

MATTHEW G. BEVIN
GOVERNOR



CHARLES G. SNAVELY
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WATER
130 EAGLE NEST DR
PADUCAH KY 42003-9435

ANTHONY R. HATTON
COMMISSIONER

November 29, 2018

Certified No. 7014 0510 0002 3570 6467
Return Receipt Requested

Moon River Marina & Resort
Joey Allen
3025 Rockcastle Rd
Cadiz, KY 42211

Re: Notice of Violation
AI ID: 4032
AI Name: Moon River Marina & Resort
Activity ID: ENV20180004
Permit No. KY0041122
Trigg County, KY

Dear Mr. Allen:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 270-898-8468.

Sincerely,

A handwritten signature in black ink, appearing to read "J York".

Jessie York,
Environmental Scientist II
Division of Water

Enclosure: Inspection Report; Notice of Violation



An Equal Opportunity Employer M/F/D

MATTHEW G. BEVIN
GOVERNOR



CHARLES G. SNAVELY
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
300 SOWER BOULEVARD
FRANKFORT, KENTUCKY 40601

ANTHONY R. HATTON
COMMISSIONER

October 29, 2018

CERTIFIED MAIL No. 7009 1680 0000 9374 2693

Moon River Marina & Resort
Joey Allen
3025 Rockcastle Rd
Cadiz, KY 42211

Re: Notice of Violation
AI ID: 4032
AI Name: Moon River Marina & Resort
Activity ID: ENV20180003
KPDES Permit #: KY0041122

Dear Mr. Allen:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility for the monitoring period of **July 2016-June 2018**. Please review the Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 502-782-6852 or linda.metts@ky.gov.

Sincerely,

A handwritten signature in cursive script that reads "Linda Metts".

Linda Metts
Environmental Enforcement Specialist
Division of Enforcement

Enclosure

**COMMONWEALTH OF KENTUCKY
ENERGY and ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Enforcement**

NOTICE OF VIOLATION

To: Moon River Marina & Resort
Joey Allen
3025 Rockcastle Rd
Cadiz, KY 42211

AI Name: Moon River Marina & Resort **AI ID:** 4032 **Activity ID:** ENV20180003
County: Trigg
KPDES Permit: KY0041122
Date(s) Violation(s) Observed: 10/25/2018

This is to advise that you are in violation of the provisions cited below:

- 1 Violation Description for Subject Item AIOO0000004032():
No person shall, directly or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run or otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the Commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:

Failing to comply with 401 KAR 5:065, which cites 40 CFR 122.41(a), by failing to comply with the terms and conditions of KPDES Permit No. KY0041122, Outfall 001-2, for Total Suspended Solids (TSS) during the 2nd and 4th quarters of 2016; the 4th quarter of 2017; and the 1st and 2nd quarters of 2018. The permitted limits for TSS Loading are a monthly average of 0.25 lbs/day and a weekly average of 0.38 lbs/day. The reported results were a monthly average of 4.1 lbs/day and a weekly average of 4.1 lbs/day for the 2nd quarter of 2018. The permitted limits for TSS Concentration are a monthly average of 30 mg/l and a weekly average of 45 mg/l. The reported results were a monthly average of 45 mg/l for the 2nd quarter of 2016; a monthly average of 35 mg/l for the 4th quarter of 2016; a monthly average of 45 mg/l for the 4th quarter of 2017; a monthly average of 35 mg/l for the 1st quarter of 2018; and monthly average of 331 mg/l and a weekly average of 331 mg/l for the 2nd quarter of 2018.

