

Data Qualifiers in the TWL Laboratory Quality Assurance System:

- B _____ present in the method blank at _____.
- C The batch control sample failed to meet the required acceptance criteria.
- D Result obtained through the analysis of a sample dilution.
- E Concentration exceeds the instrument calibration range.
- F Internal Standard area failed to meet the required acceptance criteria in repeat instrumental analyses. Results should be interpreted as estimated concentrations.
- G The Method of Standard Additions (MSA) was used to quantify the concentration. Test performed after maximum allowable hold time.
- H Increased imprecision in Laboratory Control Sample (LCS) Duplicate
- I Estimated value.
- K DW sample above 10 C and received more than two hours after collection.
- M Analyte failed to meet the required acceptance criteria for duplicate analysis.
- N Relative difference between the high and low replicates was greater than 30%.
- P Chemical preservation discrepancy noted at the time of analysis.
- Q Analyte failed to meet the required acceptance criteria for spike recovery in the matrix spike (MS) and matrix spike duplicate (MSD).
- R The TRC analysis could not be performed on the sample and no other information was available
- T Too Numerous to Count and/or Confluent; estimated value.
- U Parameter was analyzed for but not detected above the reporting limit.
- NA Not analyzed.
- NR Not requested.
- X Miscellaneous; note comments section.
- S The batch control sample was within 10% of acceptance criteria



Total Water Laboratories, LLC
 515 Old South 5,
 Camdenon, Missouri
 65065
 Phone:(573) 346-3810
 Fax:(573) 346-4168

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Summer Place on the Lake Condominiums WWTF
Permit No: MOGD00095
Table: A-4 Quarterly - Grab
Facility Type: Flow equalization / extended aeration / aerated sludge holding/secondary clarification / chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0123234
County: Camden
 (Last permit review: 03 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20 <u>18</u>	Due October 28 th 20__	Due Jan 28 th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Bob Lassiter
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	<u>6-05-18</u>	<u>8:00</u>						24 hr. estimate
BOD	mg/L	20	<u>6-10-18</u>	<u>6:10</u>				Grab		5210 B
TSS	mg/L	20	<u>6-10-18</u>	<u>4:8</u>				Grab		2540 D
pH	Units	6.0 - 9.0	<u>6-10-18</u>	<u>7:75</u>				Grab		4500 H + B
E. coli	#100mL	126	<u>6-10-18</u>	<u>1</u>				Grab		9223 B
Cl TRC	µg/L	8.0	<u>6-10-18</u>	<u><130</u>				Grab		4500 CL - G
Ammonia	mg/L	4.6	<u>6-10-18</u>	<u><0.60</u>				Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	<u>6-10-18</u>	<u>8:08</u>				Grab		4500 OG
Signature & Title of Individual Preparing Report:			Date: <u>7-15-18</u>		Date: <u>7/19/2018</u>		Telephone: 573-346-3810		E-mail: info@totalenvironmental.com	
Report Approved By Owner: <u>Yvonne Thacker</u>			Date: <u>7/19/2018</u>		Date: <u>7/19/2018</u>		Telephone:		E-mail:	
X			Date: <u>7/19/2018</u>		Date: <u>7/19/2018</u>		Telephone:		E-mail:	

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125
 DMR & Permit Expire: 30 Jun 2019

Data Qualifiers in the TWL Laboratory Quality Assurance System:

- B _____ present in the method blank at _____.
- C The batch control sample failed to meet the required acceptance criteria.
- D Result obtained through the analysis of a sample dilution.
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- I Increased imprecision in Laboratory Control Sample (LCS) Duplicate
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TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Summer Place on the Lake Condominiums WWTF

Permit No: MOGD00095

Table: A-4 Quarterly - Grab

Facility Type: Flow equalization / extended aeration / aerated sludge holding/secondary clarification / chlorination and Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.

Terminated Permit No: MO-0123234

County: Camden

(Last permit review: 03 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

<input checked="" type="radio"/> 1 st Quarter	<input type="radio"/> 2 nd Quarter	<input type="radio"/> 3 rd Quarter	<input type="radio"/> 4 th Quarter
January through March	April through June	July through September	October through December
Due April 28 th 20 <u>18</u>	Due July 28 th 20	Due October 28 th 20	Due Jan 28 th 20
No Discharge for Quarter <input checked="" type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Bob Lassiter Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	<u>3-07-18</u>	<u>10:00</u>					Grab	24 hr. estimate
BOD	mg/L	20							Grab	5210 B
TSS	mg/L	20							Grab	2540 D
pH	Units	6.0 - 9.0							Grab	4500 H + B
E. coli	#100mL	126							Grab	9223 B
Cl TRC	µg/L	8.0							Grab	4500 CL - G
Ammonia	mg/L	4.6							Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report							Grab	4500 OG
Signature & Title of Individual Preparing Report: <u>Margaret Blackhart Lab Analyst</u> Date: <u>3-14-18</u> Telephone: <u>573-346-3810</u> E-mail: <u>info@totalenvironmental.com</u>										
Report Approved By: Owner: <u>[Signature]</u> Date: <u>3/19/2018</u> Telephone: Telephone: E-mail: E-mail:										

DMR & Permit Expire 30Jun2019

Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO

To Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Summer Place on the Lake Condominiums WWTF

Permit No: MOGD00095

Table: A-4 Quarterly - Grab

Facility Type: Flow equalization / extended aeration / aerated sludge holding/secondary clarification / chlorination and Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.

Terminated Permit No: MO-0123234

County: Camden

(Last permit review: 03 April 2017)

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1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input checked="" type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20____	Due July 28 th 20____	Due October 28 th 20____	Due Jan 28 th 20 <u>18</u>
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>

Outfall # 001 Sample Collected By: Bob Lassiter Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date: <u>10-27-17</u> Time: <u>9:05</u>	ANALYSIS DATE	Date: <u>12-8-17</u> Time: <u>9:05</u>	ANALYSIS DATE				
Flow	GPD	Design flow 1,501 - 50K							Grab	24 hr. estimate
BOD	mg/L	20							Grab	5210 B
TSS	mg/L	20							Grab	2540 D
pH	Units	6.0 - 9.0							Grab	4500 H + B
E. coli	#100mL	126							Grab	9223 B
Cl TRC	µg/L	8.0							Grab	4500 CL - G
Ammonia	mg/L	4.6							Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report							Grab	4500 OG
Signature & Title of Individual Preparing Report: <u>Janae Blackhart Lab Analyst</u> Telephone: <u>573-346-3810</u> E-mail: <u>info@totalenvironmental.com</u>										
Report Approved By Owner: <u>[Signature]</u> Telephone: Telephone: E-mail: E-mail:										

DMR & Permit Expire_30Jun2019

Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO

To Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample - Monthly Report

ENTERED

Owner: Lake Area Wastewater Association, Inc.

