



State of Ohio Environmental Protection Agency

Northeast District Office

2110 East Aurora Rd.
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769
www.epa.state.oh.us

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

September 15, 2008

RE: LEISURE LAKE PARK
PERMIT NO. 3PR00265
PORTAGE COUNTY
PARIS TOWNSHIP

Ms. Margaret Paden, President
Leisure lake Park
P.O. Box 303
Diamond, Ohio 44412

Dear Ms. Paden:

On August 12, 2008, an inspection of the above referenced facility's wastewater treatment system was conducted. The facility was represented by Mr. Jim Cox. The purpose of the inspection was to evaluate the operation and maintenance of the treatment system along with the facility's compliance status with respect to the terms and conditions of the above referenced National Pollutant Discharge Elimination System (NPDES) permit.

During the inspection, the following items were noted:

1. The plant design of the wastewater treatment system is 0.0375 MGD.
2. Northcoast Environmental lab performs the lab analysis.
3. The blowers were running and the plant was receiving good aeration.
4. The contents of the aeration tank were medium brown in color and no foam was present. This is typical of a properly operating plant.
5. Both skimmer return lines were functioning properly.
6. Both sludge return lines were functioning. However, one return line discharge was clear in color. A properly running plant will have a return sludge which is medium brown in color. The clear sludge return line should be adjusted.
7. Both surface sand filter beds had vegetation growing in them, (see Figure 1). This vegetation should be removed immediately.
8. Mr. Cox indicated that the filter media is going to be replaced in the west surface sand filter bed. In general 18 inches of approved filter sand is necessary. Any filter sand that is used must meet the requirements of Ohio Administrative Code (OAC) 3745-42-09. More specifically, for conventional surface sand filters, filter sand shall be washed and free of silt, have an effective size of 0.4 mm to 1.0 mm; and have a uniformity coefficient less than 3.0.
9. Scum and duck weed build-up was present behind the baffle in the settling tank, (see Figure 2). This should be removed and properly disposed.
10. The weirs and the sidewalls in the settling tank were free of scum.
11. The chlorination unit dispensing tube was adequately stocked with tablets.

12. Mr. Cox questioned if the total chlorine residual monitoring frequency was correct. Daily monitoring is consistent for a treatment system of this size.
13. Mr. Cox indicated that the baffle and valve on the south clarifier were both going to be replaced.
14. Mr. Cox also indicated the facility was considering installing ultra violet disinfection.
15. The final effluent being discharged was clear and appeared to be of satisfactory visual quality. The discharge goes directly to a grass water waterway.
16. Please note that a Web-based application for submitting the monthly operating report is currently available. Web addresses are available below which provide information on this topic along with training dates.

This office has recently reviewed your self-monitoring reports covering the period February 1, 2006 through July 31, 2008 for the referenced facility. Our review indicates violations of the terms and conditions of the facility's NPDES permit. The specific instances of noncompliance are as follows:

Limit Violations

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00300	Dissolved Oxygen	1D Conc	6.0	5.4	5/31/2006
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2	4.6	6/1/2006
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	3	6.53	6/1/2006
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.43	.44466	6/15/2006
001	00400	pH	1D Conc	6.5	6.	6/21/2006
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2	11.55	7/1/2006
001	00610	Nitrogen, Ammonia (NH3)	7D Conc	3	21.9	7/1/2006
001	00610	Nitrogen, Ammonia (NH3)	30D Qty	0.28	1.06249	7/1/2006
001	00610	Nitrogen, Ammonia (NH3)	7D Qty	0.43	2.07229	7/1/2006
001	00300	Dissolved Oxygen	1D Conc	6.0	5.	7/12/2006
001	00400	pH	1D Conc	6.5	5.2	12/13/2006
001	00530	Total Suspended Solids	1D Conc	18	49.	3/7/2007
001	00530	Total Suspended Solids	30D Conc	12	15.	3/1/2007
001	00610	Nitrogen, Ammonia (NH3)	1D Conc	3	3.4	5/16/2007
001	00300	Dissolved Oxygen	1D Conc	6.0	5.1	5/9/2007
001	00300	Dissolved Oxygen	1D Conc	6.0	5.	5/16/2007
001	00300	Dissolved Oxygen	1D Conc	6.0	5.	6/20/2007
001	80082	CBOD 5 day	1D Conc	15	21.	9/19/2007
001	00300	Dissolved Oxygen	1D Conc	6.0	5.2	1/23/2008
001	00530	Total Suspended Solids	1D Conc	18	30.	3/12/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.06	5/1/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.08	5/2/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.07	5/3/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.06	5/5/2008

