



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

Re: **Notice of Violation**  
Deerfield Subdivision WWTP  
Mercer County  
NPDES Permit

September 23, 2013

Mr. Jerry Now  
5627 Shelley Road  
Rockford, Ohio 45882

Dear Mr. Now:

On September 10, 2013, a National Pollutant Discharge Elimination System (NPDES) permit compliance inspection was completed at the Deerfield Subdivision Wastewater Treatment Plant (WWTP) located on the west side of US Route 127, approximately 600 feet south of Shelley Road, Rockford, Ohio, 45882. At the time of the inspection, the operation of the plant was poor.

The aeration tanks were grey in color and were not receiving an adequate amount of air. The airlines in the tanks were broken and the sludge return and skimmer were not operating. The clarifier was receiving air from a broken airline, but did appear to be operating properly. The sand filters were covered in plant growth. There were chlorine and dechlorination tablets in the feeders. The effluent did have some color and solids. The area around the plant had a septic smell to it.

A review of your discharge monitoring reports from February 2013 to July 2013 indicates violations of the conditions of your NPDES permit. The specific instances of non-compliance are below:

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
2/1/2013	001	00530	Total Suspended Solids	30D Conc	12.0	16.
3/1/2013	001	00530	Total Suspended Solids	30D Conc	12.0	16.

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Please respond in writing **within 14 days of receipt of this letter** with a schedule as to when the repairs will be made to the plant. All repairs must be made by December 1, 2013. If the operation and maintenance is not improved at this plant, we will have no choice but to refer you for escalated enforcement action.

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

Sincerely,



Michelle Mix  
Division of Surface Water

/jlm

Enclosure

pc: Mr. Jeff Long  
Mercer County Health Department

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PG00119

Facility Name Deer Field Subdivision WWTP Expiration Date 2-29-16

Facility Location West Side of USRT 127 600ft S of Shelley Date 9-10-13 Time 3:00 am

City Rockford County Mercer Township \_\_\_\_\_

Name of Owner Mr Jerry Now Owner Phone 419 363 3226

Person Contacted Jeff Long Owner Email \_\_\_\_\_

Operator of Record Jeff Long Operator Email \_\_\_\_\_

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

Trib. Pop. 1700 (actual - estimated) Weather at time of inspection: Temp 93° - Sunny

OEPA Personnel Michelle Mix District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
0	None	Clear	X None	Colorless
1	Mild	X		X
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 X fair \_\_\_\_\_ poor operation  
 b. Plant has \_\_\_\_\_ excellent \_\_\_\_\_ good \_\_\_\_\_ fair X poor maintenance  
 c. Sand filters have \_\_\_\_\_ excellent \_\_\_\_\_ good X fair \_\_\_\_\_ poor maintenance- N/A

Not operating at expected efficiency due to:

- (1) \_\_\_\_\_ hydraulic overload  
 (2) \_\_\_\_\_ organic/solids overload  
 (3) \_\_\_\_\_ personnel inefficiency  
 (4) X equipment failure  
 (5) \_\_\_\_\_ wastes  
 (6) \_\_\_\_\_

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

Yes No

4. X Compliance with NPDES Permit - Time Period: 2-1-13 to 7-1-13

Periodic Violations X Y N Parameters: TSS

Chronic Violations \_\_\_\_\_

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

6. X 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. X Adequate Plant Safety: Deficiencies \_\_\_\_\_

Facility Name: Deer Field 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> Y <u>    </u> N Motor / Blower Unit	Cycle Time: <u>2417</u>
Secondary Treatment	X	Aeration Tank	Color: <u>Grey</u> Adequate Aeration Y <u>    </u> N <u>X</u>
Final Settling	X	Clarifier	<u>Broken pipe aerating, clear</u>
	X	Sludge Return	In <u>    </u> Out <u>X</u>
	X	Surface Skimmer	In <u>    </u> Out <u>X</u>
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	<u>Covered in plants</u>
		Polishing Pond	
		Other	
Disinfection	X	Contact Tank	
	X	Chlorine Tube Feeder	
	X	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	