



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

June 26, 2013

Mr. Eric Estridge
Great Parks of Hamilton County
10245 Winton Road
Cincinnati, Ohio 45231

**RE: Hamilton County, Embshoff Woods Rivermount Pavilion
Compliance Evaluation Inspection**

Dear Mr. Estridge:

On June 19, 2013, I conducted a Compliance Evaluation Inspection at the Embshoff Woods Rivermount Pavilion WWTP (NPDES Permit No. OH0132233; OEPA Permit No. 1PG00103*BD). The inspection was also conducted as part of the NPDES Permit renewal. Representing this facility was Harry Perry, Ralph Dillman, Kevin Brill, Dave Lewis, Jackie O'Connell, Dan Wuebbeler, Dave Markland and you. A copy of my inspection report is enclosed.

The inspection report contains one unsatisfactory area. The Effluent/Receiving Waters section was rated unsatisfactory as a result of the NPDES Permit violations. Due to the age of the WWTP, we would encourage the park system to replace it sooner than later.

The areas noted in the report summary are currently being addressed. Therefore, a response is not required at this time. If you have any questions, please call me at (937) 285-6096.

Sincerely,

Ned Sarle
Environmental Specialist
Division of Surface Water - Permits Section

NS/tb

Enclosure

ec: Harry Perry, Great Parks of Hamilton County
Dan Wuebbeler, Environmental Wastewater Services LLC



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
1PG00103*BD	OH0132233	6/19/2013	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Great Parks of Hamilton County Embshoff Woods Rivermount Pavilion 4050 Paul Road Cincinnati, Ohio 45238	10:15 AM	8/1/2008
	Exit Time	Permit Expiration Date
	11:15 AM	7/31/2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Eric Estridge, Park Manager	(513) 616-4241	
Harry Perry, Operations Field Coordinator	(513) 825-8537 ext. 110	
Ralph Dillman, Park Crew Leader	(513) 616-3233	
Kevin Brill, Park Engineer	(513) 728-3551 ext. 253	
Dave Lewis, West District Superintendent	(513) 678-7512	
Jackie O'Connell, Operations Superintendent	(513) 256-8003	
Dan Wuebbeler, Environmental Wastewater Services LLC	(513) 526-1765	
Dave Markland, Environmental Wastewater Services LLC	(513) 526-2077	
Name, Address and Title of Responsible Official	Phone Number	
Eric Estridge, Park Manager 10245 Winton Road Cincinnati, Ohio 45231	(513) 616-4241	

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	U	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
 Ned Sarle Permit Section Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
6/26/13 Date	6/26/13 Date

Permit #: 1PG00103*BD

NPDES #: OH0132233

Average Daily Design Flow:	720 Gallons/Day
Plant Serves:	County Park
Average Daily Flow: (Period of Review):	255 Gallons/Day (November 2009 through April 2013)
Method of flow monitoring:	Water usage
Type of alarms for plant:	None

Pretreatment

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

Comments/Status:

Trash trap pumped out two times a year.

Secondary Treatment (Aeration)

Color of sludge: **Light Brown**
Quality of Sludge: **Thin**
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 for 45 minutes and off for 30 minutes.

Secondary Treatment (Settling)

Clarity: **Clear**
Condition of Weir: **Clean**
Weir is level: **Yes**
Effluent in weir: **Clear**

Permit #: 1PG00103*BD
NPDES #: OH0132233

Clarifier walls need scraped: **No**

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

Comments/Status:

None.

Tertiary Treatment

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

Overall maintenance of components is: **Good**

Comments/Status:

The chlorination system is up stream of the gravel upflow filter.

Sludge Handling/Storage Disposal

Hauler name: **AK Butler**
Disposal Site: **MSD Mill Creek WWTP**
Sludge wasted from: **Aeration tank**
How often is sludge wasted: **As needed**
Sludge drying beds: **No** Sludge holding tank: **No**

Overall maintenance of components is: **Good**

Comments/Status:

None.

Plant Discharge

Discharge point is a: **Ravine**
Name of discharge point: **unnamed tributary of the Ohio River**
Discharge is visible: **Yes** Quality of Effluent: **Clear**

Comments/Status:

WWTP sign posted as required by the NPDES Permit.

Permit #: 1PG00103*BD

NPDES #: OH0132233

Summary of Findings / Comments

A review of the Discharge Monitoring Reports (DMRs) for November 2009 through April 2013 indicated several permit violations. These violations are listed below. Please take all necessary action to prevent future violations. All future violations must continue to be reported as required by the NPDES Permit as detailed in Part III.12 titled "Noncompliance Notification."

Reporting Period	Parameter	Limit Type	Units	Permit Limit	Reported Value
August 2010	Ammonia	Monthly	mg/l	1.0	1.3
June 2011	Fecal Coliform	Monthly	#/100ml	1000	1200
August 2011	Ammonia	Monthly	mg/l	1.0	8.2
August 2011	Ammonia	Monthly	kg/day	0.003	0.02
June 2012	Ammonia	Monthly	mg/l	1.0	1.1
August 2012	Ammonia	Monthly	mg/l	1.0	1.1

The WWTP is required to be supervised by a Class A WWTP operator. Dan Wuebbeler is the Operator of Record, and he is a Class I wastewater operator. Ralph Dillman is also a Class A operator, and he is at the site several times a week. Ralph Dillman and any other park district's Class A operators should be added as the Operator of Record for this treatment system.

The certified operator is required to be at the WWTP two times a week for a minimum of one hour. This requirement is addressed in Part II, Section A of the NPDES Permit. With the operator logbook missing, we can't confirm if the minimum staffing requirements are being achieved. The facility indicated that this logbook would be provided immediately.

The WWTP consists of a trash trap, an aeration tank, a secondary clarifier, a chlorinator, an up flow gravel filter and a dechlorination system.

The WWTP flow rate is monitored using water usage records. The treatment plant is designed for an average daily flow rate of 720 gpd. A review of the DMRs for the noted period indicated that the average and peak flow rates were 255 gpd and 13,815 gpd. The WWTP typically does not discharge between December and April of each year.

Sludge is hauled from the aeration tank. In 2012, 1500 gallons of sludge were hauled to the MSD Mill Creek WWTP.