



**Environmental  
Protection Agency**

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

March 24, 2011

RE: PHEASANT RUN WWTP  
PERMIT NO. 3PW00001  
LORAIN COUNTY  
LAGRANGE TOWNSHIP

Ms. Jessica Collier, Office Manager  
Pheasant Run Association  
200 East Lake Drive  
P.O. Box 522  
Lagrange, Ohio 44050

Dear Ms. Collier:

On February 23, 2011, an inspection of the above referenced facility's wastewater treatment system was conducted. The facility was represented by Ms. Christina Douglas from Uni-tech Environmental Services Inc. The purpose of the inspection was to evaluate the operation and maintenance of the treatment system along with the facility's compliance status with respect to the terms and conditions of the above referenced National Pollutant Discharge Elimination System (NPDES) permit.

During the inspection, the following items were noted/discussed:

1. Mr. Keith Paul is no longer the General Manager for Pheasant Run.
2. The plant design of the wastewater treatment system is 140,000 gpd. However, the loading limits on the facility's NPDES permit were calculated using 100,000 gpd since there was no requested increase in loadings during the plant expansion.
3. Currently 526 homes are tied into the system.
4. The treatment plant was averaging a flow of 71gpm (102,240 gpd) at the time of the inspection.
5. Ms. Douglas indicated that the plant's average flow is 70,000 gpd to 80,000 gpd during dry weather.
6. All treatment units were fully operational.
7. The blowers were running and the plant was receiving good aeration.
8. Scum/solids were floating on top of the settling tank. These solids should be removed on a regular basis.
9. The discharge was visually clear.
10. A ChemTrac online turbidity meter was recently purchased and installed on the discharge line of the disk filter prior to the chlorine contact tank. The discharge from the unit is currently discharging into the disk filter building drain. The unit was installed as a safety measure to help provide a better treated effluent.
11. The turbidity meter is programmed to shut the effluent pumps and blowers off when the turbidity hits 25 NTUs.
12. It was noted that a check valve on the overflow in the effluent lift station was not functioning properly and was allowing water from the stream to flow back into the effluent lift station. The check valve should be repaired immediately.

13. Pheasant Run had previously considered placing busted up cement along the stream bank. Ms. Douglas confirmed this did require a permit from the Army Corps of Engineers. Ms. Douglas further indicated that Pheasant Run no longer wishes to pursue this and the pile of broken cement had been taken off site.
14. During the last inspection Ms. Douglas indicated that Pheasant Run was undecided if they were going to pursue straightening the receiving stream downstream of the discharge point to allow better flow. Ms. Douglas has indicated that Pheasant Run no longer wishes to pursue straightening the stream.
15. As indicated in Ohio EPA's correspondence dated September 25, 2009, dirt had been dumped immediately downstream of the outfall adjacent to the tributary. The letter indicated that the material should be pulled away from the tributary or a silt fence should be installed to prevent sediment from entering the tributary. On February 23, 2011 it was noted that silt fencing was improperly installed and the dirt was never removed. However, the dirt has settled and vegetation has grown on it thus eliminating the need for further action.
16. Ms. Douglas indicated that Mr. Lee Holztrager has recently acquired 72 undeveloped wooded lots at Pheasant Run. A permit to install application along with detail plans is required to be submitted to the Northeast District Office to be reviewed for any proposed sanitary sewer extension. A permit to install must be issued prior to any construction activity.
17. Mr. Don Mould owns 132 lots. It was understood that the streets are not installed but the status of the sewers was unknown. If the sanitary sewer has not been installed, a permit to install application along with detail plans for a sanitary sewer extension would be required to be submitted to the Northeast District Office prior to construction. It is understood that the Pheasant Run Board gave Mr. Mould approval to build a model home.
18. Ms. Douglas indicated that Pheasant Run still has not received the results/recommendations of the hydraulic study performed by Mr. Jon VanDommelen from our Central Office. Mr. Blasick of this office has made a call to Mr. VanDommelen indicating the need for the Hydraulic Study Report.
19. The following overflows of the treatment system were discussed:
  - a. The equalization tank overflowed on the following dates:
    - i. August 2, 2010
    - ii. October 8, 2010
    - iii. October 14, 2010
    - iv. November 23, 2010
    - v. January 7, 2011
    - vi. February 23, 2011

Ms. Douglas indicated that when the equalization tank overflows, the discharge is limited to a confined area and the overflow is clear.
  - b. On November 27, 2010, a spill to the creek occurred from the disk filters. This spill was reported through the facility's new sanitary sewer overflow reporting station 3PW00001300.
  - c. The aeration tanks and equalization tank overflowed on 2/14/11 due to snow melt. Sludge overflowed onto the ground.

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This office has recently reviewed your self-monitoring reports covering the period May 1, 2010 through January 31, 2011 for the referenced facility. Our review indicates violations of the terms and conditions of your NPDES permit. The specific instances of noncompliance are as follows:

**Frequency Violations**

Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
001	31616	Fecal Coliform	1/Week	1	0	07/01/2010

**Limit Violations**

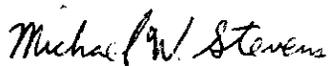
Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.5	2.29444	6/1/2010
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.5	.89461	6/1/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	7.95	6/22/2010
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.8	3.27421	6/22/2010
001	80082	CBOD 5 day	30D Qty	3.8	4.07503	2/1/2011
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	3.8	4.57834	2/15/2011
001	80082	CBOD 5 day	7D Qty	5.7	10.5677	2/15/2011
001	80082	CBOD 5 day	7D Qty	5.7	5.73238	2/22/2011

**Please notify this office in writing within 14 days receipt of this letter your intentions concerning items 12, 16, 17, and 19.**

Please be advised that such instances of noncompliance may be cause for enforcement actions pursuant to the Ohio Revised Code, Chapter 6111.

Should you have any comments or questions concerning this letter, please feel free to call me at (330) 963-1143.

Respectfully,



Michael W. Stevens  
Environmental Engineer  
Division of Surface Water

MWS/mt

cc: Ashley Wagner, AGO  
Jon VanDommelen, Ohio EPA, CO, DSW