



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: Crawford County
Crawford County WWTPs
NPDES Permit

June 29, 2010

Cecil Newcome
Crawford County Engineer
815 Whetstone Street
Bucyrus, Ohio 44820

Dear Mr. Newcome:

On January 21, 2010 and June 3, 2010, inspections were made of the wastewater treatment facilities serving Morton Subdivision, Linlare, and Sugar Grove Lake. Tim Markum was present and provided information about each facility. Our observations and recommendations for each facility.

MORTON SUBDIVISION

January 21, 2010

The inspection of the wastewater treatment facilities serving Morton Subdivision revealed inflow and infiltration problems. Mr. Markum stated that Bucyrus is helping to do camera work to try and fix the inflow and infiltration issues.

1. The aeration tank had a healthy brown color and was receiving an adequate amount of air.
2. The clarifier appeared to be clear and operating well.
3. The sand filters were in good condition.
4. A clear effluent was observed in the chlorine contact tank.

June 3, 2010

Mr. Markum stated that a company has been contacted to help smoke test the sewer lines in the subdivision.

1. The aeration tank had a healthy brown color and was receiving an adequate amount of air.
2. The clarifier had scum floating on the surface.

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3. The sand filters were in fair condition. One sand filter was covered in solids.
4. The effluent was observed in the chlorine contact tank and it appeared to be slightly turbid.

A review of your discharge monitoring reports from December 2008 through May 2010, indicates violations of the terms and conditions of your NPDES permit. The specific instances of noncompliance are enclosed.

LINLARE VILLAGE

January 21, 2010

An inspection of the wastewater treatment facilities serving Linlare Village shows the treatment plant is operating well. Mr. Markum indicated that he is utilizing the valve at the front of the plant to control flow through the plant.

1. The aeration tank had a healthy brown color and was receiving an adequate amount of air. The sludge returns were light in color and the skimmer was in service.
2. The clarifier appeared to be clear and operating well.
3. The sand filters were in good condition.
4. A clear effluent was observed in the final manhole.

June 3, 2010

Mr. Markum stated that a pump was out in the equalization tank and was on order at the time of the inspection. The plant will be equipped with a timer to control when the blowers are operating.

1. The aeration tank had a healthy brown color and was receiving an adequate amount of air.
2. The clarifier had some solids floating in it.
3. The sand filters were in fair condition. One sand filter was covered in solids and plant growth, but the second one was in good condition.
4. The effluent was observed in the final manhole and appeared to be clear.

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A review of your discharge monitoring reports from December 2008 through May 2010, indicates violations of the terms and conditions of your NPDES permit. The specific instances of noncompliance are enclosed.

SUGAR GROVE LAKE

January 21, 2010

An inspection of the wastewater treatment facilities serving Sugar Grove shows the treatment plant is operating well. The plant continues to be underloaded with a flow of 1,600-1,800 gallons per day flowing through a plant with a design flow of 10,000 gallons per day. Mr. Markum indicated that it would take significant work to try and divide the plant and only operate half.

1. The aeration tank had a healthy brown color and was receiving an adequate amount of air.
2. The clarifier appeared to be clear and operating well.
3. The sand filters were in good condition. The building over the clarifiers helps to keep maintenance low.
4. A clear effluent was observed in the chlorine contact tank.

June 3, 2010

The plant was again operating well, though it continues to be very underloaded.

1. The aeration tank was light in color but was receiving an adequate amount of air. The sludge return was in service, but very light in color. The skimmer was out of service and is only operated on an as needed basis.
2. The clarifier had some scum floating in it and there were some solids and algae in the weir.
3. The sand filters were in good condition
4. The effluent was observed in the chlorine contact tank and appeared to be clear.

A review of your discharge monitoring reports from December 2008 through May 2010, indicates violations of the terms and conditions of your NPDES permit. The specific instances of noncompliance are enclosed.

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Mr. Markum indicated that he did not take the wastewater operator certification test in the spring due to missing the deadline for the paperwork. He stated that he will take it in the fall. Sugar Grove and Morton wastewater treatment plants require the supervision of a Class I operator. **Please submit a letter to this office within 30 days to indicate how the county is meeting this requirement.**

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

Sincerely,



Michelle Sharp
Environmental Specialist II
Division of Surface Water

/lb

Enclosure

pc:  NWDO:DSW-File w/enclosure
Tim Markum w/enclosure

Morton Subdivision

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
4/1/2009	001	00530	Total Suspended Solids	30D Conc	12	22.
4/1/2009	001	00530	Total Suspended Solids	7D Conc	18	22.
3/1/2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	8.56
3/1/2009	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	8.56
3/1/2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.11	.19861
3/1/2009	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.17	.19861
3/1/2009	001	80082	CBOD 5 day	30D Conc	10	16.
3/1/2009	001	80082	CBOD 5 day	7D Conc	15	16.
12/1/2008	001	00530	Total Suspended Solids	30D Conc	12	31.
12/1/2008	001	00530	Total Suspended Solids	7D Conc	18	31.
12/1/2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	17.4
12/1/2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	17.4
12/1/2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.11	.18829
12/1/2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.17	.18829

Linlare Subdivision

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
1/1/2010	001	80082	CBOD 5 day	30D Conc	10	13.

Sugar Grove

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
7/1/2009	001	00530	Total Suspended Solids	30D Conc	12	28.
7/1/2009	001	00530	Total Suspended Solids	7D Conc	18	28.
3/1/2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	4.54
3/1/2009	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	4.54