The remedial measure(s), and date(s) to be completed by are as follows:

Moon River Marina and Resort shall comply with the terms and conditions of KPDES #KY0041122. The KDEP will continue to monitor your DMRs. [KRS 224.70-110]

- 2 Violation Description for Subject Item AIOO0000004032():
No person shall, directly or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run or otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the Commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:

Failing to comply with 401 KAR 5:065, which cites 40 CFR 122.41(a), by failing to comply with the terms and conditions of KPDES Permit No. KY0041122, Outfall 001-2, for Biochemical Oxygen Demand (BOD) during the 2nd quarter of 2016; the 2nd and 4th quarters of 2017; and the 1st and 2nd quarters of 2018. The permitted limits for BOD Loading are a monthly average of 0.25 lbs/day and a weekly average of 0.38 lbs/day. The reported results were a monthly average of 0.27 lbs/day for the 1st quarter of 2018; and a monthly average of 3.52 lbs/day and a weekly average of 3.52 lbs/day for 2nd quarter of 2018. The permitted limits for BOD Concentration are a monthly average of 30 mg/l and a weekly average of 45 mg/l. The reported results were a monthly average of 38 mg/l for the 2nd quarter of 2016; a monthly average of 38 mg/l for the 2nd quarter of 2017; a monthly average of 67 mg/l and a weekly average of 67 mg/l for the 4th quarter of 2017; a monthly average of 115 mg/l and a weekly average of 115 mg/l for the 1st quarter of 2018; and a monthly average of 285 mg/l and a average of 285 mg/l for the 2nd quarter of 2018.

The remedial measure(s), and date(s) to be completed by are as follows:

Moon River Marina and Resort shall comply with the terms and conditions of KPDES #KY0041122. The KDEP will continue to monitor your DMRs. [KRS 224.70-110]

3 Violation Description for Subject Item AIOO0000004032():

No person shall, directly or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run or otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the Commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:

Failing to comply with 401 KAR 5:065, which cites 40 CFR 122.41(a), by failing to comply with the terms and conditions of KPDES Permit No. KY0041122, Outfall 001-2, for Total Ammonia Nitrogen (TAN) during the 4th quarter of 2016; the 3rd quarter of 2017; and the 1st and 2nd quarters of 2018. The permitted limits for TAN Loading are a monthly average of 0.17 lbs/day and a weekly average of 0.17 lbs/day. The reported results were a monthly average of 0.26 lbs/day and a weekly average of 0.26 lbs/day for the 1st quarter of 2018; and a monthly average of 0.90 lbs/day and a weekly average of 0.90 lbs/day for 2nd quarter of 2018. The permitted limits for TAN Concentration are a monthly average of 20 mg/l and a weekly average of 20 mg/l. The reported results were a monthly average of 35.2 mg/l and a weekly average of 35.2 mg/l for the 4th quarter of 2016; a monthly average of 36 mg/l and a weekly average of 36 mg/l for the 3rd quarter of 2017; a monthly average of 112 mg/l and a weekly average of 112 mg/l for the 1st quarter of 2018; and a monthly average of 72.7 mg/l and a weekly average of 72.7 mg/l for the 2nd quarter of 2018.

The remedial measure(s), and date(s) to be completed by are as follows:

Moon River Marina and Resort shall comply with the terms and conditions of KPDES #KY0041122. The KDEP will continue to monitor your DMRs. [KRS 224.70-110]

4 Violation Description for Subject Item AIOO0000004032():

No person shall, directly or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run or otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the Commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:

Failing to comply with 401 KAR 5:065, which cites 40 CFR 122.41(a), by failing to comply with the terms and conditions of KPDES Permit No. KY0041122, Outfall 001-2, for Total Residual Chlorine (TRC) during the 2nd and 3rd quarters of 2017; and the 1st quarter of 2018. The permitted limits for TRC Concentration are a monthly average of 0.011 mg/l and a weekly average of 0.019 mg/l. The reported results were a monthly average of 0.03 mg/l and a weekly average of 0.03 mg/l for the 2nd quarter of 2017; a monthly average of 0.08 mg/l and a weekly average of 0.08 mg/l for the 3rd quarter of 2017; and a monthly average of 0.07 mg/l and a weekly average of 0.07 mg/l for the 1st quarter of 2018.

