



**Environmental  
Protection Agency**

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

Re: Richland County  
Sites Lake Cottage Area  
NPDES permit

September 21, 2012

Mr. Gary Taylor  
Muskingum Watershed Conservancy District  
1319 Third Street Northwest  
P.O. Box 349  
New Philadelphia, Ohio 44663

Dear Mr. Taylor:

On August 30, 2012, an inspection was made of the wastewater treatment facilities serving the Sites Lake cottage area, Mifflin Township, Richland County. The cottage area is located on the south side of U.S. 30, approximately one mile west of the Richland/Ashland County line. The wastewater treatment plant (WWTP) is located on the north side of U.S. 30 and is accessed from a gravel lane off of Crider Road. Tim Parks was present to answer questions regarding the plant operations.

At the time of the inspection, all of the treatment units were online. A clear final effluent was observed at the outfall. All of the recommendations from our previous inspection had been implemented. Flows are now being measured at the sand filter dosing station, a dumpster has been placed near the sand filter beds for holding and hauling sludge, and the trash trap has been pumped out. We appreciate your willingness to address these items in a timely manner. No other major concerns with the plant operations were noted.

A review of the discharge monitoring reports submitted to our office for the months of April through July 2012 revealed several **violations** of the limits contained in your National Pollutant Discharge Elimination System (NPDES) permit. A printout of these **violations** has been included for your review. Please be aware that your facility is considered to be in significant non-compliance for continued violations of the TSS limit in the permit.

Your facility is currently in significant non-compliance (SNC) with the limits contained in your NPDES permit. A facility becomes in SNC when it exceeds the effluent limit for four or more months in two consecutive quarters or exceeds the effluent limit significantly in any two months during two consecutive quarters. Achieving compliance with Ohio's environmental laws is a primary focus of Ohio EPA in order to reduce risks to public health and welfare.

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Before we initiate enforcement action, we would like to work with you to achieve satisfactory progress to bring this facility back into compliance. **Within 21 days of the date of this letter**, please submit, in writing, the actions that you propose to undertake in order to return your facility into compliance with your NPDES permit. You will also need to give us a timetable for these actions that does not extend past December 1, 2012. These actions and timetable may also be submitted by email to me at [walter.ariss@epa.state.oh.us](mailto:walter.ariss@epa.state.oh.us).

If you wish to meet with us to discuss this matter, please contact me within 10 days of receiving this letter in order to set up a meeting.

As we have discussed, the former sewage treatment lagoons need to be cleaned of all sludge. A compliance schedule is included in your NPDES permit to complete this cleaning. All sludge will need to be removed no later than February 1, 2013. You stated that money has been allocated in this year's budget for removal of the sludge. Please be aware that our office must approve of the land application sites if you wish to land apply this material. The process of getting a site approved can take upwards of 30 days. We encourage you to move forward with this process as soon as possible.

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

pc: Mike Rekstis, Muskingum Watershed Conservancy District

ec: Gretchen Fickle, DEFA-CO  
Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PP00049

Facility Name Charles Mill Sites Lake Expiration Date 7/31/2016

Facility Address off Crider Rd Date 8/30/12 Time 3:00 am (pm)

City Mansfield County Richmond Township \_\_\_\_\_

Name and Address of Owner Mackinac Watershed Conservancy District

Person Contacted Tim Parks - Operator Owner Phone \_\_\_\_\_

Flow: Design 45,000 GPD Present 18,000-24,000 GPD (~~metered~~ estimated)

Trib. Pop. \_\_\_\_\_ (actual - estimated) Weather at time of inspection: Temp 75° sun

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: Charles Mill Lake

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

Yes No

4.  Compliance with NPDES Permit \_\_\_\_\_ Y \_\_\_\_\_ N Parameters: \_\_\_\_\_

Periodic Violations \_\_\_\_\_

Chronic Violations  TSS

5.  Adequate plant safety

6.  Operation and Maintenance Service Name \_\_\_\_\_

Frequency of Visits \_\_\_\_\_

Facility Name: Sites Lake

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	X	Trash Trap	Pumping Frequency: <i>pumped in July 2012</i>
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
	X	Flow Equalization	<i>okay</i>
Aeration Equipment		Plant Timer <u>Y</u> <u>X</u> N	Cycle Time:
	X	Motor/ Blower Unit <i>running</i>	
Secondary Treatment	X	Aeration Tank	Color: <i>good color</i> Adequate Aeration: <u>Y</u> <u>X</u> N
Final Settling	X	Clarifier	<i>good clarity - can see down several feet</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>using two inside filters / all fairly clean will avoid using beds 1+6</i>
		Polishing Pond	
		Other	
Disinfection		Chlorine Tube Feeder	
		Dechlorination Tube Feeder	
	X	Ultraviolet (UV)	<i>on</i>
Flow Metering	X	Elapsed Pump Time	<i>on sand filter dosing</i>
		Recorder (continuous total)	
Pumps	X	<del>Raw Wastewater (type)</del> <i>geyser</i> Flow EQ	<i>okay</i>
	X	Sand Filter Effluent Dosing	<i>okay</i>
Sludge Handling	X	Aerated Storage Tank	<i>hauled out in July</i>
		Sludge Drying Bed	
Sludge Disposal	X	Municipal POTW	<i>from sludge holding</i>
	X	Landfill	<i>from sand beds</i>
		Land Application	
Advanced Treatment	X	Post Aeration <i>or during inspection</i>	<i>turning off day before sampling</i>
		Spray Irrigation	
		Other	

Get New Data		Charles Mill Sites Lake NPDES permit limit violations April through July 2012						
Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PP00049*BD	April 2012	001	00530	Total Suspended Solids	30D Conc	12.0	18.	4/1/2012
2PP00049*BD	April 2012	001	00530	Total Suspended Solids	7D Conc	18.0	24.	4/15/2012
2PP00049*BD	June 2012	001	00530	Total Suspended Solids	30D Conc	12.0	67.	6/1/2012
2PP00049*BD	June 2012	001	00530	Total Suspended Solids	7D Conc	18.0	92.	6/1/2012
2PP00049*BD	June 2012	001	00530	Total Suspended Solids	30D Qty	2.05	5.57909	6/1/2012
2PP00049*BD	June 2012	001	00530	Total Suspended Solids	7D Qty	3.07	7.66084	6/1/2012
2PP00049*BD	June 2012	001	00530	Total Suspended Solids	7D Conc	18.0	42.	6/15/2012
2PP00049*BD	June 2012	001	00530	Total Suspended Solids	7D Qty	3.07	3.49734	6/15/2012
2PP00049*BD	July 2012	001	00530	Total Suspended Solids	30D Conc	12.0	13.5	7/1/2012
2PP00049*BD	July 2012	001	00530	Total Suspended Solids	7D Conc	18.0	21.	7/1/2012