



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: Ottawa County
Wildflower Place Subdivision
NPDES Permit

April 6, 2010

Mr. Mike Szymanski, Trustee
Wildflower Place Homeowners Association
22251 West Honeysuckle Lane
Curtice, Ohio 43412

Dear Mr. Szymanski:

On March 18, 2010, an inspection was made of the wastewater treatment facilities serving Wildflower Place Subdivision. In general, both operation and maintenance appeared fair. A clear final effluent was observed in the contact tank, however floc was also noticeable. At the time of my visit, all major mechanical treatment components were in operation, and all four surface sand filters were being bypassed directly to the chlorine contact tank. Bypassing of the sand filters is not authorized. A thick scum layer was present in the north clarifier. Dried solids were piled outside the sand filters and should be collected and properly disposed of at a landfill. Chronic NPDES permit violations continue to be reported since my last inspection. A list of violations reported for the time period of October 2009 thru February 2010 is enclosed for your review. This facility is considered to be in significant noncompliance by the agency.

I was informed that the first round of camera work on the sewer lines was recently conducted, and another is planned. The data will be used to prepare the I/I reduction action plan. I remind you that this is a requirement set forth in your NPDES permit, which is an enforceable legal document. The current permit expires September 30 and I received the required NPDES renewal application. The I/I reduction action plan needs to be submitted with a timetable to implement the recommendations. If acceptable, I will then incorporate the plan into the permit renewal.

Enclosed is my completed inspection report, and copy of violations. If you have any questions, please call me at (419) 373-3020, or email at rick.zuzik@epa.state.oh.us.

Sincerely,



Richard A. Zuzik, MSE
Division of Surface Water

/cs

Enclosure

Pc: Ottawa County Health Department
Eastwood Environmental
Mark Mercer, Attorney
DSW, NWDO, File

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PW00010
 Facility Name Wildflower Place Subd. Expiration Date 9-30-10
 Facility Address Genoa - Clay Center Rd Date 3-18-10 Time 10:15 am / pm
 City - County Ottawa Township Allen
 Name and Address of Owner Home Owner Assn - Mike Szymanski, Trustee
 Person Contacted none Owner Phone (419) 836-2006
 Flow: Design 56,900 GPD Present GPD (metered - estimated)
 Trib. Pop. 160 lots (actual - estimated) Weather at time of inspection: Temp 50° Clear
 OEPA Personnel Bick Zurik District NWDD

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear		None		Colorless
1	Mild	✓	floc	✓	Slight		
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Crane Creek - 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 ✓ good fair poor operation
 b. Plant has excellent good ✓ fair poor maintenance
 c. Sand filters have excellent good fair poor maintenance
 d. Not operating at expected efficiency due to:

Bypassed to Cl₂ tank

- (1) ✓ hydraulic overload (I/I)
 (2) organic/solids overload
 (3) personnel inefficiency
 (4) equipment failure
 (5) wastes
 (6) Sand filters - Bypassed to Cl₂ tank

Disinfection: (Required May 1 thru Oct. 31)		
IN	OUT	<u>N/A</u>
<u> </u>	<u> </u>	Chlorination Tablets
<u> </u>	<u> </u>	Dechlorination Tablets
<u> </u>	<u> </u>	Ultraviolet (U.V.)

Yes No (10/09 - 2/10)

4. ✓ Compliance with NPDES Permit
 Periodic Violations Y N Parameters: NH₃, pH
 Chronic Violations ✓ TSS, CBOD₅
 5. Adequate plant safety No fence around SF
 6. ✓ Operation and Maintenance Service Name Eastwood Eng.
 Frequency of Visits 1/wk

Facility Name: Wild flower

Process	# Units	Unit	If Needed - Description and Comments
Preliminary		Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	1	Flow Equalization / <i>flow Splitter</i>	
Aeration Equipment		Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
		Motor / Blower Unit	
Secondary Treatment	8	Aeration Tank	Color: <i>Brown</i> Adequate Aeration Y <input checked="" type="checkbox"/> N
Final Settling	2	Clarifier	<i>Thick swim layer in North tank</i>
	4	Sludge Return	In / Out
	2	Surface Skimmer	In / Out
		Fixed Media Clarifier	
		Other	
Tertiary Treatment	4	Surface Sand Filter	<i>Bypassed to c12 solids piled up outside walls</i>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	<i>Some floe have from SFS</i>
	1	Chlorine Tube Feeder	
	1	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Dosing	2	Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	<input checked="" type="checkbox"/>	Post Aeration	<i>IN</i>
		Spray Irrigation	
		Other	



**Environmental
Protection Agency**

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Lee Fisher, Lt. Governor
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Preliminary Compliance Report

Facility: Wild Flower Place Subdiv WWTP

Permit No.: 2PW00010*BD

Report Period: February 2010

Date Received: 3/20/2010

Station	Type	Date	Reporting Code	Parameter	Limit Type	Permit Limit	Reported Value
001	Limit	2/11/2010	80082	CBOD 5 day	Daily Conc.	15	16.