Facility: Summer Place on the Lake Condominiums WWTF

Terminated Permit No: MO-0123234

Permit No: MOGD00095

OCT 16 2017

County: Camden

18320

(Last permit review: 03 April 2017)

Facility Type: Flow equalization / extended aeration / aerated sludge holding/secondary clarification / chlorination and Dechlorination / sludge disposal by contract hauler

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1st Quarter <input type="radio"/>	2nd Quarter <input type="radio"/>	3rd Quarter <input checked="" type="radio"/>	4th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20__	Due October 28 th 20 <u>17</u>	Due Jan 28 th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Med Boss Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	9-25-17	1119					Grab	24 hr. estimate
BOD	mg/L	20						Grab	Grab	5210 B
TSS	mg/L	20						Grab	Grab	2540 D
pH	Units	6.0 - 9.0						Grab	Grab	4500 H + B
E. coli	#100mL	126						Grab	Grab	9223 B
Cl TRC	µg/L	8.0						Grab	Grab	4500 CL - G
Ammonia	mg/L	4.6						Grab	Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report						Grab	Grab	4500 OG

Signature & Title of Individual Preparing Report: Ray Allen Technical Lab Director Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

Report Approved By Owner: R. Shaw Telephone: Telephone: E-mail: E-mail:

DMR & Permit Expire 30Jun2019

Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO

Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd

Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample -- Monthly Report

Facility: Summer Place on the Lake Condominiums WWTF
 Permit No: MOGD00095
 Table: A-4 Quarterly - Grab
 Facility Type: Flow equalization / extended aeration / aerated sludge holding/secondary clarification / chlorination and Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.
 Terminated Permit No: MO-0123234
 County: Camden

JUN 27 2017
 # 13733 (13733)
 (Last permit review: 03 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input checked="" type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20	Due July 28 th 20 / 17	Due October 28 th 20	Due Jan 28 th 20
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Bob Lessiter Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	5-16-17	8:00	5-24-17	8:24				24 hr. estimate
BOD	mg/L	20	1185		10-5-1			Grab		5210 B
TSS	mg/L	20	5.0					Grab		2540 D
pH	Units	6.0 - 9.0	7.76					Grab		4500 H + B
E. coli	#100mL	126	< 1.0					Grab		9223 B
Cl TRC	µg/L	8.0	< 130					Grab		4500 CL - G
Ammonia	mg/L	4.6	< 0.60					Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	7.08					Grab		4500 OG
Signature & Title of Individual Preparing Report: <u>Raymond Fleckhart Lab Analyst</u>										
Report Approved By Owner: <u>R. Am...</u>										
			Telephone: <u>573-346-3810</u>		Telephone: <u>573-346-3810</u>		Telephone: <u>573-346-3810</u>		E-mail: <u>info@totalenvironmental.com</u>	
			Telephone: <u>573-346-3810</u>		Telephone: <u>573-346-3810</u>		Telephone: <u>573-346-3810</u>		E-mail: <u>info@totalenvironmental.com</u>	

DMR & Permit Expire 30Jun2019

Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO

Do Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
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TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camden, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge -Quarterly Sample - Quarterly Report

Facility: Sylvan Bay Subdivision WWTF
Permit No: MOGD00234
Table: A-4 Quarterly - Grab
Facility Type: Lift Stations/Extended Air/ Seasonal Ultra-Violet/sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0105481
County: Camden

4-10-19 12:05
Samples Received in Lab:

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.									
1 st Quarter – January through March Due by April 28, 2019		2 nd Quarter – April through June Due by July 28, 2019		3 rd Quarter – July through September Due by October 28, 2019		4 th Quarter – October through December Due by January 20, 2020			
<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	
Outfall #	Sample Collected By:	No Discharge For Quarter	Telephone:	Analysis Performed By:	No Discharge For Quarter	Telephone:	Completed at Sample Site	Comments	Analytical Method
001	Bob Lassiter	<input type="checkbox"/>	573-346-3810	Total Water Laboratories, LLC.	<input type="checkbox"/>	573-346-3810			
Parameter	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments
Flow	1501-50000	24 Hour Estimate	4-10-19 11:20	2250	GPD	4-11-19 07:05			Completed at Sample Site
BOD	20	Grab	4-10-19 11:20	<2.0	mg/L	4-16-19 07:40	VF	C, N	SM 5210 B
TSS	20	Grab	4-10-19 11:20	2.1	mg/L	4-11-19 12:44	DG		SM 2540 D
E. Coli	126	Grab	4-10-19 11:20	<1.0	#/100mL	4-11-19 12:50	VF		SM 9233 B
pH	6.0-9.0	Grab	4-10-19 11:20	7.59	Units				SM 4500 H + B
Ammonia	4.6	Grab	4-10-19 11:20	<0.60	mg/L	4-27-19	AO		Hach 10205*
Dissolved Oxygen	Monitor & Report	Grab	4-10-19 11:20	8.49	mg/L				SM 4500 OG
Signature & Title of Individual Preparing Report: <i>Amy Osborn</i> Amy Osborn, Technical Lab Director									
Report Approved By Owner: X						Date: May 9, 2019		Telephone: 573-346-3810	
						Date:		E-mail: info@totalenvironmental.com	
						Date:		E-mail:	

DMR Permit expires: June 30, 2019

Laboratory Report Number: 2019-0171

Attachments:

Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.

*Method is not accredited through NH ELAP

Electronic Form Submitted
 Sign & Return Form to DNR Office:

MDNR/SWRO
2040 W Woodland
Springfield, MO 65807

ENTERED MAY 29 2019
51154


TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camdenton, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge -Quarterly Sample - Quarterly Report

Facility: Sylvan Bay Subdivision WWTF
Permit No.: MOGD00234
Table: A-4 Quarterly - Grab
Facility Type: Lift Stations/Extended Air/ Seasonal Ultra-Violet/sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No.: MO-0105481
County: Camden

