



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

March 25, 2013

RE: CUYAHOGA COUNTY
OLMSTED TOWNSHIP
COLUMBIA PARK
7100 COLUMBIA ROAD
NPDES PERMIT NO. OH0044741
OHIO EPA PERMIT NO. 3PV00013

Kenneth Burnham
Columbia Park MHC East, LLC
642 Kreag Road, Suite 302
Pittsford, NY 14534-3736

Dear Mr. Burham:

Please find enclosed a copy of the laboratory data compiled by Ohio EPA for the samples collected on February 5-6, 2013, at the Columbia Park wastewater treatment plant (WWTP). The facility was represented by Tonya Ramsey, Park Manager, and Mark Kalinowski, Treatment Plant Operator. During the course of the visit, 24-hour composite and grab samples were collected of the plant effluent at Outfall 001; the composite samples were collected using the facility's automatic sampler. The samples were split with the facility for comparative analyses.

NPDES Permit Status

The National Pollutant Discharge Elimination System (NPDES) permit for this facility was issued effective on June 1, 2006 and expired on May 31, 2011. The permit authorizes the discharge of 0.250 MGD of treated effluent to an unnamed tributary of the West Branch of the Rocky River.

Facility Description

Columbia Park is a gated land-lease community. Agency records indicate that the WWTP serves approximately 1,000 residential lots and a small strip plaza. Both the water distribution and wastewater treatment systems are regulated public utilities pursuant to Ohio Revised Code (ORC), Chapter 4905.

Sanitary wastewater is conveyed to a main lift prior to being pumped to the WWTP. The WWTP consists of a rotostrainer, 125,000 gpd Cantex treatment unit and 125,000 gpd Aero-Mod treatment unit in parallel, tertiary rapid sand filter, chlorination/dechlorination contact tank. Sludge handling equipment consists of aerated sludge holding and sludge drying beds. The dewatered sludge is disposed by landfilling.

Inspection Findings/Compliance Status

At the time of the inspection, the following findings and/or observations were noted:

1. In general, the operation and maintenance of the treatment processes and equipment has improved over the past year. However, the Aero-Mod unit continues to exhibit poor operational performance. We understand that the facility is continuing to work with Hess & Associates, Inc. on the necessary plant and collection system improvements. It is the expectation of this office that the improvements will be implemented in a timely manner.

2. A visual observation of the plant effluent revealed no signs of floating debris, oil & grease, or foam in the discharge. Additionally, no adverse impact was evident within the stream mixing zone.

3. The review of the plant laboratory noted that the following permit parameters are currently being analyzed in-house: DO, pH, Temperature, and Chlorine. The remaining permit parameters are analyzed by AKE Environmental & Construction Services, Inc. The following highlights were noted and discussed with Mr. Kalinowski:
 - The thermometer in the automatic sampler should be replaced.
 - The facility needs to maintain a calibration/maintenance logbook for the YSI DO meter.
 - The pH 10 buffer solution was expired.
 - The facility must ensure that daily flow readings are recorded @ 24 hour intervals (+/- 2 hrs.)

4. Ohio EPA's analytical data revealed that the plant discharge was in compliance with the respective NPDES permit effluent concentration limitations. Additionally, a comparison of the facility's contract laboratory data showed general agreement in the analytical results:

Parameter	AKE Environmental	Ohio EPA
cBOD	5.0	<2.0
Suspended Solids	3.0	<5.0
Ammonia	0.17	0.105
Phosphorus	1.3	1.19

Discharge Monitoring Reports

Discharge monitoring reports (DMR) received by Ohio EPA for period, February 2012 through January 2013, were evaluated for compliance with the final effluent limitations of the NPDES permit. The specific violations of the NPDES permit at Outfall 001 are as follows:

