

Bl Hancock Pilot



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road  
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: Hancock County  
Pilot # 360  
NPDES Permit

July 27, 2009

Mr. Bill Mulligan, Vice President of Development  
Pilot Corporation  
5508 Lonas Drive  
P. O. Box 10146  
Knoxville, Tennessee 37939-0146

Dear Mr. Mulligan:

On June 3, 2009, an operation and maintenance inspection was made of the wastewater treatment facilities serving Pilot #360. The facility is located at State Route 613 and Interstate I-75, Allen Township, Ohio. Ms. Ann Scott from Industrial Fluid Management, Inc., showed me the plant and answered questions. At the time of inspection the plant appeared to be in fair condition. Our observations and recommendations are as follows:

1. The aeration tanks were a chocolate brown color, indicating a good microbial growth in the tanks. The tanks were receiving an adequate amount of aeration. Ms. Scott indicated that baking soda is added to the aeration tanks to keep them operating properly.
2. The sand filters had been reconditioned and appeared to be in better shape than during out last inspection.
3. To ensure proper plant safety the fence around the plant should be maintained and locked. During our last inspection, the store manager had indicated that the fence was to be replaced; however, the fence appears to be in worse shape than during our last inspection. Ms. Scott also indicates that this manifests as an operational challenge, because trash from the parking lot blows into the plant and must be removed.
4. The plant's effluent was clear.

We are in receipt of the discharge monitoring reports from May 2008 through May 2009. Our review has indicated violations of the terms and conditions of your NPDES permit. The specific instances of noncompliance are enclosed. Although improvements have been made to the effluent quality, you still have not achieved compliance with your permit.



Mr. Bill Mulligan  
July 27, 2009  
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Our completed inspection report is enclosed for your review. If you have any questions, please feel free to call me at (419) 373-3019.

Sincerely,

  
Michelle M. Sharp  
Division of Surface Water

/cs

pc: Hancock County Health Department w/enclosures  
Ms. Ann Scott, IFM, 2926 US Hwy 6 McClure, OH 43534 w/ enclosures  
~~NWDO File w/enclosures~~  
bc: Lauren Angel, AGO

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

NPDES Permit No. 2PR00095

Facility Name Pilot #360 Expiration Date 7-31-13

Facility Address 11471 SR 613 West Date 6-3-09 Time (am) / pm

City Van Buren County Hancock Township \_\_\_\_\_

Name and Address of Owner \_\_\_\_\_

Person Contacted Ms Ann Scott Owner Phone 1-800-562-6210

Flow: Design 10,000 GPD Present 8,000 GPD (metered - estimated)

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

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 \_\_\_\_\_ good X 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	
<u>X</u>	_____	Chlorination Tablets
<u>X</u>	_____	Dechlorination Tablets
_____	_____	U.V.

Yes No

4. X Compliance with NPDES Permit

Periodic Violations Y N Parameters: \_\_\_\_\_  
 Chronic Violations X \_\_\_\_\_ Ammonia, TSS

5. X Adequate plant safety

6. X Operation and Maintenance Service Name WJM

Frequency of Visits 1/day M-F

Facility Name: Pilot #360

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: 1/6 week
	X	Grease Trap	Pumping Frequency: 1/6 week
		Bar Screen	
		Comminutor	
	X	Flow Equalization	
Aeration Equipment		Plant Timer <u>X</u> Y ___ N	Cycle Time:
	X	Motor/ Blower Unit	1hr on 1hr off
Secondary Treatment	X	Aeration Tank	Color: <u>Good</u> Adequate Aeration: Y <u>X</u> N ___
Final Settling	X	Clarifier	
	X	Sludge Return	In <u>X</u> Out
	X	Surface Skimmer	In <u>X</u> Out
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	<u>Good, Some Solids</u>
		Polishing Pond	
		Other	
Disinfection		Contact Tank	
	X	Chlorine Tube Feeder	
	X	Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering	X	Elapsed Pump Time	<u>on Sand Filter dosing</u>
		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		Post Aeration	
		Spray Irrigation	
		Other	

Violation Date	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value
5/1/2008	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	21.
5/1/2008	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.038	.32589
5/22/2008	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	21.
5/22/2008	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.057	.32589
7/1/2008	001	00530	Total Suspended Solids	30D Conc	12	50.7
7/1/2008	001	00530	Total Suspended Solids	30D Qty	0.45	1.13988
7/7/2008	001	00300	Dissolved Oxygen	1D Conc	6.0	5.4
7/22/2008	001	00530	Total Suspended Solids	7D Conc	18	50.7
7/22/2008	001	00530	Total Suspended Solids	7D Qty	0.68	1.13988
8/1/2008	001	31616	Fecal Coliform	30D Conc	1000	4500.
8/4/2008	001	00400	pH	1D Conc	6.5	6.41
8/4/2008	001	00300	Dissolved Oxygen	1D Conc	6.0	5.68
8/27/2008	001	31616	Fecal Coliform	1D Conc	2000	4500.
10/29/2008	001	00400	pH	1D Conc	6.5	6.18
12/1/2008	001	00530	Total Suspended Solids	30D Conc	12	14.7
12/8/2008	001	00552	Oil and Grease, Hexane	1D Conc	10	32.
1/1/2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	47.1
1/1/2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.11	1.18908
1/27/2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	47.1
1/27/2009	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.17	1.18908
2/1/2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	50.9
2/1/2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.11	1.20796
2/18/2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	4.5	50.9
2/18/2009	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.17	1.20796
3/1/2009	001	00530	Total Suspended Solids	30D Conc	12	14.
3/1/2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.0	3.92
5/1/2009	001	00530	Total Suspended Solids	30D Conc	12	29.4
5/1/2009	001	00530	Total Suspended Solids	30D Qty	0.45	1.06237
5/4/2009	001	00530	Total Suspended Solids	1D Conc	18	21.6
5/28/2009	001	00530	Total Suspended Solids	1D Conc	18	37.2
5/28/2009	001	00530	Total Suspended Solids	1D Qty	0.68	1.45026