



Environmental
Protection Agency

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

March 11, 2011

Mr. Stephen Renner, Director
Franklin County Sanitary Engineer's Office
280 East Broad Street, Suite 201
Columbus, OH 43215

Re: 4PA00011 / OH0054950
Taylor Estates
4GS00011 / OHS000003
Century Acres
~~4GS00014 / OHS000003~~
~~Holton Park~~
Reconnaissance Inspections

Dear Mr. Renner:

On February 15, 2011, Reconnaissance Inspections were conducted at the Taylor Estates, Century Acres, and Holton Park Wastewater Treatment Plants (WWTP). Present for the inspections were Ted Abbott and Charlie McFarland representing the Franklin County Sanitary Engineers and myself of the Ohio EPA, Central District Office Division of Surface Water. The purpose of the inspection was to evaluate compliance with the terms and conditions of the National Pollutant Discharge Elimination System (NPDES) permits.

On February 14, 2011, I met with Dale Kocarek of Stantec and John Owen of Ohio EPA to discuss the replacement of Taylor Estates and Holton Park WWTPs. It was indicated that construction is likely to begin in August 2011. The current plants need to be maintained and possibly repaired depending on when the replacement plants are built.

Attached are the Reconnaissance Inspection Reports. There are a few items which require a written response. **Please respond in writing within 30 days of the receipt of this letter.**

If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3846.

Sincerely,

Cole Miller
Environmental Specialist
Field Operations Unit
Division of Surface Water
Central District Office

CM/nsm Taylor Estates Inspection 2-15-11

Central District Office
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NPDES Compliance Inspection Report

SECTION A: NATIONAL DATA SYSTEM CODING					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
4GS00011	OHS000003	2/15/2011	R	M	1

SECTION B: FACILITY DATA		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Century Acres Greengate Dr. Groveport, Ohio 43125	11:10 AM	4/1/2010
	Exit Time	Permit Expiration Date
	11:40 AM	12/31/2014
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)
Charles McFarland, Operator of Record Ted Abbott, Operator		(614) 525-3747
Name and Title of Responsible Official		Phone Number
Stephen Renner, Director, Franklin County Sanitary Engineers 280 East Broad St. Room 201 Columbus, Ohio 43215		(614) 525-3940

SECTION C: AREAS EVALUATED DURING INSPECTION		
Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated		
S	Permit	
S	Records/Reports	
M	Operations & Maintenance	Algae growth on sand beds was incorrectly placed on the ground around the sand beds.
M	Facility Site Review	The wall dividing the sand beds was crumbling and water flowed from one bed to the other.
N	Collection System	
S	Flow Measurement	
N	Laboratory	
S	Effluent/Receiving Waters	
S	Sludge Storage/Disposal	
N	Pretreatment	
N	Compliance Schedule	
S	Self-Monitoring Program	

Signatures			
	3-11-11		3-11-11
Cole Miller, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Date	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water Central District Office	Date

Summary of Findings and Comments Century Acres WWTP

General

The sewage treatment plant serving the Century Acres subdivision consists of an influent lift station, rack screen and grit channel, twin aeration tanks and clarifiers, dosing tank with time lapse meters, surface sand filters, ultra-violet disinfection, and post aeration. The sewage plant serves is designed for 25,000 gallons per day. Sludge is stored in an aerated holding tank and hauled. The facility currently operates under a general NPDES permit but previously they operated under 4PA00010.

1. At the time of the inspection, the following general observations were made with the operation and maintenance of the plant:
 - a. There was no permanent marker at the outfall. The permit required the marker to be posted by August 1, 2010. **Please respond with a schedule of posting the sign.**
 - b. The alarm is an auto-dialer. The sewage tributary area is on well water and is serviced by two different electric companies so there is a possibility where electricity to the plant is off but still have incoming flows. **Can your alarm system still dial when the electricity is shut off? Please respond.**
 - c. The sand bed walls were weathered and in need of repair. The wall dividing the two walls has a gap where flow from one bed can enter the other wall (see attached picture). This problem affects the operations of the plant. **Please respond with a schedule of repairing the concrete walls of the sand filters.**
 - d. There were small piles of algae along the filter walls which had been scraped off the sand filters. If the algae are contaminated with biosolids, the piles need to be disposed to a landfill. Using a waste container is recommended. **Please comment on this suggestion.**
 - e. The blowers are constantly on.
 - f. The operator maintains a log book which includes observations.
2. There have been no effluent violations since February 2005. The attached table summarizes flow between January 1, 2009, and February 1, 2011.
3. The effluent from the ultra violet tank looked clear. The outfall was not investigated.

Century Acres Flows Jan 1 2009 - Feb 1 2011		
	Flow (gpd)	Date
Highest Flow Rate	29400	7/10/2010
Second Highest Flow Rate	29000	1/25/2010
Average since Jan. 2009	13980	

