



State of Ohio Environmental Protection Agency
Southwest District Office

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Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

May 13, 2009

Mr. Joe Raineri
5914 Ridge road
Parma, OH 44129

CERTIFIED LETTER

**RE: Pleasant Valley Estates, Inc. – NPDES No. 1PV00105/OH0127159
Compliance Evaluation Inspection/Notice of Violation – Clark County**

Dear Mr. Raineri:

On May 5, 2009, Sandra Leibfritz conducted an inspection at Pleasant Valley Estates MHP located at 2121 South Tecumseh Road, Springfield, Ohio. The park manager, Mike Bostick, was present only to unlock the gate. The tertiary treatment area was rated as unsatisfactory due to the poor condition of the surface sand filters. All other areas that were evaluated were rated as satisfactory. An inspection report for the facility is enclosed.

Good housekeeping practices must be developed and implemented by Pleasant Valley Estates. Good housekeeping practices include, but are not limited to the following:

- Disposal of rags and debris in the dumpster for disposal at a sanitary landfill.
- Inspect dumpsters and other waste containers periodically. Repair or replace leaky dumpsters and containers.
- Cover dumpsters and other waste containers.
- Train employees regularly on good housekeeping practices.
- Assign a person to be responsible for effective implementation of good housekeeping practices.

There are 6 items that require a response. We ask for a response no later than June 19, 2008. If you should have any questions about the inspection, please call Ms. Leibfritz at (937) 285-6104 or me at (937) 285-6034.

Sincerely,

Martyn G. Burt
Environmental Supervisor
Division of Surface Water

ec: Clark County Health Department
gregross@winelco.com

Permit #: 1PV00105*BD
 NPDES #: OH0127159



State of Ohio Environmental Protection Agency
 Southwest District Office

NPDES Compliance Inspection Report
 Semi-Public Sewage Disposal Inspection Form

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PV00105*BD	OH0127159	5/05/2009	C	S	11

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Pleasant Valley Estates Inc. 2121 South Tecumseh Road Springfield, OH 45502	12:25 p.m.	January 1, 2006
	Exit Time	Permit Expiration Date
	1:10 p.m.	December 31, 2010
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Mike Bostick, Park Manager	Unknown	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Greg Ross, Winelco (contract operator) 6141 Centre Park Drive, West West Chester, OH 45069	513.755.8050	
Name, Address and Title of Responsible Official	Phone Number	
Joseph Raineri, Owner 5419 Ridge Road Parma, OH 44129	440.845-3633	

General Comments:

The park manger, Mike Bostick, was on medical leave. Mr. Bostick unlocked the gate, but did not enter the WWTP. As part of the inspection, I called and spoke to the operator of record, Greg Ross of Winelco. Mr. Ross reported that he inspected the WWTP yesterday (05/11/09).

Ohio EPA Inspector	Ohio EPA Reviewer
Sandra D. Leibfritz Division of Surface Water Southwest District Office Date: 5/13/09	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office Date: 5/13/09

Average Daily Design Flow:	0.052 MPD
Plant Serves:	258 lots
Average Daily Flow: (Period of Review):	0.03 MGD January 2008 through December 2008
Method of flow monitoring:	Hour meters on influent pumping
Type of alarms for plant:	Visual

Comments/Status:

On January 31, 2002, Ohio EPA issued a PTI (No. 05-11800) for upgrades to the existing wastewater treatment plant. The plant was designed to serve an average daily hydraulic flow of no more than 52,000 gallons. The plant consists of a lift station, flow equalization, two aeration tanks, two clarifiers, dosing chamber, four slow surface sand filters, u.v disinfection, post-aeration and a sludge holding tank.

Pretreatment

Type of Pretreatment: **NONE**
 Does the Trash Trap need pumped: **N/A**
 Maintenance of pretreatment components is: **N/A**

Comments/Status:

Influent Lift Station

Two Pumps present: **Yes**
 Both Pumps operational: **Yes**
 Alarm present: **Yes**
 Alarm operational: **Yes**
 Maintenance of equalization basin is: **Satisfactory**

Comments/Status:

Mr. Ross reported that both pumps and alarm system were operational. The alarm system is visual. Mr. Ross reported that approximately 2 months ago, a crane was brought in to remove the pumps from the lift station to clean the impellers. Rags and debris was observed on the ground near the influent lift station.

Equalization Basin - NA

Two Pumps present: **Yes**
 Both Pumps operational: **Yes**
 Alarm present: **Yes**
 Alarm operational: **Yes**
 Maintenance of equalization basin is: **Satisfactory**

Comments/Status:

Aeration was occurring in the equalization (EQ) basin. Rags and debris were observed in the EQ basin. There are two grinder pumps in the EQ basin. Rags and debris were also observed on the grating and hanging on different parts of the equipment. Mr. Ross reported that both pumps were operational. The EQ basin is not equipped with an alarm system.

**Secondary Treatment
(Aeration)**

Color of sludge: **Dark Brown**
 Quality of Sludge: **Heavy**
 Foam: **Heavy (dark)**
 Odor: **Slight**

	Yes	No		Yes	No
Aeration is taking place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Blowers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Blowers are on a timer	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Skimmers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diffusers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grating is present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sludge return is operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Maintenance of aerating equipment is...**Satisfactory**

Comments/Status:

Aeration was occurring in the aeration tanks. The plant is equipped with a timer; however, the blowers are on 24 hours / 7 days a week. All 4 RAS lines were operational and were returning dark brown solids. Both skimmers were operational and returning clear effluent. The blowers are manually alternated every 4 to 6 weeks. The operator reported that both blowers were operational; however, one blower motor keeps tripping the overload on the motor started. Mr. Ross reported that this will be repaired by the end of next week.

