



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

September 3, 2013

Re: Pretreatment
Apex Environmental LLC
Compliance Inspection
IDP No. 0DP00050*BP
City Of Steubenville

Mr. Dave Matthews, General Manager
Apex Environmental, LLC
11 County Road 78, P.O. Box 157
Amsterdam, Ohio 43903

Dear Mr. Matthews:

On August 13, 2013, I inspected Apex Sanitary Landfill. The inspection was conducted to evaluate the facility's compliance with federal and state pretreatment regulations and its Indirect Discharge Permit (IDP). You represented Apex Sanitary Landfill during the inspection.

Apex is a municipal sanitary waste landfill. The facility receives an average of between 5000 and 5500 tons per day of sanitary waste, construction and demolition debris, and special wastes. Some well drilling cuttings and wastewater treatment sludges are also accepted. Roughly 75% of the waste received is municipal sanitary waste. Current maximum permitted daily waste receipt is 7500 tons. The wastes are disposed together in the active cell at the landfill. Leachate is collected and pumped into a 550,000 gallon steel storage tank. The tank is equipped with level sensors and secondary containment. A loading pad with a sump is provided to contain any spills that may occur during loading of leachate tanker trucks.

Apex has an Ohio EPA IDP which authorizes the discharge of leachate to the City of Steubenville. The City of Steubenville does not accept leachate on days when the treatment facility is bypassing. Average daily flows to Steubenville were roughly 41,000 gallons during the past year. Flows are estimated using the weights of leachate tank trucks before and after loading.

Apex also has a contract to dispose of leachate at the City of Alliance POTW. Roughly half of the leachate is disposed at each POTW on an annual basis.

Required Actions:

1. Part I.A. Paragraph 2 of Apex's Indirect Discharge Permit specifies that samples are to be collected from the leachate tank truck during discharge to the Steubenville WWTP. Apex reported it collects some samples directly from the leachate tank at the landfill. Apex should collect all samples at the Steubenville WWTP in accordance

with the procedures specified in Part I.A. paragraph 3 of the IDP, which requires composite samples to be collected at the beginning, middle and end of the discharge.

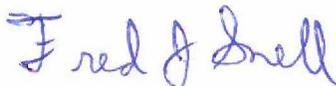
2. Rain water had accumulated in the secondary containment system for the leachate holding tank. Apex reported there was a problem with the sump pump. The pumping system should be repaired as soon as practical and the accumulated water should be pumped into the tank to maintain adequate holding capacity in the containment system. Please notify Ohio EPA when these actions are completed.

Comments:

1. Apex Environmental added a solidification facility since the previous inspection. The facility has been used exclusively to stabilize drilling muds to date. Lime, sawdust, and/or polymer are used in the process. The solidification facility was damaged during a tornado in May of 2013 and has not been used since. Please notify Ohio EPA when the solidification facility is returned to service.
2. Ammonia concentrations in Apex Environmental's leachate have increased dramatically since 2011. The City of Steubenville installed a receiving tank at the WWTP in June, 2013 to slow the discharge rate during leachate deliveries and reduce shock loading to the WWTP. You indicated that gas condensation from on site landfill gas wells was a suspected source of the ammonia. Please develop and implement an ammonia testing study to identify the most significant source(s) of ammonia in the leachate. Please forward the results of your findings to Ohio EPA within 90 days.
3. The paddle mixer in the leachate tank failed and the leachate can no longer be mixed while in the tank. You indicated Apex was planning to install jet mixers in the near future. Please notify Ohio EPA when the mixer has been repaired or replaced.

Please respond to this letter in writing within 30 days. You may contact me at (740) 380-5423 with any questions.

Sincerely,



Fred J. Snell
District Representative
Division of Surface Water

FJS/dh

Enclosure

- c: Chuck Murphy, Supt. of Wastewater, City of Steubenville
- c: Pretreatment Unit, DSW, CO
- c: Donna Kniss, DSW, NEDO



State of Ohio Environmental Protection Agency
Southeast District Office

Pretreatment Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES #	Month/Day/Year	Inspection Type	Inspector	Facility Type
OPD000050*BP	OHP000214	August 13, 2013	3	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Apex Sanitary Landfill 11 County Road 78 Amsterdam, Ohio 43903	10:30 am	3/01/11
	Exit Time	Permit Expiration Date
	1:30 pm	2/29/2016
Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)	
Dave Matthews, General Manager	Ofc: 740 543-4389 Cell: 740 635-4885	
Name, Address, and Title of Responsible Official	Phone Number	
Anthony Rizzo, CCO	(740) 543-4389	

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

Section D: Summary of Findings (attach additional sheets if necessary)	
See attached letter.	
Inspector	Reviewer
<i>Fred J. Snell</i>	<i>Jennifer M. Witte</i>
9/3/13	9/3/13
Fred J. Snell, Inspector Division of Surface Water Southeast District Office	Jennifer M. Witte Compliance & Enforcement Supervisor Division of Surface Water Southeast District Office
Date	Date