate Aeration Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	X	Clarifier	<i>Sludge + plant growth in trough</i>
	X	Sludge Return	In <input checked="" type="checkbox"/> Out
	X	Surface Skimmer	In <input checked="" type="checkbox"/> Out
	X	Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	
		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	X	Post Aeration	
		Spray Irrigation	
		Other	