

Savage



**Environmental  
Protection Agency**

Gov. Strickland, Governor  
Lee Fisher, Lt. Governor  
Chris Krieser, Director

September 29, 2010

Ms. Mary Gerbus  
The Pines MHP  
11779 Stone Mill Road  
Cincinnati, Ohio 45251

Re: Butler County, The Pines MHP; Compliance Evaluation Inspection

Dear Ms. Gerbus:

On September 28, 2010, I conducted a Compliance Evaluation Inspection at The Pines MHP (NPDES Permit No. OH0127329; OEPA Permit No. 1PV00107\*BD). The inspection was also conducted as part of renewing the NPDES Permit. Representing this facility was Carl Wurzelbacher and Greg Ross. A copy of my inspection report is enclosed.

The inspection report contains one marginal area. The Effluent / Receiving Waters section was rated marginal as a result of the NPDES Permit violations. This issue has been addressed. Therefore, no response is required at this time.

If you have any questions, please call me at (937) 285-6096.

Sincerely,

Ned Sarle  
Division of Surface Water  
Permits Section

Enclosure

cc: Greg Ross, Winelco, Inc.





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
1PV00107*BD	OH0127329	9/28/2010	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
The Pines MHP 2174 Jackson Road Hamilton, Ohio	9:40 A.M.	3/1/2006
	Exit Time	Permit Expiration Date
	10:55 A.M.	2/28/2011
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Carl Wurzelbacher, WWTP Operator Greg Ross, Winelco, Inc.	(513) 615-3747 (513) 755-8050	
Name, Address and Title of Responsible Official	Phone Number	
Mary Gerbus, Treasurer 11779 Stone Mill Road Cincinnati, Ohio 45251	(513) 385-0249	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	S	Compliance Schedule
S	Operations & Maintenance	M	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	N	Other
S	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
See Attached Summary of Findings / Comments.	
Inspector	Reviewer
<i>Ned Sarle</i> 9/29/10	<i>Maryn Burt</i> 9/29/2010
Ned Sarle Permit Section Division of Surface Water Southwest District Office	Maryn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office

Permit #: 1PV00107\*BD  
 NPDES #: OH0127329

Average Daily Design Flow:	<b>23,500 Gallons/Day</b>
Plant Serves:	Mobile Home Park
Average Daily Flow: (Period of Review):	<b>15,200 Gallons/Day (March 2006 through August 2010)</b>
Method of flow monitoring:	<b>Elapse time meters for SSF dosing pumps</b>
Type of alarms for plant:	<b>High water alarms for influent pump station, flow equalization tank &amp; dosing tank.</b>

**Pretreatment**

Type of Pretreatment: **Other**  
 Does the Trash Trap need pumped: **No**  
 Maintenance of pretreatment components is: **Good**

**Comments/Status:**

Grinder pumps provided in pump station.

**Secondary Treatment  
(Aeration)**

Color of sludge: **Medium Brown**  
 Quality of Sludge: **Medium**  
 Foam: **None present**  
 Odor: **No objectionable 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 type="checkbox"/>	Blowers are on a timer	<input checked="" type="checkbox"/>	<input 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...**Good**

**Comments/Status:**

Blowers are on 45 minutes and off for 15 minutes (summer). Blowers are on 30 minutes and off for 30 minutes (winter).

**Secondary Treatment  
(Settling)**

Clarity: **Clear**  
 Condition of Weir: **Clean**

Permit #: 1PV00107\*BD  
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Weir is level: **Yes**  
Effluent in weir: **Clear**  
Clarifier walls need scraped: **No**

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

**Comments/Status:**

None.

**Tertiary Treatment**

	Yes	No		Yes	No
Surface sand Filters: <b>Slow</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Subsurface</b>	<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 type="checkbox"/>	<input checked="" 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: **Excellent**

**Comments/Status:**

None.

**Sludge Handling/Storage Disposal**

Hauler name: **Winelco, Inc.**  
Disposal Site: **Butler County LeSourdsville WWTP**  
Sludge wasted from: **Sludge return**  
How often is sludge wasted: **Monthly**  
Sludge drying beds: **No** Sludge holding tank: **Yes**

Overall maintenance of components is: **Good**

**Comments/Status:**

None.

**Plant Discharge**

Discharge point is a: **Ditch**  
Name of discharge point: **Unnamed tributary of the Great Miami River**  
Discharge is visible: **Yes** Quality of Effluent: **Clear**

**Comments/Status:**

None.

Permit #: 1PV00107\*BD  
NPDES #: OH0127329

### **Summary of Findings / Comments**

A review of the Discharge Monitoring Reports (DMRs) for March 2006 through August 2010 indicated several violations. These violations are noted on Attachment I. The Pines MHP should take all feasible action to prevent violations. Future violations must continue to be reported as required by the NPDES Permit as detailed in Part III, Section 12 titled "Noncompliance Notification."

The WWTP consists of a pump station, a flow equalization tank, an aeration tank, a secondary clarifier, a dosing tank, four surface sand filters and an ultraviolet disinfection system. An aerated sludge holding tank is also provided.

The Pines MHP consists of 76 available lots of which approximately 50 are occupied. One of the two available apartment units is also occupied.

The WWTP is designed for an average design daily flow rate of 23,500 gpd and a peak design daily flow rate of 117,383 gpd. A review of the DMRs indicated an average daily flow rate of 15,200 gpd and a peak daily flow rate of 147,000 gpd. The Pines MHP should minimize the infiltration and inflow sources as much as possible.

Overflows from the sewage collection and treatment system have not occurred during the noted period.

The sludge generated from the WWTP is hauled to the Butler County LeSourdsville WWTP. In 2009, 0.5 dry tons of sludge were hauled from this WWTP.

Attachment I

Effluent Limit Violations for March 2006 through August 2010

Reporting Period	Parameter	Limit Type	Units	Limit	Reported Value
March 2006	CBOD5	Monthly	mg/l	10	15
April 2006	Ammonia	Monthly	mg/l	3.0	3.5
April 2006	Ammonia	Monthly	kg/day	0.27	0.33
April 2006	DO	Daily	mg/l	6.0	4.9
September 2006	DO	Daily	mg/l	6.0	5.3
May 2007	DO	Daily	mg/l	6.0	4.5
May 2007	DO	Daily	mg/l	6.0	3.7
June 2007	Ammonia	Monthly	mg/l	1.0	2.9
June 2007	Ammonia	Weekly	mg/l	1.5	2.9
June 2007	Ammonia	Monthly	kg/day	0.089	0.11
June 2007	DO	Daily	mg/l	6.0	5.1
October 2009	Ammonia	Monthly	mg/l	1.0	3.8
October 2009	Ammonia	Weekly	mg/l	1.5	3.8
October 2009	Ammonia	Monthly	kg/day	0.089	0.27
October 2009	Ammonia	Weekly	kg/day	0.13	0.27
June 2010	DO	Daily	mg/l	6.0	5.8