The remedial measure(s), and date(s) to be completed by are as follows:

Moon River Marina and Resort shall comply with the terms and conditions of KPDES #KY0041122. The KDEP will continue to monitor your DMRs. [KRS 224.70-110]

5 Violation Description for Subject Item AIOO0000004032():

No person shall, directly or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run or otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the Commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:

Failing to comply with 401 KAR 5:065, which cites 40 CFR 122.41(a), by failing to comply with the terms and conditions of KPDES Permit No. KY0041122, Outfall 001-2, for E. Coli during the 4th quarter of 2017; and the 1st and 2nd quarters of 2018. The permitted limits for E. Coli Concentration are a 30-day geometric mean of 130 per 100ml and a 7-day geometric mean of 240 per 100ml. The reported results were a 30-day geometric mean of 2420 per 100ml and a 7-day geometric mean of 2420 per 100ml for the 4th quarter of 2017; a 30-day geometric mean of 2420 per 100ml and a 7-day geometric mean of 2420 per 100ml for the 1st quarter of 2018; and a 30-day geometric mean of 2420 per 100ml and a 7-day geometric mean of 2420 per 100ml for the 2nd quarter of 2018.

The remedial measure(s), and date(s) to be completed by are as follows:

Moon River Marina and Resort shall comply with the terms and conditions of KPDES #KY0041122. The KDEP will continue to monitor your DMRs. [KRS 224.70-110]

6 Violation Description for Subject Item AIOO0000004032():

No person shall, directly or indirectly, throw, drain, run or otherwise discharge into any of the waters of the Commonwealth, or cause, permit or suffer to be thrown, drained, run or otherwise discharged into such waters any pollutant, or any substance that shall cause or contribute to the pollution of the waters of the Commonwealth in contravention of the standards adopted by the cabinet or in contravention of any of the rules, regulations, permits, or orders of the cabinet or in contravention of any of the provisions of this chapter. [KRS 224.70-110]

Description of Non Compliance:

Failing to comply with 401 KAR 5:065, which cites 40 CFR 122.41(a), by failing to comply with the terms and conditions of KPDES Permit No. KY0041122, Outfall 001-2, for Dissolved Oxygen (DO) during the 2nd quarter of 2018. The permitted limit for DO Concentration is a minimum of 7 mg/l. The reported result was a minimum of 0.57 mg/l for the 2nd quarter of 2018.

AI: Moon River Marina & Resort -- 4032

The remedial measure(s), and date(s) to be completed by are as follows:

Moon River Marina and Resort shall comply with the terms and conditions of KPDES #KY0041122. The KDEP will continue to monitor your DMRs. [KRS 224.70-110]

Violations of the above cited statute(s) and/or regulation(s) are subject to a civil penalty per day per violation. Violations carry civil penalties of up to \$25,000 per day per violation depending on the statutes/regulations violated. In addition, violations may be concurrently enjoined. Compliance with remedial measures and their deadlines does not provide exemption from liability for violations during the period of remediation, nor prevent additional remedial measures from being required.

If you have questions or need further information, write or call the undersigned:

Department for Environmental Protection
Division of Enforcement
300 Sower Blvd
Frankfort, KY 40601
502-782-6852 (7:30 AM -3:30 PM)
Ms. Linda Metts, Enforcement Specialist

Issued By:



Ms. Linda Metts
Environmental Enforcement Specialist
Compliance and Operations Branch
Date: October 29, 2018

Issued By:



Michelle M. Rice
Environmental Scientist V
Compliance and Operations Branch
Date: October 29, 2018

How Delivered: Certified Mail

Certified/Registered #7009 1680 0000 9374 2693

COMMONWEALTH OF KENTUCKY
ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water

