



**Environmental
Protection Agency**

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

Re: Ashland County
Cinnamon Lake
NPDES Permit

May 8, 2012

Mr. Eugene Sheridan
Cinnamon Lake Utilities Association
1443 Laurel Drive
West Salem, Ohio 44287

Dear Mr. Sheridan:

On April 24, 2012, an inspection was made of the wastewater treatment facilities serving the Cinnamon Lake subdivision located at 1443 Laurel Drive, West Salem, Ashland County. Mr. Glen Goff was present to answer questions regarding treatment plant operations.

At the time of the inspection, all major treatment units were in service and appeared to be functioning normally. No major concerns with the treatment plant operations were noted. The improvements to the WWTP were under construction. The flow EQ tank and sludge holding tank excavations were complete. Mr. Goff stated the foundations for these tanks should be poured starting April 26. The expected completion date for the entire project is August 1, 2012. You are required, as a condition of your National Pollutant Discharge Elimination System (NPDES) permit compliance schedule, to contact our office within seven days of construction completion.

A review of the facility's discharge monitoring reports submitted to our office for the months of June 2011 through March 2012 revealed numerous **violations** of the limits contained in your NPDES permit. A summary of these violations is enclosed on a separate sheet. Please be aware that the facility is currently in significant non-compliance with the effluent limits contained in the NPDES permit. The completion of the flow EQ tanks and other upgrades should help prevent future violations. If compliance does not improve, enforcement action is an option for our Agency to achieve compliance.

If you have any questions, please call me at 419-373-3070.

Sincerely,

Walter Ariss, P.E.
Environmental Specialist II
Division of Surface Water

/jlm

Enclosures

ec: Inspection Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
WWTP'S LESS THAN 25,000 GPD

Facility Name Cinnamon Lake WWTP NPDES Permit No. 2PR000009
 Facility Address 6065 Cinnamon Dr Expiration Date 4/30/15
 City West Salem County Ashland Date 4/24/12 Time 10:00 (am) pm
 Name and Address of Owner Cinnamon Lake Utilities
 Person Contacted Glen Goff Owner Phone _____
 Flow: Design 150,000 GPD Present 50,000-200,000 GPD (metered estimated)
 Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 55° clouds
 OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Muddy Fork Mohican

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	<input checked="" type="checkbox"/>	Clear	<input checked="" type="checkbox"/>	None	<input checked="" type="checkbox"/>	Colorless
1	Mild						
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

3. a. Plant has _____ excellent good _____ fair _____ poor operation
 b. Plant has _____ excellent good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent good _____ fair _____ poor maintenance

d. Not operating at expected efficiency due to:

- (1) _____ hydraulic overload
 (2) _____ organic/ solids overload
 (3) _____ personnel inefficiency
 (4) _____ equipment failure
 (5) _____ wastes
 (6) _____

Disinfection: (Required May 1 thru Oct.31.)		
IN	OUT	
_____	<input checked="" type="checkbox"/>	Chlorination Tablets <u>liquid</u>
_____	<input checked="" type="checkbox"/>	Dechlorination Tablets <u>liquid</u>
_____	_____	U.V.

Yes No

4. Compliance with NPDES Permit
 Periodic Violations Y N Parameters: _____
 Chronic Violations _____ TSS, BOD, pH, NH3
 5. Adequate plant safety
 6. Operation and Maintenance Service Name Operators from City of Lodi
 Frequency of Visits 3/week

Facility Name: Cinnamon Lake WWTP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: <i>every 6 weeks</i>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	X	Plant Timer ___ Y <u>X</u> N Motor/ Blower Unit <i>running</i>	Cycle Time: <i>blowers all in good shape</i>
Secondary Treatment	X	Aeration Tank	Color: <i>good color to 1/2</i> Adequate Aeration: Y <u>X</u> N ___
Final Settling	X	Clarifier	<i>fairly clear</i>
	X	Sludge Return	In <u>X</u> Out ___
	X	Surface Skimmer	In <u>X</u> Out ___
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	<i>All beds fairly clear, on one bed currently</i>
	X	Polishing Pond <i>no scum, no odors</i>	<i>Will be abandoned when upgrades complete</i>
		Other	
Disinfection	X	Chlorine Tablet Feeder <i>liquid</i>	<i>out</i>
	X	Dechlorination Tablet Feeder <i>liquid</i>	<i>out</i>
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
	X	Recorder (continuous total)	<i>okay</i>
Pumps	X	Raw Wastewater (type) <i>submersible</i>	<i>okay</i>
	X	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling	X	Aerated Storage Tank	<i>one tank almost empty / one tank full</i>
	X	Sludge Drying Bed	<i>one bed used as storage / other 3 in use</i>
Sludge Disposal	X	Municipal POTW	
	X	Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	

