



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

Re: Deerfield Subdivision WWTP
Mercer County
NPDES Permit

March 20, 2013

Mr. Jerry Now
5627 Shelley Road
Rockford, Ohio 45882

Dear Mr. Now:

On February 12, 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, all units were in service and the operation of the plant appeared fair.

The aeration tanks were dark in color and were not receiving an adequate amount of air. The air lines in the tanks were broken and the sludge return and skimmer were not operating. Mr. Jeff Long indicated that repairs to the lines were to be made in the near future. The clarifier appeared to be operating properly. The sand in the sand filters was unlevel and there was some plant growth on the surface. There was a significant amount of solids observed in the chlorine contact tank. Mr. Long indicated that this tank would be cleaned out the next time he had sludge removed from the plant.

A review of your discharge monitoring reports from September 2011 through January 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
10/1/2011	001	31648	E. coli	30D Conc	126	365.4
10/22/2011	001	31648	E. coli	7D Conc	284	365.4

Your NPDES permit requires that a log book be maintained onsite to document time that the Operator of Record is on site and activities that are taking place at the plant. In addition, the plant is classified as a Class A plant, which requires that an operator with at least a Class A certification be at the plant two days per week for a minimum of one hour per week. Please respond in writing **within 14 days of receipt of this letter** indicating how these requirements are being met.

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

Sincerely,

Michelle Sharp
Michelle Sharp
Division of Surface Water

/jlm
Enclosure
pc: 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 Deerfield Subdivision WWTP Expiration Date 2-29-16

Facility Location West Side of US Rt 127 1000 ft S of Shelley Date 2-12-13 Time 2:30 am (PMT)

City Rockford County Mercer Township _____

Name of Owner Jerry Now Owner Phone 419 363 3226

Person Contacted Jeff Long Owner Email _____

Operator of Record Jeff Long Operator Email _____

Flow: Design 100,000 GPD WWTP Classification: X A or ___ I

Trib. Pop. 7,000 (actual - estimated) Weather at time of inspection: Temp 35° - Sunny

OEPA Personnel Michelle Sharp District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
0	None	Clear	None	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 _____ good X 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) _____ 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: 9/2011 to 2/2013

Periodic Violations Y N Parameters: _____
 Chronic Violations _____

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

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: Deerfield Subdivision WWTP

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 <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Motor / Blower Unit	Cycle Time: 2 on 4 off day off @ night
Secondary Treatment	X	Aeration Tank	Color: Dark Adequate Aeration Y <input type="checkbox"/> N <input checked="" type="checkbox"/>
Final Settling	X	Clarifier	OK Trough Dry
		Sludge Return	In _____ Out <input checked="" type="checkbox"/>
		Surface Skimmer	In _____ Out <input checked="" type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	Unlevel, plant growth
		Polishing Pond	
		Other	
Disinfection	X	Contact Tank	Lots of solids
		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		Post Aeration	
		Spray Irrigation	
		Other	