NOTICE OF VIOLATION

To: Moon River Marina & Resort

Joey Allen

3025 Rockcastle Rd

Cadiz, KY 42211

AI Name: Moon River Marina & Resort AI ID: 4032 Activity ID: ENV20180004

Discovery ID: CIN20180001 County: Trigg

Enforcement Case ID:

Date(s) Violation(s) Observed: 11/20/2018

This is to advise that you are in violation of the provisions cited below:

1 Violation Description for Subject Item AIO0000004032():

Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control and related appurtenances which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit. [401 KAR 5:065 Section 2(1)] as in [40 CFR 122.41(e)]

Description of Non Compliance:

The facility is not being properly operated and maintained as required. Multiple effluent violations were reported during the third quarter of 2018. Severe corrosion was observed on the treatment plant walls.

The remedial measure(s), and date(s) to be completed by are as follows:

The permittee must, at all times, properly operate & maintain the facility. With proper approval(s) from the Division of Water, upgrade/update the facility in order to meet the regulatory requirements and facility permit conditions. Within thirty (30) days of the receipt of this notice, the permittee shall submit a written notification to the undersigned that the permittee complies with all requirements of its permit. Failure to comply with the remedial measures or repeated violations of this requirement may subject you and/or your company to an immediate referral to the Division of Enforcement. [401 KAR 5:065 Section 2(1)]

2 Violation Description for Subject Item AIO0000004032():

All wastewater treatment plants shall have a disinfection process which meets the following requirements: An ultraviolet disinfection system designed to treat the anticipated peak hourly flow; a chlorination system with a flow or demand proportional feed system. The chlorine contact tank shall have a minimum detention time of thirty (30) minutes based on the average flow, or fifteen (15) minutes based on the peak hourly flow, whichever requires the larger tank size. Wastewater treatment plants shall also have a dechlorination system with a flow or demand proportional feed system if necessary to meet the effluent limits; or a chlorination system with a manually controlled feed system and a flow equalization basin designed to eliminate the diurnal flow variations. Tablet type chlorination equipment shall not be used in an intermediate or large WWTP. [401 KAR 5:005 Section 11]

Description of Non Compliance:

The facility has failed to properly maintain and / or operate the disinfection unit. Chlorine and

Paducah, KY 42001
270-898-8468 (8:00 AM – 4:30 PM)
Jessie York, Environmental Scientist II

Issued By:



Jessie York, Environmental Scientist II

Date: November 29, 2018

Issued By:



Shannon McLeary, Environmental Control Supervisor

Date: November 29, 2018

How Delivered: Certified Mail

Certified/Registered # 7014 0510 0002 3570 6467

8/19/2019

Subject: Notice of Violation for Moon River Marina and Resort

I am the new manager at Moon River Marina and Resort and would like to take this opportunity to address the issues that I became aware of in June of 2019. I am not an expert by any means and with the guidance of Gary Russ of Russ, Inc. have been working diligently to rectify the violations spelled out in your notice of 11/20/2018. My goal is to be 100% compliant as our organization does not wish to do any damage to the environment that we call home. I would like to add that we have made great strides in a very short amount of time to ensure that the quality of water leaving our facility is clean and safe. Below are the steps we have implemented to date in order to ensure the treatment plant is functioning properly.

- The treatment facility is visually inspected 4+ times per day
- The application of baker's yeast and/or "bugs" as needed in order to maintain the proper color as described to us by Gary Russ.
- The water meter is read and accounted for the amount of water used. (data provided)
- The chlorine contact tank is pumped weekly by a licensed waste disposal company as an additional safety measure to ensure there is no undesirable matter in that basin.

Gary Russ informed me that our treatment plant is rated to handle 2700 gal / 24 hours. We have been checking the water meter and recording our daily usage, and monitoring usage throughout the day including peak usage times.

