



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korleski, Director



1PV0010520080923

CLARK

PLEASANT VALLEY EST MHP

LEIBFRITZ, SANDRA 2008/09/23



State of Ohio Environmental Protection Agency

401 East Fifth Street
Dayton, Ohio 45402-2911

Southwest District Office

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www.epa.state.oh.us

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

September ²³~~18~~, 2008

Joseph Raineri, President
5419 Ridge Road
Parma, OH 44129

**RE: Pleasant Valley MHP – NPDES No. 1PV00105*BD/OH0127159
Self-Monitoring Report Notice of Violation – July 2007 through August 2008
Compliance Evaluation Inspection – Clark County**

Dear Mr. Raineri:

On September 8, 2008, Sandra Leibfritz conducted an inspection at Pleasant Valley MHP located at 2125 South Tecumseh Road, Springfield, Ohio. Bob Gomez of Winelco was representing the facility. All areas that were evaluated were rated as satisfactory. Enclosed is a copy of the inspection report.

There are six items that require a response. No later than October 10, 2008, we ask for a response describing the actions taken to resolve these issues. 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

cc: Clark County Health Department





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	09/08/08	C	S	11

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Pleasant Valley MHP Inc. 2125 South Tecumseh Road Springfield, OH 45502	9:00 a.m.	January 1, 2006
	Exit Time	Permit Expiration Date
	12:30 p.m.	December 31, 2010
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)
Bob Gomez, Class I (contract operator)		(513) 755-8050
Name(s), Address and Title(s) of Operator of Record		Phone Number(s)
Michael J. Ullman, Operator Winelco Inc 6141 Centre Park Drive West Chester, OH 45069		(513) 755-8050
Name, Address and Title of Responsible Official		Phone Number
Joseph Raineri, President 5419 Ridge Road Parma, OH 44129		(440) 885-2800

Ohio EPA Inspector	Ohio EPA Reviewer
<i>Sandra D. Leibfritz</i> 9/19/08 Date	<i>Martyn Burt</i> 9/23/08 Date
Sandra D. Leibfritz Division of Surface Water Southwest District Office	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office

Average Daily Design Flow:	52,000 Gallons/Day
Plant Serves:	258
Average Daily Flow: (Period of Review):	0.03 MGD (January 2008 through August 2008)
Method of flow monitoring:	Hour meters on influent pumping
Type of alarms for plant:	visual

Comments/Status:

The WWTP consists of influent lift station, flow equalization, two aeration tanks, two clarifiers, dosing tank, slow surface sand filters, uv disinfection, post aeration, and sludge holding tank.

Pretreatment

Type of Pretreatment: **None**
 Does the Bar Screen need raked: **N/A**
 Maintenance of pretreatment components is: **N/A**

Comments/Status:

The lack of a pretreatment device (e.g., trash trap) causes operational problems with the influent lift station and equalization basin.

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:

The alarm system and both pumps were reported as operational. Approximately every 6 months, a crane is brought in to remove the pumps for cleaning. Rags and debris clog the pumps. Approximately, once or twice a month, the pumps are backwashed to clean the impellers. Debris and rags were observed on ground near the influent lift station.

Equalization Basin

Two Pumps present: **Yes**
 Both Pumps operational: **Yes**
 Alarm present: **No**
 Alarm operational: **N/A**
 Maintenance of equalization basin is: **Marginal**

Comments/Status:

Due to the lack of a pretreatment device (trash trap), debris and oil & grease float on the surface of the equalization basin. This causes operational problems with the floats and the aeration systems. There is no alarm system on the equalization basin.