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

<input checked="" type="checkbox"/> 1 st Quarter - January through March Due by April 28, 2019	<input type="checkbox"/> 2 nd Quarter - April through June Due by July 28, 2019	<input type="checkbox"/> 3 rd Quarter - July through September Due by October 28, 2019	<input type="checkbox"/> 4 th Quarter - October through December Due by January 20, 2020							
No Discharge For Quarter <input type="checkbox"/>	No Discharge For Quarter <input type="checkbox"/>	No Discharge For Quarter <input type="checkbox"/>	No Discharge For Quarter <input type="checkbox"/>							
Sample Collected By: Bob Lassiter		Analysis Performed By: Total Water Laboratories, LLC.								
Outfall # 001	Telephone: 573-346-3810	Telephone: 573-346-3810	Telephone: 573-346-3810							
Parameter	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method
Flow	1501-50000	24 Hour Estimate	2-6-19 10:40	4138	GPD				Completed at Sample Site	
BOD	20	Grab	2-6-19 10:40	4.93	mg/L	2-7-19 07:10 2-12-19 08:20	VF	C, N	Sec Page 2	SM 5210 B
TSS	20	Grab	2-6-19 10:40	7.7	mg/L	2-7-19	DG	C	Sec Page 2	SM 2540 D
E. Coli	126	Grab	NA		#/100mL				Completed at Sample Site	SM 9233 B
pH	6.0-9.0	Grab	2-6-19 10:40	8.0	Units				Completed at Sample Site	SM 4500 H + B
Ammonia	4.6	Grab	2-6-19 10:40	<0.60	mg/L	2-19-19	AO			Hach 10205*
Dissolved Oxygen	Monitor & Report	Grab	2-6-19 10:40	9.98	mg/L				Completed at Sample Site	SM 4500 OG
Signature & Title of Individual Preparing Report:  Amy Osborn, Technical Lab Director Report Approved By Owner: <input checked="" type="checkbox"/>										
Date: February 25, 2019						Telephone: 573-346-3810		E-mail: info@totalenvironmental.com		
Date: 2/28/2019						Telephone:		E-mail:		

DMR Permit expires: June 30, 2019

Laboratory Report Number: 2019-0028

Attachments:

Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.
 *Method is not accredited through NH ELAP

Electronic Form Submitted
 45816

Sign & Return Form to DNR Office:
 MDNR/SWRO
 2040 W Woodland
 Springfield, MO 65807

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Sylvan Bay Subdivision WWTF
Permit No: MOGD00234
Table: A-4 Quarterly - Grab
Facility Type: Lift Stations/Extended Air/ Seasonal Ultra-Violet/sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0105481
County: Camden
 (Last permit review: 31 March 2017)

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Due April 28 th 20	Due July 28 th 20	Due October 28 th 20	Due Jan 28 th 20 <u>19</u>
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Bob Lassiter
Telephone: 573 346 3810
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYTICAL METHOD
			Date: Time:	ANALYSIS DATE	Date: Time:	ANALYSIS DATE	
Flow	GPD	Design flow 1,501 - 50K	<u>10-02-18</u> <u>9:40</u>		<u>10-11-18</u> <u>9:50</u>		
BOD	mg/L	20			<u>6.422</u>		24 hr. estimate
TSS	mg/L	20			<u>< 2.0</u>		5210 B
pH	Units	6.0 - 9.0			<u>5.0 - 6</u>		2540 D
E. coli	#100mL	126	<u>< 1.0</u>		<u>8.01</u>		4500 H + B
Ultra-Violet	n/a	n/a	Ultra-violet				9223 B
Ammonia	mg/L	4.6			<u>40.60</u>		4500 CL - G
Dissolved O2	mg/L	Monitor & Report			<u>8.78</u>		4500 NH - 3
Signature & Title of Individual Preparing Report:							
Report Approved by Owner:			Date: <u>11-19-18</u>		Telephone: <u>573-346-3810</u>		E-mail: <u>info@totalenvironmental.com</u>
Signature: <u>Blawana Blockhart Lab Analyst</u>			Date: <u>11/20/2018</u>		Telephone:		E-mail:

ENTERED NOV 21 2018 39282
Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
TO Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125
 DMR & Permit Expire_30Jun2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample - Monthly Report

Facility: Sylvan Bay Subdivision WWTF
Permit No: MOGD00234
Table: A-4 Quarterly - Grab
Facility Type: Lift Stations/Extended Air/ Seasonal Ultra-Violet/sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0105481
County: Camden
 (Last permit review: 31 March 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/> January through March Due April 28 th 20____ No Discharge for Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/> April through June Due July 28 th 20____ No Discharge for Quarter <input type="radio"/>	3 rd Quarter <input checked="" type="radio"/> July through September Due October 28 th 20 <u>18</u> No Discharge for Quarter <input type="radio"/>	4 th Quarter <input type="radio"/> October through December Due Jan 28 th 20____ No Discharge for Quarter <input type="radio"/>
---	---	---	--

Outfall # 001 **Sample Collected By:** Bob Lassiter **Telephone:** 573 346 3810
Analysis Performed By: TOTAL WATER LABORATORIES, LLC. **Telephone:** 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	7-16-18							24 hr. estimate
BOD	mg/L	20	8:15					Grab		5210 B
TSS	mg/L	20	1.7					Grab		2540 D
pH	Units	6.0 - 9.0	7.33					Grab		4500 H + B
E. coli	#100mL	126	< 1.0					Grab		9223 B
Ultra-Violet	n/a	n/a	Ultra-violet					Grab		4500 CL - G
Ammonia	mg/L	4.6	< 0.40					Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	5.36					Grab		4500 OG

Signature & Title of Individual Preparing Report: AD **Date:** 8-09-18
Manasa Floekhat Lab Analyst **Date:** 8/10/18
Report Approved by Owner: BR **Telephone:** 573-346-3810 **E-mail:** info@totalenvironmental.com
AUG 17 2018

DMR & Permit Expire 30Jun2019
Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO
To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125



**Total Water Laboratories,
LLC**

515 Old South 5,
Camdenton, Missouri
65065
Phone: (573) 346-3810
Fax: (573) 346-4168

Data Qualifiers in the TWL Laboratory Quality Assurance System:

- B _____ present in the method blank at _____.
- C The batch control sample failed to meet the required acceptance criteria.
- D Result obtained through the analysis of a sample dilution.
- E Concentration exceeds the instrument calibration range.
- F Internal Standard area failed to meet the required acceptance criteria in repeat instrumental analyses. Results should be interpreted as estimated concentrations.
- G The Method of Standard Additions (MSA) was used to quantify the concentration.
- H Test performed after maximum allowable hold time.
- I Increased imprecision in Laboratory Control Sample (LCS) Duplicate
- J Estimated value.
- K DW sample above 10 C and received more than two hours after collection.
- M Analyte failed to meet the required acceptance criteria for duplicate analysis.
- N Relative difference between the high and low replicates was greater than 30%.
- P Chemical preservation discrepancy noted at the time of analysis.
- Q Analyte failed to meet the required acceptance criteria for spike recovery in the matrix spike (MS) and matrix spike duplicate (MSD).
- R The TRC analysis could not be performed on the sample and no other information was available
- T Too Numerous to Count and/or Confluent; estimated value.
- U Parameter was analyzed for but not detected above the reporting limit.
- NA Not analyzed.
- NR Not requested.
- X Miscellaneous; note comments section.
- S The batch control sample was within 10% of acceptance criteria

