



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Ashland County
Cinnamon Lake
NPDES Permit

October 13, 2009

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

Dear Mr. Sheridan:

On September 22, 2009, an inspection was made of the wastewater treatment facilities serving the Cinnamon Lake subdivision located at 1443 Laurel Drive, West Salem, Ashland County. At the time of the inspection all major treatment units were in service.

The condition of the treatment plant was much improved over our previous inspection on July 16, 2009. The sand filter beds had all been weeded and raked clean. The filters in use were clean and were draining properly through the media. The chlorine contact tank had been pumped out and cleaned. The water in the tank was very clear and the bottom could be seen. It was noted that the sand filter dosing station pumps appeared to be "short cycling". The operators had identified a bad float and were in the process of replacing it at the conclusion of the inspection.

A review of the facility's discharge monitoring reports from the months of July through September 2009 revealed numerous **violations** of the limits contained in your NPDES permit. A summary of these violations is included on a separate sheet.

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

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/csl

Enclosure

pc: NWDO-DSW file

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2 PR00009

Facility Name Cinnamon Lake Expiration Date 3/31/2010

Facility Address 1443 Laurel Dr Date 9/22/09 Time 2:30 am pm

City West Salem County Ashtabula Township _____

Name and Address of Owner _____

Person Contacted Grant 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 70° sunny

OEPA Personnel Walter Hiss 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	<input checked="" type="checkbox"/>					
2	Moderate		Light Solids		Musty		Grey
3	Serious						
4	Extreme		Heavy Solids		Septic		Black

2. Effect of effluent on Receiving Stream Name: Huddy Fork Mohican not observed

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None		Clear		None		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

_____ Chlorination ~~Tablets~~ liquid
 _____ Dechlorination Tablets
 _____ U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations Y N Parameters: _____

Chronic Violations NH3

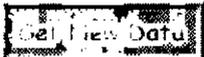
5. Adequate plant safety

6. Operation and Maintenance Service Name _____

Frequency of Visits _____

Facility Name: Cinnamin Lake WWT

Process	# Units	Unit	If Needed - Description and Comments
Preliminary		Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
	<input checked="" type="checkbox"/>	Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	<input checked="" type="checkbox"/>	Plant Timer <u>Y</u> N	Cycle Time:
		Motor/ Blower Unit <i>running</i>	
Secondary Treatment	<input checked="" type="checkbox"/>	Aeration Tank	Color: <i>good color 110</i> Adequate Aeration: <u>Y</u> N
Final Settling	<input checked="" type="checkbox"/>	Clarifier <i>cleaned clarifiers in old plant will be doing newer plant</i>	<i>need to fix surface skimmer in old plant west clarifier</i>
	<input checked="" type="checkbox"/>	Sludge Return	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
	<input checked="" type="checkbox"/>	Surface Skimmer	In <input checked="" type="checkbox"/> Out <input checked="" type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	<input checked="" type="checkbox"/>	Surface Sand Filter	<i>All four filters fairly clear of weeds East bed waiting for sludge today</i>
	<input checked="" type="checkbox"/>	Polishing Pond	<i>okay</i>
		Other	
Disinfection	<input checked="" type="checkbox"/>	Chlorine Tube <i>Liquid</i> Feeder	<input checked="" type="checkbox"/> <i>okay</i>
		Dechlorination Tube Feeder	
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
	<input checked="" type="checkbox"/>	Recorder (continuous total)	<i>okay</i>
Pumps	<input checked="" type="checkbox"/>	Raw Wastewater (type)	<i>okay</i>
	<input checked="" type="checkbox"/>	Sand Filter Effluent Dosing	<i>pumps start cycling - found a seal float</i>
Sludge Handling	<input checked="" type="checkbox"/>	Aerated Storage Tank	<i>okay</i>
	<input checked="" type="checkbox"/>	Sludge Drying Bed	<i>okay - need boards at end of street</i>
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
	<input checked="" type="checkbox"/>	Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
		Spray Irrigation	
		Other	



Cinnamon Lake NPDES permit limit violations July through September 2009

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00009*JD	July 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.9	1.64398	7/23/2009
2PR00009*JD	July 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	3.42	7/23/2009
2PR00009*JD	July 2009	001	00400	pH	1D Conc	9.0	9.01	7/17/2009
2PR00009*JD	July 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	1.8	7/16/2009
2PR00009*JD	July 2009	001	00530	Total Suspended Solids	1D Conc	18	23.84	7/16/2009
2PR00009*JD	July 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.9	1.32229	7/9/2009
2PR00009*JD	July 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	6.85	7/9/2009
2PR00009*JD	July 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.9	2.17259	7/2/2009
2PR00009*JD	July 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	7.	7/2/2009
2PR00009*JD	July 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.6	1.36136	7/1/2009
2PR00009*JD	July 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	4.7675	7/1/2009
2PR00009*JD	September 2009	001	50060	Chlorine, Total Residu	1D Conc	0.038	.07	9/29/2009
2PR00009*JD	September 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	2.25	9/24/2009
2PR00009*JD	September 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	3.72	9/17/2009
2PR00009*JD	September 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	1.93	9/11/2009
2PR00009*JD	September 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	1.74	9/3/2009
2PR00009*JD	September 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.41	9/1/2009
2PR00009*JD	August 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	1.77	8/27/2009
2PR00009*JD	August 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	1.69	8/20/2009
2PR00009*JD	August 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	3.25	8/13/2009
2PR00009*JD	August 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.9	1.11279	8/6/2009
2PR00009*JD	August 2009	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	1.5	3.5	8/6/2009
2PR00009*JD	August 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.6	.7041	8/1/2009
2PR00009*JD	August 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	2.5525	8/1/2009