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Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	50060	Chlorine, Total Residue	1D Conc	0.038	.05	5/10/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.07	5/12/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.06	5/14/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.07	5/15/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.05	5/19/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.07	5/20/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.06	6/11/2008
001	00610	Nitrogen, Ammonia (NH3)	1D Conc	3	4.9	7/16/2008
001	00610	Nitrogen, Ammonia (NH3)	30D Conc	2	2.88	7/1/2008
001	00610	Nitrogen, Ammonia (NH3)	1D Qty	0.43	.48221	7/16/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.05	7/15/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.06	7/20/2008
001	50060	Chlorine, Total Residue	1D Conc	0.038	.05	7/22/2008

Frequency Violations

Violation Date	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported
2/8/2007	001	00530	Total Suspended Solids	1/Week	1	0
2/8/2007	001	80082	CBOD 5 day	1/Week	1	0
2/8/2007	001	00400	pH	1/Week	1	0
2/8/2007	001	00300	Dissolved Oxygen	1/Week	1	0

Code Violations

Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00530	Total Suspended Solids			AF	7/12/2006
001	00610	Nitrogen, Ammonia (NH3)			AF	7/12/2006
001	00610	Nitrogen, Ammonia (NH3)			AF	7/12/2006
001	00610	Nitrogen, Ammonia (NH3)			AF	7/12/2006
001	00610	Nitrogen, Ammonia (NH3)			AF	7/12/2006
001	31616	Fecal Coliform			AF	7/12/2006
001	80082	CBOD 5 day			AF	7/12/2006
001	50060	Chlorine, Total Residue			AF	7/12/2006
001	00530	Total Suspended Solids			AF	10/18/2006
001	00610	Nitrogen, Ammonia (NH3)			AF	10/18/2006
001	00610	Nitrogen, Ammonia (NH3)			AF	10/18/2006
001	00610	Nitrogen, Ammonia (NH3)			AF	10/18/2006
001	00610	Nitrogen, Ammonia (NH3)			AF	10/18/2006
001	80082	CBOD 5 day			AF	10/18/2006
001	50060	Chlorine, Total Residue			AF	10/18/2006
001	00400	pH			AF	10/18/2006
001	00300	Dissolved Oxygen			AF	10/18/2006

