



40 years a
...ing forward

John Kasich, Governor
Randy Taylor, Lt. Governor
...ally, Director

Certified #1 7108 2133 3932 1838 1133 1133

February 15, 2013

Larry Stadwick
Lakeside Estates Water Reclamation Facility
11050 Tussing Road
Pickerington, OH 43147

NOTICE OF VIOLATION

**Re: Lakeside Estates Water Reclamation Facility
NPDES Permit 4PG00028/ OH0054852
Reconnaissance Inspection
Fairfield County**

Dear Mr. Stadwick:

On January 30, 2013, a Reconnaissance Inspection was conducted at the Lakeside Estates Water Reclamation Facility. Present for the inspection were:

- Fairfield County Utilities
 - Yourself, Chief Operator
 - Tony Vogel, Director
 - Don Sherman, Operations
- Ohio EPA
 - Brittany Schuch, Division of Surface Water Central Office – Enforcement
 - Myself, DSW Central District Office – Compliance and Enforcement

The purpose of the inspection was to evaluate the conditions of the plant as a part of an enforcement action.

Findings:

1. The plant consists of a trash trap, two aeration tanks, a clarifier, and disinfection. There are two small sand beds that are not operating. The plant is currently rated as capable of handling 8,000 GPD but has experienced an average flow rate of 18,000 GPD since 2010. Total suspended solids loading violations are likely the result of high flow rates.
2. The permit compliance schedule required a regional treatment facility to be built. During the enforcement process, it has been determined that the County will upgrade the current plant in lieu of building a regional facility. The County has provided an initial estimate that the plant will be upgraded to 25,000 GPD. The upgrades would primarily consist of a parallel treatment train adjacent to the current treatment plant. When I asked whether sand filters would be included with the upgrades, it was indicated that it was a detail not investigated. Please note that sand filters are a required element within the Ohio Green Book (Sewage: Collection, Treatment & Disposal).
3. Attached are compliance tables between October 2010 and January 2013. In addition to the total suspended solid exceedances, the facility was also in significant non-compliance due to chlorine violations in 2012.

If you have any questions or comments concerning the enclosed inspection report, please contact me at (614) 728-3846 or e-mail at cole.miller@epa.state.oh.us.

Sincerely,



Cole Miller
Environmental Specialist II
Compliance and Enforcement Unit
Division of Surface Water
Central District Office

ec: Cole Miller

NPDES Compliance Inspection Report

SECTION A: NATIONAL FACILITY SYSTEM CODING				
Permit #	NPL #	Inspection type	Inspector	Facility Type
4PG00028	OH0054852	RI	S	2
Inspection Date	Entry Time	Exit Time	Notice of Violation	Significant Non-Compliance
1/30/2013	11:00 AM	11:20 AM	Yes	Yes

SECTION B: FACILITY DATA	
Name and Location of Facility Inspected	Permit Effective Date
Lakeside Estates Water Reclamation Facility	8/1/2007
	Permit Expiration Date
	7/31/2012
Name(s) and Title(s) of On-Site Representatives	Phone Numbers
Larry Stadwick Tony Vogel Don Sherman	
Name and Title of Responsible Official	Phone Number
Larry Stadwick	(614) 322-5200

SECTION C: AREAS EVALUATED DURING INSPECTION		
Key: S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated		
U	NPDES Compliance	Compliance schedule not met
N	Operations & Maintenance	
N	Facility Site Review	
N	Collection System	
S	Flow Measurement	Flow meter calibrated 7/5/12
U	Receiving Waters	Effluent violations
N	Laboratory	

Comments:

Signatures	
 2/14/13	 2/14/13
Cole Miller, Inspector Compliance & Enforcement Division of Surface Water Central District Office	Erin Sherer, Reviewer Compliance & Enforcement Supervisor Division of Surface Water Central District Office

Compliance Data for Lakeside Estates Water Reclamation Facility between 10/1/2010 to 1/1/2013

Summary

Permit Effluent Limit Violations: 43
 Permit Effluent Code Violations: 0
 Permit Effluent Frequency Violations: 0
 Compliance Schedule Violations: 4