**Secondary Treatment
(Settling)**

Clarity: **Clear**
 Condition of Weir: **Excessive Algae/Solids Build Up**
 Weir is level: **Yes**
 Effluent in weir: **Light Solids**
 Clarifier walls need scraped: **No**

Overall maintenance of settling components is: **Satisfactory**

Comments/Status:

Mr. Ross reported that the sludge blanket is maintained at about 4' deep. Bulking solids were observed in the clarifier.

Tertiary Treatment

	Yes	No		Yes	No
Surface sand Filters: Slow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsurface	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Distribution box operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Beds alternated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are filters ponding/flooding	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Beds raked	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sand filters overgrown	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Chlorination present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
UV present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Dechlorination present	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Overall maintenance of components is: **Unsatisfactory**

Comments/Status:

There are four sand filters. Three of the four filters were not operational. One filter had solids drying on the surface. The effluent was ponding on another filter and the third filter was blinded. There was one filter where the solids were raked to the filter wall. Solids were observed on the filter wall and solids/sand mixture was observed on the ground surrounding the sand filters. The roll-on box was full of solids. Mr. Ross reported that the uv system was placed into operation on April 6, 2009.

Sludge Handling/Storage Disposal

Hauler name: **Unknown**
 Disposal Site: **Unknown**
 Sludge wasted from: **Clarifier**
 How often is sludge wasted: **Daily to Sludge Holding Tank**
 Sludge drying beds: **No** Sludge holding tank: **Yes**

Overall maintenance of components is: **Unsatisfactory**

Comments/Status:

The park manager waste sludge on a daily basis.

Plant Discharge

Discharge point is a: **Stream**
 Name of discharge point: **Unnamed tributary of the Mad River**
 Discharge is visible: **Yes**
 Quality of Effluent: **Clear**

Comments/Status:

Items Requiring a Response

1. The lack of a pretreatment device (e.g., trash trap) is causing operational and maintenance problems for the influent lift station and equalization basin. Installing a pretreatment device can reduce maintenance and labor cost. Ohio EPA recommends that Pleasant Valley MHP submit a Permit-to-Install application and detail plans for a pretreatment device.
2. Debris and rags were observed on the ground near the lift station, on the grating to the treatment units and on other equipment. The debris and rags must be picked up and properly disposed of at a sanitary landfill. Provide written notification that these areas have been cleaned up. Also, provide a written response that describes the action that will be taken for collecting and disposing of the debris/rags.
3. There is no alarm system on the equalization basin. Ohio EPA recommends that Pleasant Valley MHP submit a Permit-to-Install application and detail plans for an alarm system.
4. There are solids on the filter wall and solids/sand mixture surrounding the sand beds. All solids and solids/sand mixture must be cleaned up and placed in the dumpster. There is a roll-off dumpster in the fenced in area near the sand filter beds. This dumpster is full of solids and on the verge of overflowing. Provide written notification that the contents of the dumpster has been properly disposed of at a sanitary landfill.
5. Ohio EPA's standard requires 18 inches of filter media in the sand filters. What is the depth of sand in the sand filters? If this standard is not met, provide a timeline for meeting this standard.
6. Excessive inflow and infiltration (I/I) is causing operational and maintenance problems for the surface sand filters. Installing additional flow equalization and/or reducing the I/I into the collection system can reduce maintenance and labor cost. Ohio EPA recommends that Pleasant Valley install additional equalization basin and/or reduce I/I into the collection system.

FINAL EFFLUENT LIMITATION VIOLATIONS FOR OUTFALL 1PV00105001
Period of Review: January and February 2009

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
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None reported.

FREQUENCY VIOLATIONS FOR OUTFALL 1PV00105001
Period of Review: January and February 2009

Reporting Period	Parameter	Sample Frequency	Expected	Reported	Violation Date
February 2009	Water Temperature	1/Day	1	0	02/03/2009
February 2009	Water Temperature	1/Day	1	0	02/04/2009
February 2009	Water Temperature	1/Day	1	0	02/24/2009
February 2009	Water Temperature	1/Day	1	0	02/26/2009
February 2009	Color, Severity	1/Day	1	0	02/03/2009
February 2009	Color, Severity	1/Day	1	0	02/04/2009
February 2009	Color, Severity	1/Day	1	0	02/24/2009
February 2009	Color, Severity	1/Day	1	0	02/26/2009
February 2009	Odor, Severity	1/Day	1	0	02/03/2009
February 2009	Odor, Severity	1/Day	1	0	02/04/2009
February 2009	Odor, Severity	1/Day	1	0	02/24/2009
February 2009	Odor, Severity	1/Day	1	0	02/26/2009
February 2009	Turbidity, Severity	1/Day	1	0	02/03/2009
February 2009	Turbidity, Severity	1/Day	1	0	02/04/2009
February 2009	Turbidity, Severity	1/Day	1	0	02/24/2009
February 2009	Turbidity, Severity	1/Day	1	0	02/26/2009



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