OhioEPA
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.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Crawford County
Colonel Crawford Schools
NPDES Permit

June 30, 2009

Mr. Ted Bruner, Superintendent
Colonel Crawford Local School District
2303 State Route 602
P. O. Box 7
North Robinson, Ohio 44856

Dear Mr. Bruner:

On May 13, 2009, an inspection was made of the wastewater treatment facilities serving the Colonel Crawford Schools located at 2303 State Route 602, North Robinson, Crawford County. Mr. Mike Hensley, the school's maintenance supervisor, was present and answered questions regarding the treatment plant operations.

In general, both operation and maintenance appeared good. All major treatment components, except for the UV unit, were in operation, and a clear effluent was observed. Please be aware that disinfection, like the UV unit, is required from May 1- October 31. Mr. Hensley indicated that he would get the UV unit online within a few days of our visit. The aeration tanks were receiving an adequate amount of air and the mixed liquor had a healthy brown color. The sand filters were in good condition. An operator of record form is enclosed with this letter. If your operator has not already completed this form, please do so and submit to our Central Office.

Our review of your discharge monitoring reports covering the months of June 2006, through May 2009, for the Colonel Crawford School WWTP found violations of your NPDES permit. The specific instances of noncompliance are attached to this letter.

Please be advised that failure to comply with the effluent limitations and/or monitoring requirements, including adequate laboratory controls, appropriate quality assurance procedures, and records retention, as specified in Part III-General Conditions of your NPDES permit may be cause for enforcement action pursuant to Ohio Revised Code, Chapter 6111.

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

Sincerely,

Michelle Sharp

Michelle Sharp
Environmental Specialist II
Division of Surface Water

/lir

pc: DWS-NWDO File w/enclosure
Crawford County Health Department w/enclosure
McGhee Water Services w/enclosure