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Sylvan Bay Subdivision WWTF
Permit No: MOGD00234
Table: A-4 Quarterly - Grab
Facility Type: Lift Stations/Extended Air/ Seasonal Ultra-Violet/sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0105481
County: Camden
 (Last permit review: 31 March 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input checked="" type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20	Due July 28 th 20 <u>18</u>	Due October 28 th 20	Due Jan 28 th 20
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Bob Lessiter
Telephone: 573 346 3810
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	4-26-18	9:45					Grab	24 hr. estimate
BOD	mg/L	20	17.83						Grab	5210 B
TSS	mg/L	20	4.0						Grab	2540 D
pH	Units	6.0 - 9.0	7.94						Grab	4500 H + B
E. coli	#100mL	126	< 1.0						Grab	9223 B
Ultra-Violet	n/a	n/a	Ultra-violet						Grab	4500 CL - G
Ammonia	mg/L	4.6	4.6						Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	8.44						Grab	4500 OG

Signature & Title of Individual Preparing Report:
Theresa Fleckhart Lab Analyst
Report Approved by Owner:
R. Hart
Date: 5-7-18
Telephone: 573-346-3810
E-mail: info@totalenvironmental.com

Sign & Return Form [X] MDNR/SWRO [] MDNR/KCRO [] MDNR/NERO [] MDNR/SLRO
Do Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125
DMR & Permit Expire_ 30Jun2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample - Monthly Report

Facility: Sylvan Bay Subdivision WWTF
Permit No: MOGD00234
Table: A-4 Quarterly - Grab
Facility Type: Lift Stations/Extended Air/ Seasonal Ultra-Violet/sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0105481
County: Camden
 (Last permit review: 31 March 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input checked="" type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20 <u>18</u>	Due July 28 th 20 _____	Due October 28 th 20 _____	Due Jan 28 th 20 _____
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Bob Lassiter
Telephone: 573 346 3810
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	<u>3-19-18</u>	<u>10:30</u>						24 hr. estimate
BOD	mg/L	20	<u>3.23</u>	<u>C</u>				Grab	Grab	5210 B
TSS	mg/L	20	<u>4.9</u>					Grab	Grab	2540 D
pH	Units	6.0 - 9.0	<u>7.22</u>					Grab	Grab	4500 H + B
E. coli	#100mL	126	<u>---</u>					Grab	Grab	9223 B
Ultra-Violet	n/a	n/a	<u>Ultra-violet</u>					Grab	Grab	4500 CL - G
Ammonia	mg/L	4.6	<u>< 0.60</u>					Grab	Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	<u>8.29</u>					Grab	Grab	4500 OG

Signature & Title of Individual Preparing Report:
Nanima Blackhead Lab Analyst
Report Approved by Owner: R. Mast
Date: 4-23-18
Date: 4/12/2018
Telephone: 573-346-3810
E-mail: info@totalenvironmental.com

DMR & Permit Expire_30Jun2019
Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125



**Total Water Laboratories,
LLC**

515 Old South 5,
Camdenton, Missouri
65065
Phone: (573) 346-3810
Fax: (573) 346-4168

Data Qualifiers in the TWL Laboratory Quality Assurance System:

- B _____ present in the method blank at _____.
- C The batch control sample failed to meet the required acceptance criteria.
- D Result obtained through the analysis of a sample dilution.
- E Concentration exceeds the instrument calibration range.
- F Internal Standard area failed to meet the required acceptance criteria in repeat instrumental analyses. Results should be interpreted as estimated concentrations.
- G The Method of Standard Additions (MSA) was used to quantify the concentration.
- H Test performed after maximum allowable hold time.
- I Increased imprecision in Laboratory Control Sample (LCS) Duplicate
- J Estimated value.
- K DW sample above 10 C and received more than two hours after collection.
- M Analyte failed to meet the required acceptance criteria for duplicate analysis.
- N Relative difference between the high and low replicates was greater than 30%.
- P Chemical preservation discrepancy noted at the time of analysis.
- Q Analyte failed to meet the required acceptance criteria for spike recovery in the matrix spike (MS) and matrix spike duplicate (MSD).
- R The TRC analysis could not be performed on the sample and no other information was available
- T Too Numerous to Count and/or Confluent; estimated value.
- U Parameter was analyzed for but not detected above the reporting limit.
- NA Not analyzed.
- NR Not requested.
- X Miscellaneous; note comments section.
- S The batch control sample was within 10% of acceptance criteria

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample - Monthly Report

Facility: Sylvan Bay Subdivision WWTF
 Owner: Lake Area Wastewater Association, Inc.

Permit No: MOGD00234

Table: A-4 Quarterly - Grab

Facility Type: Lift Stations/Extended Air/ Seasonal Ultra-Violet/sludge disposal by contract hauler

Terminated Permit No: MO-0105481

County: Camden

(Last permit review: 31 March 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input checked="" type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20___	Due July 28 th 20___	Due October 28 th 20___	Due Jan 28 th 20___
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Rob Lassiter Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	10-17-17	8:35						24 hr. estimate
BOD	mg/L	20	19.23					Grab		5210 B
TSS	mg/L	20	2.2	- C				Grab		2540 D
pH	Units	6.0 - 9.0	8.18					Grab		4500 H + B
E. coli	#100mL	126	< 1.0					Grab		9223 B
Ultra-Violet	n/a	n/a	Ultra-violet					Grab		4500 CL - G
Ammonia	mg/L	4.6	< 0.60					Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	9.26					Grab		4500 OG

Signature & Title of Individual Preparing Report: Rob Lassiter Date: 11-07-17 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

Report Approved by Owner: Rob Lassiter Date: 11/08/2017 Telephone: _____ E-mail: _____

Signature: Rob Lassiter Date: 11/08/2017 Telephone: _____ E-mail: _____

DMR & Permit Expire: 30 Jun 2019

Sign & Return Form: MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO

To Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd

Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

Data Qualifiers in the TWL Laboratory Quality Assurance System:

- B _____ present in the method blank at _____.
- C The batch control sample failed to meet the required acceptance criteria.
- D Result obtained through the analysis of a sample dilution.
- E Concentration exceeds the instrument calibration range.
- F Internal Standard area failed to meet the required acceptance criteria in repeat instrumental analyses. Results should be interpreted as estimated concentrations.
- G The Method of Standard Additions (MSA) was used to quantify the concentration.
- H Test performed after maximum allowable hold time.
- I Increased imprecision in Laboratory Control Sample (LCS) Duplicate
- J Estimated value.
- K DW sample above 10 C and received more than two hours after collection.
- M Analyte failed to meet the required acceptance criteria for duplicate analysis.
- N Relative difference between the high and low replicates was greater than 30%.
- P Chemical preservation discrepancy noted at the time of analysis.
- Q Analyte failed to meet the required acceptance criteria for spike recovery in the matrix spike (MS) and matrix spike duplicate (MSD).
- R The TRC analysis could not be performed on the sample and no other information was available
- T Too Numerous to Count and/or Confluent; estimated value.
- U Parameter was analyzed for but not detected above the reporting limit.
- NA Not analyzed.
- NR Not requested.
- X Miscellaneous; note comments section.
- S The batch control sample was within 10% of acceptance criteria



Total Water Laboratories, LLC
515 Old South 5,
Camden, Missouri 64801
Phone: (573) 346-3810
Fax: (573) 346-4168

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample -- Monthly Report

Facility: Sylvan Bay Subdivision WWTF Owner: Lake Area Wastewater Association, Inc.