Our best results are as follows:

June 21, 2019	Target	July 19, 2019
Field Dissolved Oxygen 1.6	2	Field Dissolved Oxygen 3.77
Field pH 6.72	6-9	Field pH 7.09
Field Residual Chlorine 0.4	.019	Field Residual Chlorine not on report
Ammonia 16	Below 10	Ammonia 9.87
BOD 5 day 368	Below 20	BOD 5 day 22
Total Suspended Solids 61.1	45 max.	Total Suspended Solids 12.9
E. Coli 2420	Below 160	E. Coli 59

In closing we ask for your patience and guidance to correct the violations you have presented. Please know that we would not intentionally violate the terms of our permit nor ignore the seriousness of the situation. We realize that one improved test result is not a consistent measure of overall performance, however, we feel it is a very good start to continued compliance.

Sincerely,


David N. Yates

Manager

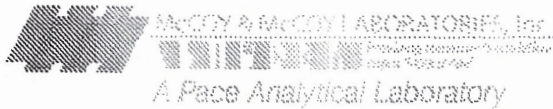
Moon River Marina and Resort

Moonriver water usage

Plant rated at 2700 gal / day

Water useage				
Date read	Meter reading	gallons	Days	
5/9/2019	6/10/2019	32500	32	
7/12/2019	2364650			
7/13/2019	2365650	1000	1	Fri
7/14/2019	2366790	1140	1	Sat
7/15/2019	2367570	780	1	Sun
7/17/2019	2369270	1700	2	
7/18/2019	2370490	1220	1	
7/19/2019	2371460	970	1	
7/20/2019	2372560	1100	1	Fri
7/21/2019	2373850	1290	1	Sat
7/22/2019	2374780	930	1	Sun
7/23/2019	2375770	990	1	
7/24/2019	2376690	920	1	
7/25/2019	2377670	980	1	
7/26/2019	2378870	1200	1	fri
7/27/2019	2381780	2910	1	water leak campsite #12 ground spill
7/28/2019	2383270	1490	1	sun
7/29/2019	2384400	1130	1	
7/31/2019	2386470	2070	2	
8/1/2019	2387550	1080	1	
8/2/2019	2388730	1180	1	Fri
8/3/2019	2390500	1770	1	Sat
8/4/2019	2391840	1340	1	Sun
8/5/2019	2392700	1060	1	
8/7/2019	2394190	1490	2	
8/8/2019	2395040	850	1	
9/9/2019	2398100	1060	1	Fri
9/10/2019	2399280	1180	1	Sat
8/11/2019	2398470	1190	1	Sun
8/14/2019	2400900	2030	3	
8/15/2019	2401400	900	1	
8/16/2019	2401760	1360	1	fri
8/17/2019	2404190	1370	1	sat
8/18/2019	2405390	1260	1	sun

73240	69	Totals
	1061.449	Average daily usage gallons



P.O. Box 907
 Madisonville, KY 42431
 270.821.7375
 www.mccoylabs.com

Pikeville, KY 606.432.3104
 Farmersburg, IN 812.696.5076
 Lexington, KY 859.299.7775
 Paducah, KY 270.444.6547

"Providing Tomorrow's Analytical Capabilities Today"

Certificate of Analysis
9073924

Gary Russ
 JBA, LLC
 3025 Rockcastle Road Lot 20
 Cadiz KY, 42211

Customer ID: 44-100945
 Report Printed: 07/25/2019 15:29

Project Name: Quarterly DMR Workorder: 9073924

Dear Gary Russ

Enclosed are the analytical results for samples received at one of our laboratories on 07/19/2019 16:50.

McCoy & McCoy Laboratories, Inc. is a commercial laboratory accredited by various state and national authorities, including Indiana, Kentucky, Tennessee, and Virginia's National Environmental Laboratory Accreditation Program (NELAP). With the NELAP accreditation, applicable test results are certified to meet the requirements of the National Environmental Laboratory Accreditation Program.

If you have any questions concerning this report please contact the individual listed below.