Columbia Park (3PV00013) Effluent Limitation Violations (2/2012 – 1/2013)						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2012	001	Total Suspended Solids	1D Conc	18	40.	3/1/2012
March 2012	001	Total Suspended Solids	1D Qty	17.0	24.8296	3/1/2012
April 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	6.0	6.03	4/19/2012
May 2012	001	Fecal Coliform	1D Conc	2000	4100.	5/3/2012
May 2012	001	Fecal Coliform	1D Conc	2000	10400.	5/8/2012
May 2012	001	Fecal Coliform	1D Conc	2000	10200.	5/10/2012
May 2012	001	Fecal Coliform	1D Conc	2000	4300.	5/15/2012
May 2012	001	Fecal Coliform	1D Conc	2000	2600.	5/22/2012
May 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	2.3	2.64	5/24/2012
May 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	2.3	4.25	5/29/2012
May 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	2.3	3.78	5/31/2012
June 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	2.3	3.08	6/12/2012
July 2012	001	Nitrogen, Ammonia (NH3)	30D Conc	1.5	6.09222	7/1/2012
July 2012	001	Nitrogen, Ammonia (NH3)	30D Qty	1.4	1.515	7/1/2012
July 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	2.3	9.1	7/5/2012

Columbia Park (3PV00013) Effluent Limitation Violations (2/2012 – 1/2013)						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
July 2012	001	Total Suspended Solids	1D Conc	18	49.	7/10/2012
July 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	2.3	22.5	7/10/2012
July 2012	001	Nitrogen, Ammonia (NH3)	1D Qty	2.2	7.32398	7/10/2012
July 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	2.3	13.7	7/12/2012
July 2012	001	Nitrogen, Ammonia (NH3)	1D Qty	2.2	4.5632	7/12/2012
July 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	2.3	5.68	7/17/2012
July 2012	001	Fecal Coliform	1D Conc	2000	24700.	7/17/2012
July 2012	001	pH	1D Conc	6.5	6.4	7/25/2012
July 2012	001	pH	1D Conc	6.5	6.1	7/27/2012
August 2012	001	Nitrogen, Ammonia (NH3)	30D Conc	1.5	2.39556	8/1/2012
August 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	2.3	5.53	8/9/2012
August 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	2.3	9.75	8/21/2012
August 2012	001	Nitrogen, Ammonia (NH3)	1D Qty	2.2	4.39155	8/21/2012
September 2012	001	Nitrogen, Ammonia (NH3)	1D Conc	2.3	6.13	9/18/2012
October 2012	001	Total Suspended Solids	1D Conc	18	21.	10/4/2012
October 2012	001	Fecal Coliform	1D Conc	2000	4860.	10/25/2012
October 2012	001	Fecal Coliform	1D Conc	2000	6300.	10/30/2012
October 2012	001	CBOD 5 day	1D Qty	14.2	16.6687	10/30/2012

Summary

Please be advised that any violations referenced herein are subject to appropriate enforcement actions pursuant to Chapter 6111 of the Ohio Revised Code. Such actions can result in the imposition of fines of up to \$10,000 per day of violation.

Failure to list specific deficiencies or violations in this communication does not relieve Columbia Park from the responsibility of complying with all applicable Ohio EPA laws and regulations. Please be advised that present or past instances of non-compliance can continue as subjects of pending or future enforcement actions.

If you should have any questions, please contact this office at (330) 963-1196.

Respectfully,



Ermelindo Gomes
Environmental Engineer
Division of Surface Water

EG/cs

Attachments

cc: Tonya Ramsey, Columbia Park
Jim Wing, PUCO

Laboratory Inorganic Analysis Data Report

Sample	150645		
Date Received	02/07/2013 7:39 AM	Matrix	WW
	Begin	End	
Date Collected	02/05/2013 10:15 AM	02/06/2013 10:15 AM	
Program	NEDO-DSW		Collected by
Client	DSW		GOMES, ERM
OEPA Division	DSW		Sample Type
Location	Columbia Park 001		COMPLIANCE
			Station ID
			Customer ID
			External ID

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
<i>CBOD-5</i>	CBOD5	P80082	<2.0	2	mg/L	02/08/2013	
<i>Solids_Susp</i>	Total Suspended Solids	P530	<5	5	mg/L	02/07/2013	
<i>Ammonia</i>	Ammonia	P610	0.105	0.05	mg/L	02/21/2013	
<i>TP</i>	Total Phosphorus	P665	1.19	0.05	mg/L	02/08/2013	

Field Comments Used Permittee's Automatic Sampler

Lab Comments

QC / Sample Comments

Approved By VDESHMUKH On 02/26/2013