Get New Data		Cinnamon Lake WWTP NPDES permit limit violations June 2011 through March 2012							
Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date	
2PR00009*KD	August 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.00413	8/1/2011	
2PR00009*KD	September 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.11338	9/1/2011	
2PR00009*KD	January 2012	001	00530	Total Suspended Solids	30D Conc	12.0	31.	1/1/2012	
2PR00009*KD	January 2012	001	00530	Total Suspended Solids	30D Qty	6.8	10.4981	1/1/2012	
2PR00009*KD	January 2012	001	00530	Total Suspended Solids	1D Conc	18.0	65.	1/4/2012	
2PR00009*KD	January 2012	001	00530	Total Suspended Solids	1D Qty	10.2	21.4041	1/4/2012	
2PR00009*KD	January 2012	001	00530	Total Suspended Solids	1D Conc	18.0	60.	1/5/2012	
2PR00009*KD	January 2012	001	00530	Total Suspended Solids	1D Qty	10.2	18.3951	1/5/2012	
2PR00009*KD	January 2012	001	00530	Total Suspended Solids	1D Conc	18.0	22.	1/11/2012	
2PR00009*KD	January 2012	001	00530	Total Suspended Solids	1D Conc	18.0	20.	1/12/2012	
2PR00009*KD	January 2012	001	00400	pH	1D Conc	9.0	9.09	1/13/2012	
2PR00009*KD	January 2012	001	00530	Total Suspended Solids	1D Conc	18.0	24.	1/18/2012	
2PR00009*KD	January 2012	001	00400	pH	1D Conc	9.0	9.1	1/21/2012	
2PR00009*KD	January 2012	001	00530	Total Suspended Solids	1D Conc	18.0	26.	1/25/2012	
2PR00009*KD	February 2012	001	00530	Total Suspended Solids	1D Conc	18.0	25.	2/1/2012	
2PR00009*KD	February 2012	001	00530	Total Suspended Solids	30D Conc	12.0	19.25	2/1/2012	
2PR00009*KD	February 2012	001	80082	CBOD 5 day	30D Conc	10.0	11.72	2/1/2012	
2PR00009*KD	February 2012	001	00530	Total Suspended Solids	1D Conc	18.0	27.	2/2/2012	
2PR00009*KD	February 2012	001	00530	Total Suspended Solids	1D Qty	10.2	10.7304	2/2/2012	
2PR00009*KD	February 2012	001	00400	pH	1D Conc	9.0	9.49	2/4/2012	
2PR00009*KD	February 2012	001	00530	Total Suspended Solids	1D Conc	18.0	20.	2/9/2012	
2PR00009*KD	February 2012	001	00400	pH	1D Conc	9.0	9.52	2/11/2012	
2PR00009*KD	February 2012	001	00400	pH	1D Conc	9.0	9.61	2/20/2012	
2PR00009*KD	February 2012	001	00530	Total Suspended Solids	1D Conc	18.0	19.	2/22/2012	
2PR00009*KD	March 2012	001	00530	Total Suspended Solids	30D Conc	12.0	17.625	3/1/2012	
2PR00009*KD	March 2012	001	80082	CBOD 5 day	30D Conc	10.0	12.83	3/1/2012	
2PR00009*KD	March 2012	001	80082	CBOD 5 day	1D Conc	15.0	15.44	3/6/2012	
2PR00009*KD	March 2012	001	00530	Total Suspended Solids	1D Conc	18.0	29.	3/7/2012	
2PR00009*KD	March 2012	001	00530	Total Suspended Solids	1D Qty	10.2	10.5374	3/7/2012	
2PR00009*KD	March 2012	001	80082	CBOD 5 day	1D Conc	15.0	23.6	3/7/2012	
2PR00009*KD	March 2012	001	80082	CBOD 5 day	1D Qty	8.5	8.5753	3/7/2012	
2PR00009*KD	March 2012	001	00530	Total Suspended Solids	1D Conc	18.0	21.	3/14/2012	
2PR00009*KD	March 2012	001	00530	Total Suspended Solids	1D Conc	18.0	20.	3/20/2012	
2PR00009*KD	March 2012	001	80082	CBOD 5 day	1D Conc	15.0	16.	3/28/2012	