Environmental Protection Agency

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Preliminary Compliance Report

Facility: Wildflower Place Subdiv WWTP

Permit No.: 2PW00010*BD

Report Period: December 2009

Date Received: 1/20/2010

Station	Type	Date	Reporting Code	Parameter	Limit Type	Permit Limit	Reported Value
001	Limit	12/2/2009	00400	pH	Daily Conc.	6.5	6.3
001	Limit	12/10/2009	00400	pH	Daily Conc.	6.5	6.4
001	Limit	12/22/2009	00400	pH	Daily Conc.	6.5	6.4
001	Limit	12/2/2009	00530	Total Suspended Solids	Daily Load	3.9	8.4027
001	Limit	12/2/2009	00530	Total Suspended Solids	Daily Conc.	18	60.
001	Limit	12/10/2009	00530	Total Suspended Solids	Daily Load	3.9	5.74185
001	Limit	12/10/2009	00530	Total Suspended Solids	Daily Conc.	18	41.
001	Limit	12/1/2009	00530	Total Suspended Solids	Monthly Load	2.6	4.13133
001	Limit	12/1/2009	00530	Total Suspended Solids	Monthly Conc.	12	29.5
001	Limit	12/10/2009	00610	Nitrogen, Ammonia (NH3)	Daily Conc.	4.5	5.52
001	Limit	12/2/2009	80082	CBOD 5 day	Daily Conc.	15	20.



State of Ohio Environmental Protection Agency

STREET ADDRESS:

MAILING ADDRESS:

Lazarus Government Center
50 W. Town St., Suite 700
Columbus, Ohio 43215

TELE: (614) 644-3020 FAX: (614) 644-3184
www.epa.state.oh.us

P.O. Box 1049
Columbus, OH 43216-1049

Preliminary Compliance Report

Facility: Wildflower Place Subdiv WWTP

Permit No.: 2PW00010*BD

Report Period: November 2009

Date Received: 12/21/2009

Station	Type	Date	Reporting Code	Parameter	Limit Type	Permit Limit	Reported Value
001	Limit	11/12/2009	00400	pH	Daily Conc.	6.5	6.3
001	Limit	11/12/2009	00530	Total Suspended Solids	Daily Load	3.9	24.0877
001	Limit	11/12/2009	00530	Total Suspended Solids	Daily Conc.	18	172.
001	Limit	11/19/2009	00530	Total Suspended Solids	Daily Load	3.9	9.24297
001	Limit	11/19/2009	00530	Total Suspended Solids	Daily Conc.	18	66.
001	Limit	11/1/2009	00530	Total Suspended Solids	Monthly Load	2.6	8.85785
001	Limit	11/1/2009	00530	Total Suspended Solids	Monthly Conc.	12	63.25
001	Limit	11/19/2009	00610	Nitrogen, Ammonia (NH3)	Daily Load	0.97	1.22819
001	Limit	11/19/2009	00610	Nitrogen, Ammonia (NH3)	Daily Conc.	4.5	8.77
001	Limit	11/23/2009	00610	Nitrogen, Ammonia (NH3)	Daily Conc.	4.5	6.15
001	Limit	11/1/2009	00610	Nitrogen, Ammonia (NH3)	Monthly Load	0.65	.7119
001	Limit	11/1/2009	00610	Nitrogen, Ammonia (NH3)	Monthly Conc.	3.0	5.08333
001	Limit	11/12/2009	80082	CBOD 5 day	Daily Load	3.2	7.98257
001	Limit	11/12/2009	80082	CBOD 5 day	Daily Conc.	15	57.
001	Limit	11/19/2009	80082	CBOD 5 day	Daily Conc.	15	18.
001	Limit	11/23/2009	80082	CBOD 5 day	Daily Conc.	15	18.
001	Limit	11/1/2009	80082	CBOD 5 day	Monthly Load	2.2	3.39609
001	Limit	11/1/2009	80082	CBOD 5 day	Monthly Conc.	10	24.25

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Preliminary Compliance Report

Facility: Wildflower Place Subdiv WWTP

Permit No.: 2PW00010*BD

Report Period: October 2009

Date Received: 11/23/2009

Station	Type	Date	Reporting Code	Parameter	Limit Type	Permit Limit	Reported Value
001	Limit	10/1/2009	00400	pH	Daily Conc.	6.5	6.3
001	Limit	10/8/2009	00400	pH	Daily Conc.	6.5	6.4
001	Limit	10/1/2009	00530	Total Suspended Solids	Daily Load	3.9	14.0045
001	Limit	10/1/2009	00530	Total Suspended Solids	Daily Conc.	18	100.
001	Limit	10/8/2009	00530	Total Suspended Solids	Daily Load	3.9	4.76153
001	Limit	10/8/2009	00530	Total Suspended Solids	Daily Conc.	18	34.
001	Limit	10/15/2009	00530	Total Suspended Solids	Daily Load	3.9	6.58212
001	Limit	10/15/2009	00530	Total Suspended Solids	Daily Conc.	18	47.
001	Limit	10/1/2009	00530	Total Suspended Solids	Monthly Load	2.6	6.93223
001	Limit	10/1/2009	00530	Total Suspended Solids	Monthly Conc.	12	49.5
001	Code	10/1/2009	31616	Fecal Coliform			AK
001	Limit	10/1/2009	80082	CBOD 5 day	Daily Conc.	15	19.

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