Permit No: MOGD00234 Terminated Permit No: MO-0105481

Table: A-4 Quarterly - Grab County: Camden

Facility Type: Lift Stations/Extended Air/ Seasonal Ultra-Violet/sludge disposal by contract hauler

ENTERED

AUG 23 2017

(Last permit review: 31 March 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input checked="" type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20___	Due July 28 th 20___	Due October 28 th 20 / 17	Due Jan 28 th 20___
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Sample Collected By: Bob Lassiter Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	7-26-17						Grab	24 hr. estimate
BOD	mg/L	20		10:00					Grab	5210 B
TSS	mg/L	20							Grab	2540 D
pH	Units	6.0 - 9.0							Grab	4500 H + B
E. coli	#100mL	126							Grab	9223 B
Ultra-Violet	n/a	n/a							Grab	4500 CL - G
Ammonia	mg/L	4.6							Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report							Grab	4500 OG

Signature & Title of Individual Preparing Report: [Signature] Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Report Approved by Owner: [Signature] Date: 8-14-17
[Signature] Date: 8/22/2017

DMR & Permit Expire 30Jun2019

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO

Go Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

6/22/17 #13510

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Sylvan Bay Subdivision WWTF
Permit No: MOGD00234
Table: A-4 Quarterly - Grab
Facility Type: Lift Stations/Extended Air/ Seasonal Ultra-Violet/sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0105481
County: Camden
 (Last permit review: 31 March 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1st Quarter <input type="radio"/>	2nd Quarter <input checked="" type="radio"/>	3rd Quarter <input type="radio"/>	4th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28th 20	Due July 28th 20 <u>17</u>	Due October 28th 20	Due Jan 28th 20
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Bob LaSalle
Telephone: 573-346-3910
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	<u>5-16-17</u>							24 hr. estimate
BOD	mg/L	20	<u>9-45</u>					Grab		5210 B
TSS	mg/L	20	<u>11:20</u>					Grab		2540 D
pH	Units	6.0 - 9.0	<u>1.8</u>					Grab		4500 H + B
E. coli	#100mL	126	<u>7.61</u>					Grab		9223 B
Ultra-Violet	n/a	n/a	<u>4.10</u>					Grab		4500 CL - G
Ammonia	mg/L	4.6	Ultra-violet					Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	<u>7.24</u>					Grab		4500 OG

Signature & Title of Individual Preparing Report: Doug O'Brien Technical Lab Director
Report Approved by Owner: R. O'Brien
Telephone: 573-346-3810
E-mail: info@totalenvironmental.com
Date: 6-7-17
Date: 6/13/2016

DMR & Permit Expire_30Jun2019
Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland Springfield, MO 65807 2155 N Westwood Poplar Bluff, MO 63901 1709 Prospect Dr Macorn, MO 63552 500 NE Colbern Rd Lee's Summit, MO 64086 7545 S Lindbergh Blvd St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camden, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge - Quarterly Sample - Quarterly Report

Facility: Three Seasons Condominiums WWTF

Permit No: MOGD00100

Table: A-4 Quarterly - Grab

Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.

Terminated Permit No: MO-0103047

County: Camden

Samples Received in Lab:
4-18-19 14:35

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

<input type="checkbox"/> 1 st Quarter - January through March Due by April 28, 2019		<input checked="" type="checkbox"/> 2 nd Quarter - April through June Due by July 28, 2019		<input type="checkbox"/> 3 rd Quarter - July through September Due by October 28, 2019		<input type="checkbox"/> 4 th Quarter - October through December Due by January 20, 2020				
No Discharge For Quarter <input type="checkbox"/>		No Discharge For Quarter <input checked="" type="checkbox"/>		No Discharge For Quarter <input type="checkbox"/>		No Discharge For Quarter <input type="checkbox"/>				
Sample Collected By: Kirk Davis		Telephone: 573-346-3810		Analysis Performed By: Total Water Laboratories, LLC.		Telephone: 573-346-3810				
Outfall #	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method
001	1501-50000	24 Hour Estimate	4-18-19 14:00	2100	GPD					
	20	Grab	4-18-19 14:00	6.16	mg/L	4-19-19 07:12 4-24-19 08:00	VF	N	Completed at Sample Site	SM 5210 B
	20	Grab	4-18-19 14:00	3.4	mg/L	4-19-19	DG			SM 2540 D
	126	Grab	4-18-19 14:00	1	#/100mL	4-18-19 14:37 4-19-19 14:38	VF			SM 9233 B
	6.0-9.0	Grab	4-18-19 14:00	7.62	Units					SM 4500 H + B
	4.6	Grab	4-18-19 14:00	<0.60	mg/L	4-27-19	AO			Hach 10205*
	<130	Grab	4-18-19 14:00	<130	µg/L					SM 4500 CL - G
	Monitor & Report	Grab	4-18-19 14:00	5.54	mg/L					SM 4500 OG
Signature & Title of Individual Preparing Report: Amy Osborn, Technical Lab Director		Date: May 9, 2019		Telephone: 573-346-3810		E-mail: info@totalenvironmental.com				

DMR Permit expires: June 30, 2019

Laboratory Report Number: 2019-0172

Attachments:

Electronic Form Submitted **Sign & Return Form to DNR Office:**

ENTERED MAY 29 2019 MDNR/SWRO
2040 W Woodland
Springfield, MO 65807

5160

LAWWA 1.17-000784

Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.

***Method is not accredited through NH ELAP**

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camdenton, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge -Quarterly Sample - Quarterly Report

Facility: Three Seasons Condominiums WWTF
Permit No: MOGD00100
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0103047
County: Camden
Samples Received in Lab:
 3-1-19 07:30