Limit Violations						
Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
October 2010	001	Total Suspended Solids	30D Qty	0.36	.43149	10/1/2010
October 2010	001	Total Suspended Solids	7D Qty	0.54	.62453	10/1/2010
October 2010	001	Chlorine, Total Residu	1D Conc	0.019	.09	10/21/2010
December 2010	001	Total Suspended Solids	30D Qty	0.36	.4542	12/1/2010
January 2011	001	Total Suspended Solids	30D Qty	0.36	.41257	1/1/2011
February 2011	001	Total Suspended Solids	30D Qty	0.36	.76836	2/1/2011
February 2011	001	Total Suspended Solids	7D Qty	0.54	1.0598	2/8/2011
March 2011	001	Total Suspended Solids	30D Qty	0.36	.62263	3/1/2011
March 2011	001	Total Suspended Solids	7D Qty	0.54	.60939	3/1/2011
March 2011	001	Total Suspended Solids	7D Qty	0.54	.63588	3/15/2011
May 2011	001	Total Suspended Solids	30D Qty	0.36	1.8925	5/1/2011
May 2011	001	CBOD 5 day	30D Qty	0.3	.66616	5/1/2011
May 2011	001	CBOD 5 day	7D Qty	0.45	.66616	5/15/2011
May 2011	001	Total Suspended Solids	7D Qty	0.54	1.8925	5/22/2011
June 2011	001	Total Suspended Solids	30D Qty	0.36	.47691	6/1/2011
August 2011	001	Fecal Coliform	7D Conc	2000	7483.31	8/1/2011
August 2011	001	Chlorine, Total Residu	1D Conc	0.019	.09	8/26/2011
October 2011	001	Total Suspended Solids	30D Qty	0.36	.50341	10/1/2011

November 2011	001	Total Suspended Solids	30D Qty	0.36	.44285	11/1/2011
December 2011	001	Total Suspended Solids	30D Qty	0.36	.58289	12/1/2011
December 2011	001	Total Suspended Solids	7D Qty	0.54	.58289	12/8/2011
February 2012	001	Total Suspended Solids	30D Conc	12	12.1666	2/1/2012
February 2012	001	Total Suspended Solids	30D Qty	0.36	.54567	2/1/2012
February 2012	001	Total Suspended Solids	7D Qty	0.54	.56207	2/8/2012
February 2012	001	Total Suspended Solids	7D Qty	0.54	.78728	2/15/2012
March 2012	001	Total Suspended Solids	30D Qty	0.36	.38796	3/1/2012
May 2012	001	Total Suspended Solids	30D Qty	0.36	.65985	5/1/2012
May 2012	001	Total Suspended Solids	7D Qty	0.54	1.29826	5/8/2012
May 2012	001	Total Suspended Solids	7D Qty	0.54	.80494	5/15/2012
June 2012	001	Chlorine, Total Residu	1D Conc	0.019	.1	6/4/2012
June 2012	001	Chlorine, Total Residu	1D Conc	0.019	.05	6/6/2012
June 2012	001	Chlorine, Total Residu	1D Conc	0.019	.06	6/13/2012
June 2012	001	Chlorine, Total Residu	1D Conc	0.019	.07	6/14/2012
June 2012	001	Chlorine, Total Residu	1D Conc	0.019	.06	6/19/2012
June 2012	001	Chlorine, Total Residu	1D Conc	0.019	.05	6/20/2012
June 2012	001	Chlorine, Total Residu	1D Conc	0.019	.05	6/25/2012
July 2012	001	Chlorine, Total Residu	1D Conc	0.019	.06	7/9/2012
July 2012	001	Chlorine, Total Residu	1D Conc	0.019	.07	7/10/2012
July 2012	001	Chlorine, Total Residu	1D Conc	0.019	.05	7/12/2012
September 2012	001	Chlorine, Total Residu	1D Conc	0.019	.05	9/17/2012
October 2012	001	Total Suspended Solids	30D Qty	0.36	.54504	10/1/2012
October 2012	001	Total Suspended Solids	7D Qty	0.54	.54504	10/1/2012
December 2012	001	Total Suspended Solids	30D Qty	0.36	.49962	12/1/2012

Missing Compliance Schedule Milestones				
Schedule Due Date	Completion Date	Event Code	Schedule Type	Schedule Milestone
March 2008		1799	Construction	Complete Plans & Specs
September 2008		3099	Construction	Begin Construction
August 2009		4599	Construction	End Construction
February 2010		5599	Construction	Operational Level Attained

Flow Data for Lakeside Estates Water Reclamation Facility between 10/1/2010 and 1/1/2013

	Date	Flows (GPD)
Ten Highest Flows	4/20/2011	72000
	5/4/2011	72000
	1/27/2012	68000
	3/16/2012	68000
	4/21/2011	65000
	4/23/2011	65000
	4/24/2011	65000
	4/25/2011	65000
	11/29/2011	65000
	5/24/2011	64000
Average Flow Rate		17835