



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490
www.epa.state.oh.us

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

August 5, 2009

Re: Ross County
Lighthouse Youth Center
Compliance Inspection
Permit No. OGS00032*AG
Correspondence (PWW)

Mr. Bill Adams
Lighthouse Services, Inc.
1071 Tong Hollow Road
Bainbridge, Ohio 45612

Dear Mr. Adams:

On July 16, 2009, I conducted a compliance evaluation inspection of the wastewater treatment plant at the Lighthouse Youth Services complex near Bainbridge. The purpose of the inspection was to determine your compliance status with NPDES discharge permit OGS00032*AG. Mr. Tim Cleland, maintenance worker, was present during the inspection.

As a result of my inspection, the following observations were made.

1. The one filter bed contained a significant volume of sludge due to the poor settling of sludge in the clarifier. According to Mr. Cleland, the trash trap is pumped monthly which may be contributing to the low organic waste load to the aeration basin. The mixed liquor was a very light tan color and the return activated sludge was very weak. In order to increase the organic loading to the plant, the trash trap should be pumped approximately once a year. The aeration basin and clarifier should be maintained to assure all sludge return and skimmer return lines remain operable.
2. At the time of my inspection, the filter beds appeared to be deficient of filter sand. The filter beds should be topped off with additional filter sand to get a total sand depth of 18" and maintain a freeboard of 18". The two filter beds should be operated in a manner to minimize wastewater ponding and rotate the beds as needed upon the accumulation of solids.

Enclosed are copies of our filter sand specifications and a list of suppliers which have consistently met these specifications in the past. Prior to purchase of any filter sand, the supplier should verify they can meet all of the specifications.

Attached is a copy of my detailed inspection report for your records. If you have any questions, please contact me at (740) 380-5416.

Sincerely,

A handwritten signature in black ink that reads "Jake Greuey". The signature is written in a cursive style with a large initial "J".

Jake Greuey
District Site Representative
Division of Surface Water

JJG/dh

Enclosure

c: Wayne Grigsby, Technical Consultant

NPDES Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
0GS00032*AG	OHGS00064	July 16, 2009	C	S	1

B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Lighthouse Youth Center WWTP 1071 Tong Hollow Road Bainbridge, Ohio	1:00 p.m.	March 23, 2007
	Exit Time	Permit Expiration Date
	1:25 p.m.	December 31, 2009

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Tim Cleland- Maintenance Worker	
Name, Address and Title of Responsible Official	Phone Number
Mr. Bill Adams Lighthouse Services, Inc. 1071 Tong Hollow Road Bainbridge, Ohio 45612	

C. AREAS EVALUATED DURING INSPECTION

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Flow Measurement	<input type="checkbox"/> Pretreatment
<input checked="" type="checkbox"/> Records/Reports	<input checked="" type="checkbox"/> * Laboratory	<input type="checkbox"/> Compliance Schedules
<input checked="" type="checkbox"/> Operations & Maintenance	<input checked="" type="checkbox"/> Effluent/Receiving Waters	<input checked="" type="checkbox"/> Self-Monitoring Program
<input checked="" type="checkbox"/> Facility Site Review	<input type="checkbox"/> Sludge Storage/Disposal	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> Collection System		

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

D. SUMMARY OF FINDINGS/COMMENTS (attach additional sheets if necessary)

* Contract laboratory used and not evaluated.
See attached letter.



 Jake Greuer, Inspector, Ohio EPA, Southeast District Office

8/5/09

 Date



 Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office

8/6/09

 Date