OhioEPA
State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
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: Richland County
Pin Oak MHP
NPDES Permit

May 18, 2009

Mr. John Szalay, Owner
Pin Oak MHP
581 Lake of the Woods Boulevard
Akron, Ohio 44333

Dear Mr. Szalay:

On May 7, 2009, an inspection was made of the wastewater treatment facilities serving the Pin Oak MHP located at 1121 Clayberg Rd, Greenwich, Richland County. Ray Reed, the park manager, was present to grant access to the plant and answer any questions. A relatively clear effluent was observed being discharged from the treatment plant.

At the time of the inspection the plant was operating with all major treatment units in service. The operation of the aeration system appeared to be satisfactory. Three of the sand filter beds had a layer of sludge on the surface. The fourth bed was in service. A noticeable amount of sludge was observed in this bed also. Mr. Reed was in the process of cleaning off one of the dried beds during the inspection. Solids washout onto the sand filters continues to occur during rain events. It was noted that one of the blowers on the newer treatment plant was out for service. Mr. Reed indicated that the blower had broken down recently and was in the process of being repaired.

A review of the discharge monitoring reports submitted for the time period of August 2008 through March 2009 revealed numerous ***violations*** of the limits contained in your NPDES permit. A printout of these violations is enclosed for your review.

Your NPDES permit requires that you submit a Permit to Install for plant upgrades no later than July 1, 2009. These upgrades should help prevent the solids washout that plugs the sand filter beds, as well as improve the overall treatment of the wastewater. We look forward to working with you on the upgrade project. If you have yet to contact a professional engineer to prepare the required drawings, we suggest you do so very soon.

Our completed inspection report is enclosed for your review. Please call me at 419-373-3070 if you have any questions.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/lb

Enclosure

pc: NWDO-DSW-file w/enclosure
Lonnie McGhee, McGhee's Technical Water Service Inc w/enclosure

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00072

Facility Name Pin Oak MHP Expiration Date 6/30/2013

Facility Address 1121 Clayberg Rd Date 5/7/09 Time 10:00 am/pm

City Greenwich County Richland Township

Name and Address of Owner John Sizelay

Person Contacted Ray Reed - Park manager Owner Phone

Flow: Design 30,000 GPD Present 27,000 - 28,000 GPD (metered - estimated)

Trib. Pop. (actual - estimated) Weather at time of inspection: Temp 64° sunny

OEPA Personnel Walter Ariss District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
0	None	X	Clear	X	None	X	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: unnamed tributary - 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 X good ____ fair ____ poor operation
b. Plant has ____ excellent X good ____ fair ____ poor maintenance
c. Sand filters have ____ excellent ____ good X fair ____ poor maintenance

d. Not operating at expected efficiency due to:

(1) X hydraulic overload
(2) ____ organic/ solids overload
(3) ____ personnel inefficiency
(4) ____ equipment failure
(5) ____ wastes
(6) solids washout onto filters

Disinfection: (Required May 1 thru Oct.31.)

IN	OUT	
X	____	Chlorination Tablets
X	____	Dechlorination Tablets
____	____	U.V.

Yes No

4. ____ X Compliance with NPDES Permit

Periodic Violations Y ____ N ____ Parameters:

Chronic Violations Y X N ____ Parameters: TSS, CBOD, NH3

5. X ____ Adequate plant safety

6. X ____ Operation and Maintenance Service Name McGhee's TWST

Frequency of Visits 1/week

Facility Name: Pin Oak MHP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency: 1/3 months
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	1	Plant Timer ___Y X N Motor/ Blower Unit running	~~Cycle Time~~: one blower on newer plant out for service
Secondary Treatment	1	Aeration Tank	Color: good color + foil Adequate Aeration: Y X N___
Final Settling	1	Clarifier	fairly clear
	1	Sludge Return	In X Out X one return on older plant was plugged
	1	Surface Skimmer	In ___ Out X
		Fixed Media Clarifier	
Tertiary Treatment	1	Surface Sand Filter	3 filters drying 1 one in use layer of sludge in all of them
		Polishing Pond	
		Other	
Disinfection	1	Chlorine Tube Feeder	okay
	1	Dechlorination Tube Feeder	okay
		Ultraviolet (UV)	
Flow Metering	1	Elapsed Pump Time	on filter dosing pumps
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	1	Sand Filter Effluent Dosing	okay
Sludge Handling	1	Aerated Storage Tank	okay
	1	Sludge Drying Bed	beds are clean
Sludge Disposal		Municipal POTW	
	1	Landfill	keeping track of tons for annual sludge report
		Land Application	
Advanced Treatment	1	Post Aeration	
		Spray Irrigation	
		Other	