Please visit our website at www.mccoylabs.com for a listing of the NELAP accreditations and Scope of Work, as well as, links to other scientific organizations.

This certificate of analysis may not be reproduced without the written consent of McCoy & McCoy Laboratories, Inc.

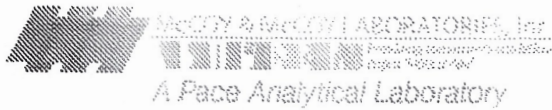


#460210
 Madisonville

Bonney Hewlett

Bonney Hewlett, Project Manager

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



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 270.821.7375
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 Farmersburg, IN
 812.696.5076

Lexington, KY
 859.299.7775
 Paducah, KY
 270.444.6547

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SAMPLE SUMMARY

Lab ID	Client Sample ID/Title	Matrix	Date Collected	Date Received	Sampled By
9073924-01	Effluent/Moon River	Effluent	07/19/2019 13:30	07/19/2019 16:50	Gary Russ
9073924-02	Effluent Ecol/Moon River	Effluent	07/19/2019 13:30	07/19/2019 16:50	Gary Russ

LabNumber	Measurement	Value
9073924-01	Field Dissolved Oxygen	3.77
	Field pH	7.09
	Field Temp (C)	29.7

ANALYTICAL RESULTS

Lab Sample ID: 9073924-01 Sample Collection Date Time: 07/19/2019 13:30
 Description: Effluent Moon River Sample Received Date Time: 07/19/2019 16:50

Matrix: Effluent Discharge/Site No: 001 Regulatory ID: KY0041122

Conventional Chemistry Analysis Madisonville

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Ammonia as N	0.87		mg/L	0.25		4500-NH3 D-2011	07/20/2019 17:48	07/20/2019 17:48	BJM1
BOD 5 Day	22		mg/L	2		5210 B-2011	07/20/2019 12:00	07/25/2019 11:45	TLB
Total Suspended Solids	12.0		mg/L	5.6	5.6	2540 D-2011	07/23/2019 10:04	07/23/2019 10:04	ALT

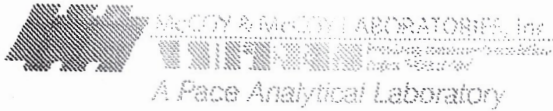
ANALYTICAL RESULTS

Lab Sample ID: 9073924-02 Sample Collection Date Time: 07/19/2019 13:30
 Description: Effluent Ecol Moon River Sample Received Date Time: 07/19/2019 16:50

Matrix: Effluent Discharge/Site No: 001 Regulatory ID: KY0041122

Microbiological Analysis Madisonville

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
E. Coli	58		MPN/100m L	1		SM9223 COLertQT 18	07/19/2019 17:01	07/20/2019 11:10	MLC



P.O. Box 907
 Madisonville, KY 42431
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Pikeville, KY Farmersburg, IN
 606.432.3104 812.696.5076

Lexington, KY Paducah, KY
 859.299.7775 270.444.6547

"Providing Tomorrow's Analytical Capabilities Today"

Notes for work order 8073824

- Samples collected by MMLJ personnel are done so in accordance with procedures set forth in MMLJ field services SOPs.
 - Results contained in this report are only representative of the samples received.
 - MMLJ does not provide interpretation of these results unless otherwise stated.
 - All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
 - All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
 - Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
 - The Chain of Custody document is included as part of this report.
 - All Library Search analyses should be regarded as tentative identification based on the presumptive evidence of the mass spectra.
- Concentrations reported are estimated values.

Qualifiers

U Target analyte was analyzed for, but was below detection limit (the value associated with the qualifier is the laboratory method detection limit in our LIMS system).