1 st Quarter - January through March Due by April 28, 2019		2 nd Quarter - April through June Due by July 28, 2019		3 rd Quarter - July through September Due by October 28, 2019		4 th Quarter - October through December Due by January 20, 2020				
<input checked="" type="checkbox"/> No Discharge For Quarter		<input type="checkbox"/> No Discharge For Quarter		<input type="checkbox"/> No Discharge For Quarter		<input type="checkbox"/> No Discharge For Quarter				
Sample Collected By: Kirk Davis		Telephone: 573-346-3810		Analysis Performed By: Total Water Laboratories, LLC.		Telephone: 573-346-3810				
Outfall #	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method
001	1501-50000	24 Hour Estimate	2-28-19 14:15	2000	GPD	3-1-19 07:10			Completed at Sample Site	
	20	Grab	2-28-19 14:15	5.03	mg/L	3-6-19 07:52	VF	C, N		SM 5210 B
	20	Grab	2-28-19 14:15	8.5	mg/L	3-1-19	DG	C		SM 2540 D
	126	Grab	NA		#/100mL					SM 9233 B
	6.0-9.0	Grab	2-28-19 14:15	7.50	Units					SM 4500 H + B
	4.6	Grab	2-28-19 14:15	<0.60	mg/L	3-13-19	AO			Hach 10205*
	<130	Grab	NA		µg/L					SM 4500 CL -G
	Monitor & Report	Grab	2-28-19 14:15	7.21	mg/L				Completed at Sample Site	SM 4500 OG
Signature & Title of Individual Preparing Report: <i>Amy Osborn</i> Amy Osborn, Technical Lab Director										
Report Approved By Owner: X						Telephone: 573-346-3810		E-mail: info@totalenvironmental.com		
Date: 3/21/19						Telephone:		E-mail:		

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

DMR Permit expires: June 30, 2019

Laboratory Report Number: 2019-0060

Attachments:

Electronic Form Submitted

Sign & Return Form to DNR Office:

MDNR/SWRO
2040 W Woodland
Springfield, MO 65807

4702A
March 20 2019

Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.
*Method is not accredited through NH ELAP

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Three Seasons Condominiums WWTF

Permit No: MOGD00100

Table: A-4 Quarterly - Grab

Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.

Terminated Permit No: MO-0103047

County: Camden

(Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input checked="" type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20	Due July 28 th 20	Due October 28 th 20	Due Jan 28 th 20 <u>19</u>
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Kirk Davis Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	10-08-18	7:00					Grab	24 hr. estimate
BOD	mg/L	20	2.4	2-C					Grab	5210 B
TSS	mg/L	20	4.1	- C					Grab	2540 D
pH	Units	6.0 - 9.0	7.68						Grab	4500 H + B
E. coli	#100mL	126	<1.0						Grab	9223 B
Cl TRC	µg/L	8.0	<130						Grab	4500 CL - G
Ammonia	mg/L	4.6	<0.60						Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	5.68						Grab	4500 OG

Signature & Title of Individual Preparing Report: AP Date: 11-19-18 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Report Approved By Owner: [Signature] Date: 11/20/2018 Telephone: Telephone: E-mail:

Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO
 To Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125
 EXPIRES NOV 21 2018 39284 DMR & Permit Expire_30Jun2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Three Seasons Condominiums WWTF
Permit No: MOGD00100
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0103047
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input checked="" type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20__	Due October 28 th 20 <u>18</u>	Due Jan 28 th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Kirk Davis
Telephone: 573 346 3810
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	7-16-18	10:45						
BOD	mg/L	20	4.18	-C				Grab		24 hr. estimate
TSS	mg/L	20	11.6	-M				Grab		5210 B
pH	Units	6.0 - 9.0	7.75					Grab		2540 D
E. coli	#100mL	126	< 1.0					Grab		4500 H + B
Cl TRC	µg/L	8.0	< 130					Grab		9223 B
Ammonia	mg/L	4.6	< 0.60	-Q				Grab		4500 CL - G
Dissolved O2	mg/L	Monitor & Report	4.30					Grab		4500 NH - 3
Signature & Title of Individual Preparing Report: <u>Raymond Mackhart Lab Analyst II</u>										
Report Approved By Owner: <u>[Signature]</u>										

Telephone: 573-346-3810
E-mail: info@totalenvironmental.com
Date: 8-15-18
Date: 8/16/2018

DMR & Permit Expire: 30Jun2019
Sign & Return Form [] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland Springfield, MO 65807 | 2155 N Westwood Poplar Bluff, MO 63901 | 1709 Prospect Dr Macon, MO 63552 | 500 NE Colbern Rd Lee's Summit, MO 64086 | 7545 S Lindbergh Blvd St Louis, MO 63125

Data Qualifiers in the TWL Laboratory Quality Assurance System:

- B _____ present in the method blank at _____.
- C The batch control sample failed to meet the required acceptance criteria.
- D Result obtained through the analysis of a sample dilution.
- E Concentration exceeds the instrument calibration range.
- F Internal Standard area failed to meet the required acceptance criteria in repeat instrumental analyses. Results should be interpreted as estimated concentrations.
- G The Method of Standard Additions (MSA) was used to quantify the concentration. H Test performed after maximum allowable hold time. I Increased imprecision in Laboratory Control Sample (LCS) Duplicate J Estimated value. K DW sample above 10 C and received more than two hours after collection. M Analyte failed to meet the required acceptance criteria for duplicate analysis. N Relative difference between the high and low replicates was greater than 30%. P Chemical preservation discrepancy noted at the time of analysis. Q Analyte failed to meet the required acceptance criteria for spike recovery in the matrix spike (MS) and matrix duplicate (MSD). R The TRC analysis could not be performed on the sample and no other information was available T Too Numerous to Count and/or Confluent; estimated value. U Parameter was analyzed for but not detected above the reporting limit. NA Not analyzed. NR Not requested. X Miscellaneous; note comments section. S The batch control sample was within 10% of acceptance criteria



Total Water Laboratories, LLC
515 Old South 5,
Camdenton, Missouri
65065
Phone: (573) 346-3810
Fax: (573) 346-4168

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample -- Monthly Report

Facility: Three Seasons Condominiums WWTF
 Permit No: MOGD00100
 Table: A-4 Quarterly - Grab
 Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.
 Terminated Permit No: MO-0103047
 County: Camden

(Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input checked="" type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20	Due July 28 th 20 <u>18</u>	Due October 28 th 20	Due Jan 28 th 20
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
 Sample Collected By: Kirk Davis
 Telephone: 573 346 3810
 Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
 Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	4-17-18	9:11						
BOD	mg/L	20	3:20					Grab	24 hr. estimate	5210 B
TSS	mg/L	20	4:44					Grab		2540 D
pH	Units	6.0 - 9.0	7:02					Grab		4500 H + B
E. coli	#100mL	126	< 1.0					Grab		9223 B
Cl TRC	µg/L	8.0	< 130					Grab		4500 CL - G
Ammonia	mg/L	4.6	< 0.60					Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	7:30					Grab		4500 OG

Signature & Title of Individual Preparing Report: R. Brock
 Report Approved By Owner: Jamess Fleckhart Lab Analyst
 Date: 5-7-18
 Telephone: 573-346-3810
 E-mail: info@totalenvironmental.com

Sign & Return Form JMDNR/SWRO 2040 W Woodland Springfield, MO 65807
 To Office Indicated: MDNR/SERO 2155 N Westwood Poplar Bluff, MO 63901
 MDNR/KCRO 1709 Prospect Dr Macon, MO 63552
 MDNR/SLRO 500 NE Colbern Rd Lee's Summit, MO 64086
 DMR & Permit Expire_30Jun2019
 E-mail: info@totalenvironmental.com