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Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	00530	Total Suspended Solids			AF	1/17/2007
001	00610	Nitrogen, Ammonia (NH3)			AF	1/17/2007
001	80082	CBOD 5 day			AF	1/17/2007
001	00400	pH			AF	1/17/2007
001	00300	Dissolved Oxygen			AF	1/17/2007
001	00530	Total Suspended Solids			AF	2/7/2007
001	00530	Total Suspended Solids			AF	2/15/2007
001	00610	Nitrogen, Ammonia (NH3)			AF	2/7/2007
001	00610	Nitrogen, Ammonia (NH3)			AF	2/15/2007
001	80082	CBOD 5 day			AF	2/7/2007
001	80082	CBOD 5 day			AF	2/15/2007
001	00400	pH			AF	2/7/2007
001	00400	pH			AF	2/15/2007
001	00300	Dissolved Oxygen			AF	2/7/2007
001	00300	Dissolved Oxygen			AF	2/15/2007
001	50050	Flow Rate			AD	8/1/2007
001	50050	Flow Rate			AD	8/2/2007
001	50050	Flow Rate			AD	8/3/2007
001	50050	Flow Rate			AD	8/4/2007
001	50050	Flow Rate			AD	8/5/2007
001	50050	Flow Rate			AD	8/6/2007
001	50050	Flow Rate			AD	8/7/2007
001	50050	Flow Rate			AD	8/8/2007
001	50050	Flow Rate			AD	8/9/2007
001	50050	Flow Rate			AD	8/10/2007
001	50050	Flow Rate			AD	8/11/2007
001	50050	Flow Rate			AD	8/12/2007
001	50050	Flow Rate			AD	8/13/2007
001	50050	Flow Rate			AD	8/14/2007
001	50050	Flow Rate			AD	8/15/2007
001	50050	Flow Rate			AD	8/16/2007
001	50050	Flow Rate			AD	8/17/2007
001	50050	Flow Rate			AD	8/18/2007
001	50050	Flow Rate			AD	8/19/2007
001	50050	Flow Rate			AD	8/20/2007
001	50050	Flow Rate			AD	8/21/2007
001	50050	Flow Rate			AD	8/22/2007
001	50050	Flow Rate			AD	8/23/2007
001	50050	Flow Rate			AD	8/24/2007
001	50050	Flow Rate			AD	8/25/2007
001	50050	Flow Rate			AD	8/26/2007
001	50050	Flow Rate			AD	8/27/2007
001	50050	Flow Rate			AD	8/28/2007
001	50050	Flow Rate			AD	8/29/2007
001	50050	Flow Rate			AD	8/30/2007

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Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
001	50050	Flow Rate			AD	8/31/2007
001	00530	Total Suspended Solids			AF	12/12/2007
001	80082	CBOD 5 day			AF	12/12/2007
001	00400	pH			AF	12/12/2007
001	00300	Dissolved Oxygen			AF	12/12/2007

This office has no record of receiving a monthly operating report for October 2007. This data should be submitted immediately.

Please note that Ohio EPA has converted from the existing **SWIMware** software to a Web-based reporting system, **e-DMR**. The new reporting system is entirely Web based and accessible via any Internet connection. Ohio EPA Form 4500, commonly known as MORs, will now be called Discharge Monitoring Reports (DMRs or e-DMRs). User training is going to be available in October of this year. Please consult the following Web site for updates regarding the specific date:

<http://www.epa.state.oh.us/dsw/swims/eDMR/eDMRtraining.html>

If you need additional information pertaining to the SWIMware replacement e-DMR, consult the following Web site.

<http://www.epa.state.oh.us/dsw/swims/eDMR/eDMR.html>

Please be advised that such instances of noncompliance may be cause for enforcement actions pursuant to the Ohio Revised Code, Chapter 6111.

Should you have any comments or questions concerning this letter, please feel free to call me at (330) 963-1143.