Standard Qualifiers/Acronyms

- MDL Method Detection Limit
- MRL Minimum Reporting Limit
- ND Not Detected
- LCS Laboratory Control Sample
- MS Matrix Spike
- MSD Matrix Spike Duplicate
- DUP Sample Duplicate
- % Rec Percent Recovery
- RPD Relative Percent Difference
- > Greater than
- < Less than

Certified Analyses Included in this Report

Analyte	Certifications
2540 D-2011 In Water	
4500-NH3 D-2011 In Water	
5210 B-2011 In Water	
SM9223 COLORT 19 In Water	
E. Coli	KY Drinking Water Midv (00030) KY Wastewater Midv (00030)



McCoy & McCoy LABORATORIES, Inc.
A Pace Analytical Laboratory

P.O. Box 907
Madisonville, KY 42431
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Farmersburg, IN
812.696.5076

Lexington, KY
859.299.7775

Paducah, KY
270.444.6547

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Sample Acceptance Checklist for Work Order 9073924	
Shipped By: Client	Temperature: 4.00° Celcius
Condition	
Check if custody seals were present/intact	<input type="checkbox"/>
Check if any containers were received damaged	<input type="checkbox"/>
Check if COC was submitted and complete	<input checked="" type="checkbox"/>
Check if COC agrees with sample labels	<input checked="" type="checkbox"/>
Check if all containers on COC were received	<input checked="" type="checkbox"/>
Check if all samples had appropriate containers	<input checked="" type="checkbox"/>
Check if all samples had appropriate volumes	<input checked="" type="checkbox"/>
Check if collection methods were recorded on COC	<input checked="" type="checkbox"/>
Check if flow units were recorded on COC	<input type="checkbox"/>
Check if any hazardous labels were visible on sample	<input type="checkbox"/>
Check if holding times were acceptable	<input checked="" type="checkbox"/>
Check if all containers are preserved properly	<input checked="" type="checkbox"/>



Pace Analytical Laboratory
 1000 West Main Street
 Lexington, KY 40502
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SAMPLE SUMMARY

Lab ID	Client Sample ID/Alias	Matrix	Date Collected	Date Received	Sampled By
9063564-01	Effluent/Moon River	Effluent	06/21/2019 12:45	06/21/2019 16:35	Gary Russ
9063564-02	Effluent Ecoli/Moon River	Effluent	06/21/2019 12:45	06/21/2019 16:35	Gary Russ

LabNumber	Measurement	Value	STATUS
9063564-01	Field Dissolved Oxygen	1.6	2
	Field pH	6.72	6.72
	Field Residual Chlorine	0.4	0.4
	Field Temp (C)	31.5	

ANALYTICAL RESULTS

Lab Sample ID: 9063564-01
 Description: Effluent Moon River

Sample Collection Date Time: 06/21/2019 12:45
 Sample Received Date Time: 06/21/2019 16:35

Matrix: Effluent

Discharge/Site No: 001

Regulatory ID: KY0041122

Conventional Chemistry Analyses Madisonville

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
Ammonia as N	16.0		mg/L	0.25		4500-NH3 D-2011	06/22/2019 15:45	06/22/2019 15:45	BJM1
BOD 5 Day	388		mg/L	2		5210 B-2011	06/22/2019 10:07	06/27/2019 10:25	TLB
Total Suspended Solids	81.1		mg/L	27.8	27.8	2540 D-2011	06/24/2019 11:48	06/24/2019 11:48	ALT

81.1 mg/L
 388 mg/L

ANALYTICAL RESULTS

Lab Sample ID: 9063564-02
 Description: Effluent Ecoli Moon River

Sample Collection Date Time: 06/21/2019 12:45
 Sample Received Date Time: 06/21/2019 16:35

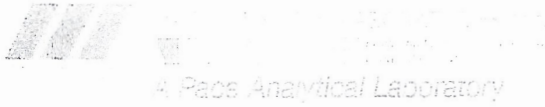
Matrix: Effluent

Discharge/Site No: 001

Regulatory ID: KY0041122

Microbiological Analyses Madisonville

Analyte	Result	Flag	Units	MRL	MDL	Method	Prepared	Analyzed	Analyst
E. Coli	2420	>E	MPN/100m L	1		SM9223 COLertQT 18	06/21/2019 16:54	06/22/2019 13:12	TSR1