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Three Seasons Condominiums WWTF
Permit No: MOGD00100
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0103047
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

<input checked="" type="radio"/> 1st Quarter	<input type="radio"/> 2nd Quarter	<input type="radio"/> 3rd Quarter	<input type="radio"/> 4th Quarter
January through March	April through June	July through September	October through December
Due April 28th 20 <u>18</u>	Due July 28th 20	Due October 28th 20	Due Jan 28th 20
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Kirk Davis
Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	2-08-18	8:12					Grab	24 hr. estimate
BOD	mg/L	20	3700						Grab	5210 B
TSS	mg/L	20	2.58	C					Grab	2540 D
pH	Units	6.0 - 9.0	7.18						Grab	4500 H + B
E. coli	#100mL	126	---						Grab	9223 B
Cl TRC	µg/L	8.0	---						Grab	4500 CL - G
Ammonia	mg/L	4.6	<0.60						Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	8.09						Grab	4500 OG

Signature & Title of Individual Preparing Report: Yvonne Fleckhart Lab Analyst
Report Approved By Owner: R. Davis
Telephone: 573-346-3810
E-mail: info@totalenvironmental.com
Date: 3-01-18
Date: 3/02/2018

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland Springfield, MO 65807
 2155 N Westwood Poplar Bluff, MO 63901
 1709 Prospect Dr Macon, MO 63552
 500 NE Colbern Rd Lee's Summit, MO 64086
 7545 S Lindbergh Blvd St Louis, MO 63125
 DMR & Permit Expire_30Jun2018

Data Qualifiers in the TWL Laboratory Quality Assurance System:

- B _____ present in the method blank at _____.
- C The batch control sample failed to meet the required acceptance criteria.
- D Result obtained through the analysis of a sample dilution.
- E Concentration exceeds the instrument calibration range.
- F Internal Standard area failed to meet the required acceptance criteria in repeat instrumental analyses. Results should be interpreted as estimated concentrations.
- G The Method of Standard Additions (MSA) was used to quantify the concentration. Test performed after maximum allowable hold time.
- H Increased imprecision in Laboratory Control Sample (LCS) Duplicate
- J Estimated value.
- K DW sample above 10 C and received more than two hours after collection.
- M Analyte failed to meet the required acceptance criteria for duplicate analysis.
- N Relative difference between the high and low replicates was greater than 30%.
- P Chemical preservation discrepancy noted at the time of analysis.
- Q Analyte failed to meet the required acceptance criteria for spike recovery in the matrix spike (MS) and matrix spike duplicate (MSD).
- R The TRC analysis could not be performed on the sample and no other information was available
- T Too Numerous to Count and/or Confluent; estimated value.
- U Parameter was analyzed for but not detected above the reporting limit.
- NA Not analyzed.
- NR Not requested.
- X Miscellaneous; note comments section.
- S The batch control sample was within 10% of acceptance criteria



515 Old South St,
Camdenton, Missouri
65065
Phone: (573) 346-3810
Fax: (573) 346-4168
Total Water Laboratories, LLC

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Three Seasons Condominiums WWTF

Permit No: MOGD00100

Table: A-4 Quarterly - Grab

Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.

Terminated Permit No: MO-0103047

County: Camden

(Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
January through March	April through June	July through September	October through December
Due April 28th 20	Due July 28th 20	Due October 28th 20	Due Jan 28th 20 <u>18</u>
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Kirk Davis Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date: Time:	ANALYSIS DATE	Date: Time:	ANALYSIS DATE				
Flow	GPD	Design flow 1,501 - 50K	10-10-17 1232		12-6-17 845					24 hr. estimate
BOD	mg/L	20	No Discharge		2160			Grab		5210 B
TSS	mg/L	20			4.5 - 6			Grab		2540 D
pH	Units	6.0 - 9.0			7.82			Grab		4500 H + B
E. coli	#100mL	126			-			Grab		9223 B
Cl TRC	µg/L	8.0			-			Grab		4500 CL - G
Ammonia	mg/L	4.6			40.60			Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report			5.77			Grab		4500 OG

Signature & Title of Individual Preparing Report: Mary O'Brien Technical Lab Director Date: 12-13-17 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

Report Approved By Owner: X 21569 21569 Date: DEC 20 2017 Telephone: Telephone: E-mail: E-mail:

Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO

To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd

Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

DMR & Permit Expire 30Jun201

Data Qualifiers in the TWL Laboratory Quality Assurance System:

- B _____ present in the method blank at _____.
- C The batch control sample failed to meet the required acceptance criteria.
- D Result obtained through the analysis of a sample dilution.
- E Concentration exceeds the instrument calibration range.
- F Internal Standard area failed to meet the required acceptance criteria in repeat instrumental analyses. Results should be interpreted as estimated concentrations.
- G The Method of Standard Additions (MSA) was used to quantify the concentration.
- H Test performed after maximum allowable hold time.
- I Increased imprecision in Laboratory Control Sample (LCS) Duplicate
- J Estimated value.
- K DW sample above 10 C and received more than two hours after collection.
- M Analyte failed to meet the required acceptance criteria for duplicate analysis.
- N Relative difference between the high and low replicates was greater than 30%.
- P Chemical preservation discrepancy noted at the time of analysis.
- Q Analyte failed to meet the required acceptance criteria for spike recovery in the matrix spike (MS) and matrix spike duplicate (MSD).
- R The TRC analysis could not be performed on the sample and no other information was available
- T Too Numerous to Count and/or Confluent; estimated value.
- U Parameter was analyzed for but not detected above the reporting limit.
- NA Not analyzed.
- NR Not requested.
- X Miscellaneous; note comments section.
- S The batch control sample was within 10% of acceptance criteria



Total Water Laboratories, LLC
515 Old South 5,
Camdenton, Missouri
65065
Phone:(573) 346-3810
Fax:(573) 346-4168

AUG 23 2017 16:293

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Three Seasons Condominiums WWTF
Permit No: MOGD00100
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0103047
County: Camden

(Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter	2 nd Quarter	3 rd Quarter	4 th Quarter
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20__	Due October 28 th 20 <u>17</u>	Due Jan 28 th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Kick Davis
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573 346 3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	7-26-17	12:48					Grab	24 hr. estimate
BOD	mg/L	20	4.3	2.0					Grab	5210 B
TSS	mg/L	20	< 1.5						Grab	2540 D
pH	Units	6.0 - 9.0	7.54						Grab	4500 H + B
E. coli	#100mL	126	< 1.0						Grab	9223 B
Cl TRC	µg/L	8.0	< 130						Grab	4500 CL - G
Ammonia	mg/L	4.6	< 0.60						Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	4.56						Grab	4500 OG

Signature & Title of Individual Preparing Report: [Signature]
Report Approved By Owner: [Signature]
Telephone: 573-346-3810
E-mail: info@totalenvironmental.com

