



**Environmental  
Protection Agency**

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

Re: Hancock County  
ODOT Park #1-26  
NPDES Permit

June 25, 2012

Mr. Kirk Slusher  
District One Deputy Director  
Ohio Department of Transportation  
1885 North McCullough Street  
Lima, Ohio 45801

Dear Mr. Slusher:

On May 15, 2012, we conducted an inspection of the wastewater treatment facilities serving ODOT Park #1-26 and Park# 1-25, located along I-75, Eagle Township, Hancock County. Ms. Ann Scott from Industrial Fluid Management, Inc., was present and offered information regarding the operation and maintenance of the plants. At the time of inspection, all major units were in operation at the southbound and northbound plants. Our findings and recommendations are as follows:

**Southbound Plant**

The flow rate is estimated off of water usage at the rest area. The trash trap is inspected weekly and pumped out on an as needed basis. The contents of the aeration tanks had a healthy brown color and were receiving an adequate amount of air. The sludge return and skimmer were both in service and operating properly. The clarifier had a clear effluent. There were some weeds in the sand filters. Garden fabric is currently being used to try and reduce the growth of weeds. The UV disinfection was in service and operating. Sludge is wasted approximately three times per week and is aerated as needed. Mike's Sanitation hauls the sludge away when needed. Sodium bicarbonate is added as needed to keep the pH in the aeration tanks above 7.5.

**Northbound Plant**

The contents of the aeration tanks had a healthy brown color and were receiving an adequate amount of air. The sludge return and skimmer were both in and operating properly. The clarifier had solids floating on the surface, but the effluent was clear. The sand filters were in good condition. The UV disinfection was in service and operating.

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We are in receipt of your discharge monitoring reports covering the months of April 2011 to May 2012. The specific instances of non-compliance are:

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
6/1/2011	002	31616	Fecal Coliform	30D Conc	1000	20000.
6/22/2011	002	31616	Fecal Coliform	7D Conc	2000	20000.
8/1/2011	001	31616	Fecal Coliform	30D Conc	1000	17320.5
8/22/2011	001	31616	Fecal Coliform	7D Conc	2000	20000.

There is an operator at the plant once per day Monday through Friday. An operator stops to check on the water treatment plant on the weekends and if a problem is observed at the wastewater treatment plant, they would make sure that it gets resolved. Records are being kept at the facility in accordance with the operator certification rules.

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

Sincerely,



Michelle M. Sharp  
Environmental Specialist II  
Division of Surface Water

/jlm

Enclosures

pc: Hancock County Health Department  
Tony Lotz, Building Maintenance Superintendent II  
Chris Hardesty, Business and Human Resources Administrator, Lima  
Ann Scott, IFM

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY  
 OPERATION AND MAINTENANCE INSPECTION  
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PP00019

Facility Name ODOT Dist 1 No 1-26+1-25 North Expiration Date Sept 30, 2016

Facility Address Northbound I-75 South of Findlay Date 5-15-12 Time 10:30 AM PM

City \_\_\_\_\_ County Hancock Township Eagle

Name and Address of Owner ODOT

Person Contacted Ms Ann Scott IFM Owner Phone \_\_\_\_\_

Flow: Design 10,000 GPD Present 5,700 GPD (metered - estimated)

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

OEPA Personnel Michelle Sharp District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	0	Clear	0	None	0	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
<u>X</u>	_____ U.V.

Yes No

4. X \_\_\_\_\_ Compliance with NPDES Permit

Periodic Violations Y N Parameters: \_\_\_\_\_

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

5. X \_\_\_\_\_ Adequate plant safety

6. X \_\_\_\_\_ Operation and Maintenance Service Name IFM

Frequency of Visits Daily

Facility Name: ODOT 1-264 1-25 North

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: As needed
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	X	Flow Equalization	
Aeration Equipment		Plant Timer ___Y___N	Cycle Time:
	X	Motor/ Blower Unit	Full Time
Secondary Treatment		Aeration Tank	Color: Good Adequate Aeration: Y X N
Final Settling	X	Clarifier	Some solids, clear effluent
	Y	Sludge Return	In X Out
	X	Surface Skimmer	In X Out
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	Good
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	X	Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	X	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	X	Post Aeration	
		Spray Irrigation	
		Other	

OHIO ENVIRONMENTAL PROTECTION AGENCY  
 OPERATION AND MAINTENANCE INSPECTION  
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PP00019

Facility Name ODOT Dist 1 Park No 1-2641-25 South Expiration Date Sept 30, 2016

Facility Address Southbound I 75 South of Findlay Date 5-15-12 Time 1000 @ 1pm

City \_\_\_\_\_ County Hancock Township Eagle

Name and Address of Owner ODOT

Person Contacted Ms Ann Scott IFM Owner Phone \_\_\_\_\_

Flow: Design 10,000 GPD Present 4,200 GPD (metered - estimated)

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

OEPA Personnel Michelle Sharp District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	0	Clear	0	None	0	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
<u>X</u>	_____	U.V.

Yes No

4. X \_\_\_\_\_ Compliance with NPDES Permit

Periodic Violations Y N Parameters: \_\_\_\_\_

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

5. X \_\_\_\_\_ Adequate plant safety

6. X \_\_\_\_\_ Operation and Maintenance Service Name IFM

Frequency of Visits Daily

Facility Name: ODOT 1-26+1-25 South

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: <u>As needed, Inspected weekly</u>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	X	Flow Equalization	
Aeration Equipment	X	Plant Timer <u>X</u> Y <u>   </u> N	Cycle Time: <u>2 hours on / 1/2 hr off</u>
		Motor/ Blower Unit	
Secondary Treatment	X	Aeration Tank	Color: <u>Good color</u> Adequate Aeration: Y <u>X</u> N <u>   </u>
Final Settling	X	Clarifier	<u>Good, clear effluent</u>
	X	Sludge Return	In <u>X</u> Out <u>   </u>
	X	Surface Skimmer	In <u>X</u> Out <u>   </u>
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	<u>Good, some plant growth</u>
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	X	Ultraviolet (UV)	<u>On</u>
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	X	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal		Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	X	Post Aeration	
		Spray Irrigation	
		Other	