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Notes for work order 8063564

- Samples collected by MMLI personnel are done so in accordance with procedures set forth in MMLI field services SOPs.
- Results contained in this report are only representative of the samples received.
- MMLI does not provide interpretation of these results unless otherwise stated.
- All Waste Water analyses comply with methodology requirements of 40 CFR Part 136.
- All Drinking Water analyses comply with methodology requirements of 40 CFR Part 141.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identification based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.

Qualifiers

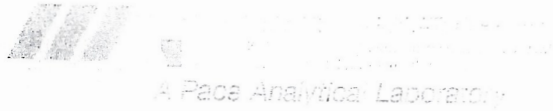
- >E E. coli concentration greater than 2420 MPN/100mL.
- U Target analyte was analyzed for, but was below detection limit (the value associated with the qualifier is the laboratory method detection limit in our LIMS system).

Standard Qualifiers/Acronyms

- MDL Method Detection Limit
- MRL Minimum Reporting Limit
- ND Not Detected
- LCS Laboratory Control Sample
- MS Matrix Spike
- MSD Matrix Spike Duplicate
- DUP Sample Duplicate
- % Rec Percent Recovery
- RPD Relative Percent Difference
- > Greater than
- < Less than

Certified Analyses Included in this Report

Analyte	Certifications
2540 D-2011 in Water	
4500-NH3 D-2011 in Water	
5210 B-2011 in Water	
SM9223 COLertQT 16 in Water	
E. Coli	KY Drinking Water Mdv (00030) KY Wastewater Mdv (00030)



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Sample Acceptance Checklist for Work Order 9063564	
Shipped By: Client	Temperature: 5.40° Celcius
Condition	
Check if custody seals were present/intact.	<input type="checkbox"/>
Check if any containers were received damaged.	<input type="checkbox"/>
Check if COC was submitted and complete.	<input checked="" type="checkbox"/>
Check if COC agreed with sample labels.	<input checked="" type="checkbox"/>
Check if all containers on COC were received	<input checked="" type="checkbox"/>
Check if all samples had appropriate containers.	<input checked="" type="checkbox"/>
Check if all samples had appropriate volumes.	<input checked="" type="checkbox"/>
Check if collection methods were recorded on COC.	<input checked="" type="checkbox"/>
Check if flow units were recorded on COC.	<input type="checkbox"/>
Check if any headspace issues with volatile sample	<input type="checkbox"/>
Check if holding times were acceptable.	<input checked="" type="checkbox"/>
Check if all containers were preserved properly.	<input checked="" type="checkbox"/>

MATTHEW G. BEVIN
GOVERNOR



CHARLES G. SNAVELY
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION

ANTHONY R. HATTON
COMMISSIONER

DIVISION OF WATER
130 EAGLE NEST DR
PADUCAH, KY 42003-9435

November 29, 2018

Certified No. 7014 0510 0002 3570 6467
Return Receipt Requested

Moon River Marina & Resort
Joey Allen
3025 Rockcastle Rd
Cadiz, KY 42211

Re: Notice of Violation
AI ID: 4032
AI Name: Moon River Marina & Resort
Activity ID: ENV20180004
Permit No. KY0041122
Trigg County, KY

Dear Mr. Allen:

The Kentucky Department for Environmental Protection (DEP) has issued the enclosed Notice of Violation for violations discovered at your facility. Please review this Notice of Violation carefully to ensure that all remedial measures are completed by the specified deadlines.

Your cooperation and attention to this matter is appreciated. If you have any questions, please contact me at 270-893-8468.

Sincerely,

Jessie York,
Environmental Scientist II
Division of Water

Enclosure: Inspection Report; Notice of Violation



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