Get New Data

Pin Oak MHP NPDES permit limit violations August 2008 through March 2009

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00072*DD	August 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	2.0	4.55	8/1/2008
2PR00072*DD	August 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.23	.2411	8/1/2008
2PR00072*DD	August 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	3.0	5.61	8/5/2008
2PR00072*DD	August 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	3.0	3.49	8/19/2008
2PR00072*DD	September 2008	001	00530	Total Suspended Solids	30D Conc	12	17.5	9/1/2008
2PR00072*DD	September 2008	001	00530	Total Suspended Solids	30D Qty	1.36	1.56321	9/1/2008
2PR00072*DD	September 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	2.0	11.5	9/1/2008
2PR00072*DD	September 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.23	1.00681	9/1/2008
2PR00072*DD	September 2008	001	80082	CBOD, 5 day	30D Conc	10	30.	9/1/2008
2PR00072*DD	September 2008	001	80082	CBOD, 5 day	30D Qty	1.14	2.60976	9/1/2008
2PR00072*DD	September 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	3.0	7.	9/9/2008
2PR00072*DD	September 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.34	.74186	9/9/2008
2PR00072*DD	September 2008	001	80082	CBOD, 5 day	1D Conc	15	17.	9/9/2008
2PR00072*DD	September 2008	001	80082	CBOD, 5 day	1D Qty	1.7	1.80166	9/9/2008
2PR00072*DD	September 2008	001	00530	Total Suspended Solids	1D Conc	18	22.	9/23/2008
2PR00072*DD	September 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	3.0	16.	9/23/2008
2PR00072*DD	September 2008	001	00610	Nitrogen, Ammonia (NH3	1D Qty	0.34	1.27176	9/23/2008
2PR00072*DD	September 2008	001	80082	CBOD, 5 day	1D Conc	15	43.	9/23/2008
2PR00072*DD	September 2008	001	80082	CBOD, 5 day	1D Qty	1.7	3.41786	9/23/2008
2PR00072*DD	December 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	6.8	9.52	12/1/2008
2PR00072*DD	December 2008	001	80082	CBOD, 5 day	30D Conc	10	21.8	12/1/2008
2PR00072*DD	December 2008	001	80082	CBOD, 5 day	30D Qty	1.14	1.23202	12/1/2008
2PR00072*DD	December 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	10.2	11.4	12/2/2008
2PR00072*DD	December 2008	001	80082	CBOD, 5 day	1D Conc	15	37.8	12/16/2008
2PR00072*DD	December 2008	001	80082	CBOD, 5 day	1D Qty	1.7	2.00302	12/16/2008
2PR00072*DD	January 2009	001	00530	Total Suspended Solids	30D Conc	12	14.2	1/1/2009
2PR00072*DD	January 2009	001	00530	Total Suspended Solids	30D Qty	1.36	1.61392	1/1/2009
2PR00072*DD	January 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	6.8	7.705	1/1/2009
2PR00072*DD	January 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.77	.90696	1/1/2009
2PR00072*DD	January 2009	001	80082	CBOD, 5 day	30D Conc	10	13.8	1/1/2009
2PR00072*DD	January 2009	001	80082	CBOD, 5 day	30D Qty	1.14	1.46252	1/1/2009
2PR00072*DD	January 2009	001	00530	Total Suspended Solids	1D Conc	18	21.2	1/13/2009
2PR00072*DD	January 2009	001	00530	Total Suspended Solids	1D Qty	2.04	2.24678	1/13/2009
2PR00072*DD	January 2009	001	80082	CBOD, 5 day	1D Conc	15	27.6	1/13/2009
2PR00072*DD	January 2009	001	80082	CBOD, 5 day	1D Qty	1.7	2.92505	1/13/2009
2PR00072*DD	February 2009	001	00530	Total Suspended Solids	30D Conc	12	27.9	2/1/2009
2PR00072*DD	February 2009	001	00530	Total Suspended Solids	30D Qty	1.36	2.07986	2/1/2009
2PR00072*DD	February 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	6.8	15.2	2/1/2009
2PR00072*DD	February 2009	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.77	1.0757	2/1/2009
2PR00072*DD	February 2009	001	80082	CBOD, 5 day	30D Conc	10	21.	2/1/2009
2PR00072*DD	February 2009	001	80082	CBOD, 5 day	1D Conc	15	42.	2/3/2009
2PR00072*DD	February 2009	001	80082	CBOD, 5 day	1D Qty	1.7	2.22558	2/3/2009
2PR00072*DD	February 2009	001	00530	Total Suspended Solids	1D Conc	18	45.4	2/17/2009
2PR00072*DD	February 2009	001	00530	Total Suspended Solids	1D Qty	2.04	3.60862	2/17/2009
2PR00072*DD	February 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	10.2	20.4	2/17/2009
2PR00072*DD	February 2009	001	00610	Nitrogen, Ammonia (NH3	1D Qty	1.16	1.62149	2/17/2009
2PR00072*DD	March 2009	001	00530	Total Suspended Solids	30D Conc	12	14.	3/1/2009
2PR00072*DD	March 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	6.8	10.37	3/1/2009
2PR00072*DD	March 2009	001	80082	CBOD, 5 day	30D Conc	10	21.	3/1/2009
2PR00072*DD	March 2009	001	00530	Total Suspended Solids	1D Conc	18	24.	3/3/2009
2PR00072*DD	March 2009	001	00610	Nitrogen, Ammonia (NH3	1D Conc	10.2	13.5	3/3/2009
2PR00072*DD	March 2009	001	80082	CBOD, 5 day	1D Conc	15	27.6	3/3/2009