Respectfully,



Michael W. Stevens
Environmental Engineer
Division of Surface Water

MWS/mt

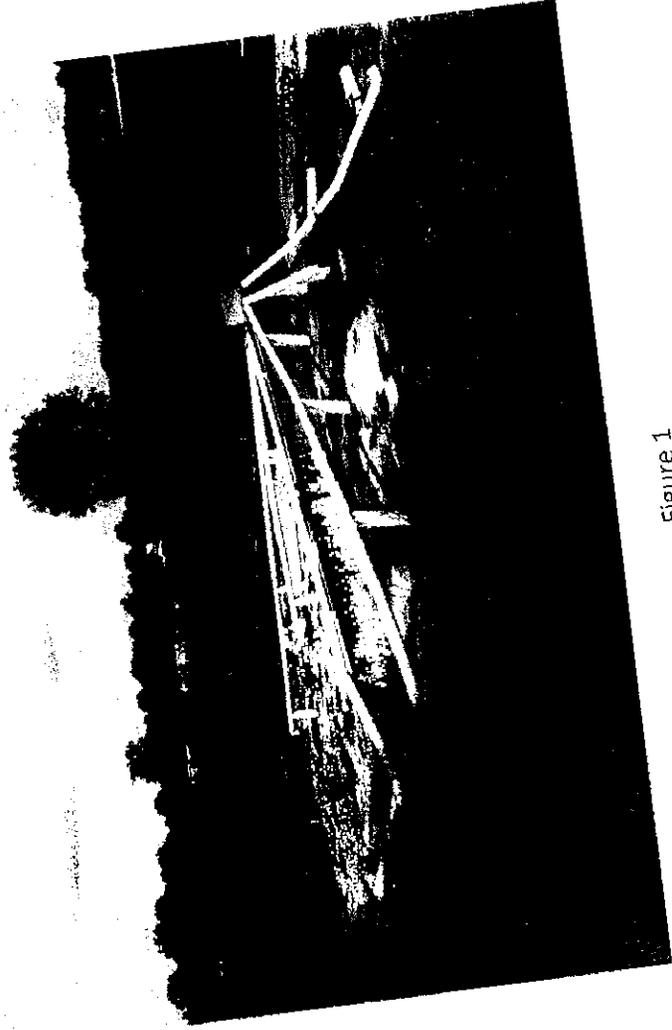


Figure 1

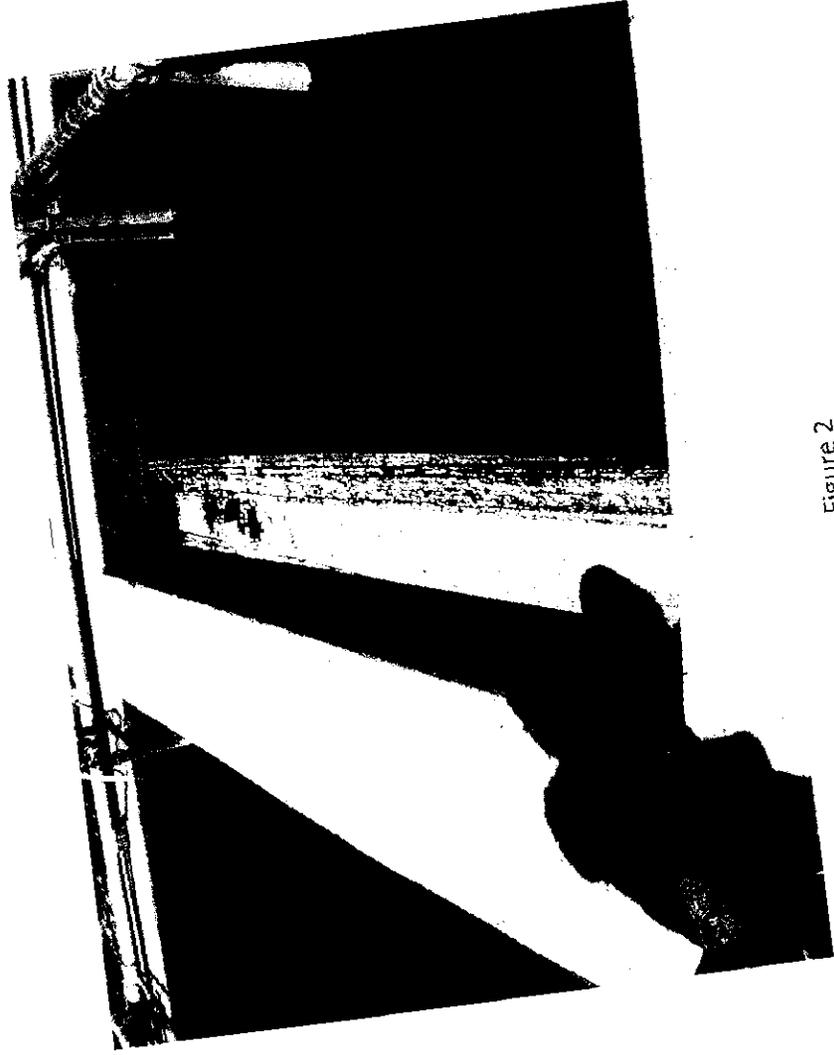


Figure 2