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
7/1/2006	001	80082	CBOD 5 day	30D Conc	10.0	18.
7/1/2006	001	80082	CBOD 5 day	7D Conc	15.0	18.
9/1/2006	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	6.86
9/1/2006	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	6.86
9/1/2006	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.076	.10386
9/1/2006	001	31616	Fecal Coliform	30D Conc	1000	1300.
11/1/2006	001	00530	Total Suspended Solids	30D Conc	12.0	15.6
4/1/2007	001	00530	Total Suspended Solids	30D Conc	12.0	14.4
4/1/2007	001	00530	Total Suspended Solids	30D Qty	0.91	446.932
4/1/2007	001	00530	Total Suspended Solids	7D Qty	1.36	446.932
4/1/2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	3.01
4/1/2007	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.23	93.4213
4/1/2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.34	93.4213
4/1/2007	001	80082	CBOD 5 day	30D Conc	10.0	10.7
4/1/2007	001	80082	CBOD 5 day	30D Qty	0.76	332.095
4/1/2007	001	80082	CBOD 5 day	7D Qty	1.14	332.095
5/1/2007	001	00530	Total Suspended Solids	30D Conc	12.0	32.
5/1/2007	001	00530	Total Suspended Solids	7D Conc	18.0	32.
5/1/2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	4.5
5/1/2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	4.5
5/1/2007	001	80082	CBOD 5 day	30D Conc	10.0	21.
5/1/2007	001	80082	CBOD 5 day	7D Conc	15.0	21.
6/1/2007	001	00530	Total Suspended Solids	30D Conc	12.0	18.4
6/1/2007	001	00530	Total Suspended Solids	7D Conc	18.0	18.4
9/1/2007	001	00530	Total Suspended Solids	30D Conc	12.0	16.8
9/1/2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.91
9/1/2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	1.91
9/1/2007	001	31616	Fecal Coliform	30D Conc	1000	5800.
9/1/2007	001	31616	Fecal Coliform	7D Conc	2000	5800.
10/1/2007	001	00530	Total Suspended Solids	30D Conc	12.0	13.6
10/1/2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	11.2
10/1/2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	11.2
10/1/2007	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.076	.21196
10/1/2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	.114	.21196
11/1/2007	001	00530	Total Suspended Solids	30D Conc	12.0	16.8
12/1/2007	001	00530	Total Suspended Solids	30D Conc	12.0	12.4
12/1/2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	6.21
12/1/2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	6.21
1/1/2008	001	00530	Total Suspended Solids	30D Conc	12.0	22.4
1/1/2008	001	00530	Total Suspended Solids	7D Conc	18.0	22.4
2/1/2008	001	00530	Total Suspended Solids	30D Conc	12.0	16.
2/1/2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	10.6
2/1/2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	10.6
4/1/2008	001	00530	Total Suspended Solids	30D Conc	12.0	12.8
5/1/2008	001	00530	Total Suspended Solids	30D Conc	12.0	24.5
5/1/2008	001	00530	Total Suspended Solids	7D Conc	18.0	24.5
5/1/2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	6.69
5/1/2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	6.69
5/1/2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.076	.10129
5/1/2008	001	80082	CBOD 5 day	30D Conc	10.0	38.4
5/1/2008	001	80082	CBOD 5 day	7D Conc	15.0	38.4
6/1/2008	001	00530	Total Suspended Solids	30D Conc	12.0	24.8
6/1/2008	001	00530	Total Suspended Solids	7D Conc	18.0	24.8
6/1/2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.4
7/1/2008	001	00530	Total Suspended Solids	30D Conc	12.0	17.2
9/1/2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.16
10/1/2008	001	00530	Total Suspended Solids	30D Conc	12.0	45.
10/1/2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	10.2
10/1/2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.076	.15443
10/8/2008	001	00530	Total Suspended Solids	7D Conc	18.0	45.
10/8/2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	10.2
10/8/2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	.114	.15443
12/1/2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	11.5
12/1/2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	11.5
12/1/2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.23	.26117
12/1/2008	001	80082	CBOD 5 day	30D Conc	10.0	39.6
12/1/2008	001	80082	CBOD 5 day	7D Conc	15.0	39.6
12/1/2008	001	80082	CBOD 5 day	30D Qty	0.76	.89932
2/1/2009	001	00530	Total Suspended Solids	30D Conc	12.0	46.4
2/1/2009	001	00530	Total Suspended Solids	7D Conc	18.0	46.4
2/1/2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	6.8
2/1/2009	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	6.8
3/1/2009	001	00530	Total Suspended Solids	30D Conc	12.0	48.
3/1/2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	5.05
3/8/2009	001	00530	Total Suspended Solids	7D Conc	18.0	48.
3/8/2009	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	5.05
5/1/2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.42

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PT00045

Facility Name Colonel Crawford Local School District Expiration Date September 30, 2009

Facility Address 2303 State Route 602 Date _____ Time 11:30 am / pm

City North Robinson County Crawford Township _____

Name and Address of Owner Colonel Crawford Local School District 2303 SR 602 North Robinson OH 44856

Person Contacted Mr. Mike Hensley Owner Phone 419-562-4666

Flow: Design 20,000 GPD Present _____ GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 60° Cloudy

OEPA Personnel Michelle Sharp 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.)

IN	OUT	
		Chlorination Tablets
		Dechlorination Tablets
	X	U.V.

	Yes	No	
4.	X		Compliance with NPDES Permit
			Periodic Violations Y ___ N ___ Parameters: _____
			Chronic Violations Y ___ N ___ _____
5.	X		Adequate plant safety
6.	X		Operation and Maintenance Service Name McGhee Water Services

Frequency of Visits 1/week

Facility Name: _____

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: 2 times / year
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	X	Flow Equalization	
Aeration Equipment	X	Plant Timer _X_ Y ___ N Motor/ Blower Unit	Cycle Time: 6 hours on 1/2 hour off
Secondary Treatment	X	Aeration Tank	Color : Good Adequate Aeration: Y _X_ N ___
Final Settling	X	Clarifier	Good
	X	Sludge Return	In X Out ___
	X	Surface Skimmer	In X Out ___
	X	Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	X	Ultraviolet (UV)	* OUT *
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	X	Aerated Storage Tank	Removed 2 times/yr by Atkins
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	