**Secondary Treatment
 (Aeration)**

Color of sludge: **Dark Brown**
 Quality of Sludge: **Heavy**
 Foam: **None present**
 Odor: **Objectional odor present**

	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 checked="" type="checkbox"/>	Blowers are on a timer	<input checked="" 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:

Upon arrival at the WWTP, both blowers were not working. Winelco had been called on the previous day (9/7/08) to service the blowers. Strong sewage odors were emanating from the WWTP. The condition of the aeration tanks and clarifiers was in poor condition. To allow the operator time to fix the blowers, I left the WWTP and returned to conduct the inspection at a later time. Upon my return, one of the blowers was operational. The second blower is scheduled to be repaired within the week. Both the aeration tanks and clarifiers were in better condition.
 Blowers are on 24 hours/7 days a week during the winter months and on a timer during the summer months. Blowers are alternated. All RAS lines were operational. Three of the four RAS lines were returning brown solids and one was returning clear wastewater to the aeration tanks.

**Secondary Treatment
 (Settling)**

Clarity: **Cloudy**
 Condition of Weir: **Solids Build Up**
 Weir is level: **Yes**
 Effluent in weir: **Heavy Solids**
 Clarifier walls need scraped: **No**

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

Comments/Status:

The operator scrapes the clarifier walls once a week; however, the on-site manager is supposed to scrape the clarifier walls on a daily basis.

Tertiary Treatment

	Yes	No		Yes	No
Surface sand filters: Slow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Post-aeration	<input checked="" type="checkbox"/>	<input 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: **Satisfactory**

Comments/Status:

There are four slow surface sand filters. One of the four filters was clogged with solids. The operator reported that sand filters become clogged during significant rain events (I/I).
 The dosing chamber has two pumps. The alarm system (visual) and both pumps were operational.

Sludge Handling/Storage Disposal

Hauler name: **Unknown**
 Disposal Site: **Unknown**
 Sludge wasted from: **Sludge holding tank**
 How often is sludge wasted: **Sludge was hauled from the WWTP in early spring.**
 Sludge drying beds: **No** Sludge holding tank: **Yes**

Overall maintenance of components is: **Marginal**

Comments/Status:

The operator uses spin test to determines how much and often to waste solids from the WWTP.

Plant Discharge

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

Comments/Status:

EFFLUENT LIMIT VIOLATIONS
(Period of Review: July 2007 through August 2008)

7D = Weekly 30D = Monthly 1D = Daily Conc. = Concentration (mg/l) Qty.= Quantity (Kg/Day)

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
July 2007	Nitrogen, Ammonia (NH3)	30D Conc	1.0	8.3	7/1/2007
July 2007	Nitrogen, Ammonia (NH3)	7D Conc	1.5	9.	7/1/2007
July 2007	Nitrogen, Ammonia (NH3)	30D Qty	0.2	.74224	7/1/2007
July 2007	Nitrogen, Ammonia (NH3)	7D Qty	0.3	.85163	7/1/2007
July 2007	Nitrogen, Ammonia (NH3)	7D Conc	1.5	7.6	7/15/2007
July 2007	Nitrogen, Ammonia (NH3)	7D Qty	0.3	.63285	7/15/2007
June 2008	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.755	6/1/2008
June 2008	Nitrogen, Ammonia (NH3)	30D Qty	0.2	.27102	6/1/2008
June 2008	Nitrogen, Ammonia (NH3)	7D Conc	1.5	5.5	6/15/2008
June 2008	Nitrogen, Ammonia (NH3)	7D Qty	0.3	.54126	6/15/2008
July 2008	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.275	7/1/2008
July 2008	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.7	7/1/2008
August 2008	Fecal Coliform	30D Conc	1000	3300.	8/1/2008
August 2008	Fecal Coliform	7D Conc	2000	3300.	8/8/2008

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. The debris and rags must be picked up and properly disposed of at a sanitary landfill. No later than October 10, 2008, provide written notification that this area has 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 is a dumpster in the fenced in area near the sand filter beds. This dumpster is full of solids and on the verge of overflowing. No later than October 10, 2008, 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. In reviewing the flow data for January through August 2008, Pleasant Valley has reported flows up to 0.105 MGD. There has been 15 days where flow has exceeded the WWTP's design of 0.052 MGD. 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.