



**Environmental
Protection Agency**

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

Re: Richland County
Pin Oak MHP
NPDES Permit

March 6, 2012

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

Dear Mr. Szalay:

On February 15, 2012, an inspection was made of the waste water treatment facilities serving the Pin Oak Mobile Home Park (MHP) located at 1121 Clayberg Road, Greenwich, Richland County. Mr. Raymond Reed was present during the inspection.

At the time of the inspection, one of the air supply lines to the return sludge airlift in the newer aeration system had broken and was leaking air. Mr. Reed stated he had recently purchased repair parts for the line and it would be repaired that day. The security fence and backfilling around the flow EQ tanks had been completed.

During the inspection, it was noted that the sand filter bed vent pipes had been raised above the sand filter bed walls as instructed to Mr. Reed during our inspection on December 16, 2010. These vents should never be used to bypass or drain the sand filter beds. Doing so is a violation of the terms included in your National Pollutant Discharge Elimination System (NPDES) permit. Mr. Reed stated the sand bed operation has improved greatly since the installation of the flow equalization. I also reminded Mr. Reed that all sludge removed from the sand filters and sludge drying beds needs to be taken to a landfill. Receipts from the landfill for the weight of this material shall be kept for a minimum of five years and the weight reported on your annual sludge report form to our office.

The operator's log was reviewed and found to contain the necessary information. McGhee's TWSI is onsite once/week. It was mentioned in the log that the plant is apparently not being checked by the mobile home park staff during the weekends. The plant should be checked every day for the discharge flow total and proper operation of critical equipment.

A review of the discharge monitoring reports submitted for the time period of March 2011 through January 2012 revealed five **violations** of the limits contained in your NPDES permit. A printout of these **violations** is included for your review. Failure to continually meet the permit conditions can lead to enforcement action.

Please call me at 419-373-3070 if you have any questions.

Sincerely,

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

/jlm

Enclosures

pc: Lonnie McGhee, McGhee's Technical Water Service Inc.
ec: Inspection Tracking

Get New Data		Pin Oak MHP NPDES permit limit violations March 2011 through January 2012						
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00072*DD	March 2011	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	6.8	9.32	3/1/2011
2PR00072*DD	March 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	10.2	10.5	3/7/2011
2PR00072*DD	April 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	10.2	11.3	4/4/2011
2PR00072*DD	July 2011	001	50060	Chlorine, Total Residu	1D Conc	0.019	.05	7/11/2011
2PR00072*DD	July 2011	001	00610	Nitrogen, Ammonia (NH3)	1D Conc	3.0	3.19	7/18/2011

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 6/30/13

Facility Address 1221 Clayberg Road Date 2/15/12 Time 10:30 am pm

City Greenwich County Richland Township _____

Name and Address of Owner John Szalay

Person Contacted Ray Reed Owner Phone _____

Flow: Design 30,000 GPD Present 14,000 - 28,000 GPD (metered - estimated)

Trib. Pop. _____ (actual - estimated) Weather at time of inspection: Temp 40° 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: unnamed trib Black Fork

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	
_____	<u><input checked="" type="checkbox"/></u>	Chlorination Tablets
_____	<u><input checked="" type="checkbox"/></u>	Dechlorination Tablets
_____	_____	U.V.

Yes No

4. Compliance with NPDES Permit

Periodic Violations N Parameters: NH3

Chronic Violations _____

5. Adequate plant safety

6. Operation and Maintenance Service Name McGhee's TWSE

Frequency of Visits 1/week

Facility Name: Pin Oak MHP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: <i>pumped 11/month</i>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	X	Flow Equalization	<i>okay - have some trouble with transfer pipe clogging</i>
Aeration Equipment		Plant Timer <u>XY</u> <u> </u> N	Cycle Time: <i>EQ/old system/new system ok</i>
	X	Motor/ Blower Unit <i>running</i>	<i>space blower + motor kept in office</i>
Secondary Treatment	X	Aeration Tank	Color: <i>good color & roll</i> Adequate Aeration: Y <u>X</u> N <u> </u>
Final Settling	X	Clarifier	<i>good clarity</i>
	X	Sludge Return	In <u>X</u> Out <u>X</u> <i>RAS on new plant not running - broken air line</i>
	X	Surface Skimmer	In <u>X</u> Out <u> </u>
		Fixed Media Clarifier	
Tertiary Treatment	X	Surface Sand Filter	<i>Filter beds fairly clean</i>
		Polishing Pond	
		Other	
Disinfection	X	Chlorine Tube Feeder	<i>out</i>
	X	Dechlorination Tube Feeder	<i>out</i>
		Ultraviolet (UV)	
Flow Metering	X	Elapsed Pump Time	<i>on filter dosing pumps</i>
		Recorder (continuous total)	
Pumps	X	Raw Wastewater (type) <i>Flow EQ geyser</i>	<i>okay</i>
	X	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling	X	Aerated Storage Tank	<i>about 1/2 full</i>
	X	Sludge Drying Bed	<i>appear fairly clean</i>
Sludge Disposal		Municipal POTW	
	X	Landfill	
		Land Application	
Advanced Treatment	X	Post Aeration	<i>on</i>
		Spray Irrigation	
		Other	