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland Springfield, MO 65807 | 2155 N Westwood Poplar Bluff, MO 63901 | 1709 Prospect Dr Macon, MO 63552 | 500 NE Colbern Rd Lee's Summit, MO 64086 | 7545 S Lindbergh Blvd St Louis, MO 63125

#12714
MAY 11 2017

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample -- Monthly Report

Facility: Three Seasons Condominiums WWTF
Permit No: MOGDD00100
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0103047
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

<input type="radio"/> 1st Quarter	<input checked="" type="radio"/> 2nd Quarter	<input type="radio"/> 3rd Quarter	<input type="radio"/> 4th Quarter
January through March	April through June	July through September	October through December
Due April 28th 20	Due July 28th 20 <u>17</u>	Due October 28th 20	Due Jan 28th 20
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Kirk Davis
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573 346 3810 **Telephone:** 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	<u>4-19-17</u>							
BOD	mg/L	20	<u>9:50</u>					Grab		24 hr. estimate
TSS	mg/L	20	<u>3.35</u>					Grab		5210 B
pH	Units	6.0 - 9.0	<u>7.29</u>					Grab		2540 D
E. coli	#100mL	126	<u><1.0</u>					Grab		4500 H + B
Cl TRC	µg/L	8.0	<u><130</u>					Grab		9223 B
Ammonia	mg/L	4.6	<u><0.60</u>					Grab		4500 CL - G
Dissolved O2	mg/L	Monitor & Report	<u>4.64</u>					Grab		4500 NH - 3

Signature & Title of Individual Preparing Report: [Signature]
Report Approved By Owner: [Signature]
Signature: Theresa Floeckner Lab Analyst
Date: 5-05-17
Telephone: 573-346-3810 **E-mail:** info@totalenvironmental.com
Telephone: 573-346-3810 **E-mail:** info@totalenvironmental.com

Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO
To Office Indicated: 2040 W Woodland Springfield, MO 65807 | 2155 N Westwood Poplar Bluff, MO 63901 | 1709 Prospect Dr Macon, MO 63552 | 500 NE Colbern Rd Lee's Summit, MO 64086 | 7545 S Lindbergh Blvd St Louis, MO 63125
 DMR & Permit Expire 30Jun2019

TOTAL WATER LABORATORIES, LLC.


515 Old South Highway 5, Camdenton, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge -Quarterly Sample - Quarterly Report

Facility: West Lake Villas WWTF
Permit No: MOGD00250
Table: A-4 Quarterly - Grab
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0135411
County: Camden
Samples Received in Lab: 6-27-19 09:35
Facility Type: Bar screen / flow equalization / extended aeration / secondary clarifier / aerated sludge holding / seasonal chlorination and Dechlorination / sludge disposal by contract hauler

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

<input type="checkbox"/> 1 st Quarter - January through March Due by April 28, 2019	<input checked="" type="checkbox"/> 2 nd Quarter - April through June Due by July 28, 2019	<input type="checkbox"/> 3 rd Quarter - July through September Due by October 28, 2019	<input type="checkbox"/> 4 th Quarter - October through December Due by January 20, 2020
---	--	--	--

Outfall #	Sample Collected By:	No Discharge For Quarter	Telephone:	No Discharge For Quarter	Telephone:					
001	Bob Lassiter	<input type="checkbox"/>	573-346-3810	<input type="checkbox"/>	573-346-3810					
Parameter	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method
Flow	1501-50000	24 Hour Estimate	6-25-19 11:40	0	GPD				Completed at Sample Site	
BOD	20	Grab			mg/L					SM 5210 B
TSS	20	Grab			mg/L					SM 2540 D
E. Coli	126	Grab			#/100mL					SM 9233 B
pH	6.0-9.0	Grab			Units				Completed at Sample Site	SM 4500 H + B
Ammonia	4.6	Grab			mg/L					Hach 10205*
Cl TRC	<130	Grab			µg/L					SM 4500 CL -- G
Dissolved Oxygen	Monitor & Report	Grab			mg/L				Completed at Sample Site	SM 4500 OG
Signature & Title of Individual Preparing Report:  Amy Osborn, Technical Lab Director Report Approved By Owner: <input checked="" type="checkbox"/>										
Date: July 20, 2019						Telephone: 573-346-3810				
Date:						E-mail: info@totalenvironmental.com				

DMR Permit expires: June 30, 2019

Electronic Form Submitted **Sign & Return Form to DNR Office:**

ENTERED JUL 21 2019 MDNR/SWRO
 2040 W Woodland
 Springfield, MO 65807
 54425

LAWWA 1.17-000796

Attachments: Laboratory Report Number: 2019-0276

Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.

* Method is not accredited through NH ELAP

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camdenton, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge - Quarterly Sample - Quarterly Report

Facility: West Lake Villas WWTF
Permit No: MOGD00250
Table: A-4 Quarterly - Grab
Facility Type: Bar screen / flow equalization / extended aeration / secondary clarifier / aerated sludge holding / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0135411
County: Camden
Samples Received in Lab: 3-5-19 12:40

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

1 st Quarter - January through March Due by April 28, 2019	2 nd Quarter - April through June Due by July 28, 2019	3 rd Quarter - July through September Due by October 28, 2019	4 th Quarter - October through December Due by January 20, 2020						
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
No Discharge For Quarter <input checked="" type="checkbox"/> No Discharge For Quarter <input type="checkbox"/> No Discharge For Quarter <input type="checkbox"/> No Discharge For Quarter <input type="checkbox"/>									
Sample Collected By: <u>Bob Lassiter</u> Analysis Performed By: <u>Total Water Laboratories, LLC.</u> Telephone: <u>573-346-3810</u>									
Outfall #	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method
001	24 Hour Estimate	3-5-19 11:20	0	GPD				Completed at Sample Site	SM 5210 B
	Grab			mg/L					SM 2540 D
	Grab			mg/L					SM 9233 B
	Grab			#/100mL					SM 4500 H + B
	Grab			Units					Hach 10205*
	Grab			mg/L					SM 4500 CL - G
	Grab			µg/L					SM 4500 OG
	Grab			mg/L					
Signature & Title of Individual Preparing Report: <u>Amy Osborn</u> Amy Osborn, Technical Lab Director				Date: <u>March 20, 2019</u>		Telephone: <u>573-346-3810</u>		E-mail: <u>info@totalenvironmental.com</u>	
Report Approved By Owner: <input checked="" type="checkbox"/>				Date: <u>3/21/19</u>		Telephone:		E-mail:	

DMR Permit expires: June 30, 2019

Electronic Form Submitted
 Sign & Return Form to DNR Office:
 MDNR/SWRO
 2040 W Woodland
 Springfield, MO 65807

Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.
 *Method is not accredited through NH ELAP

Laboratory Report Number: 2019-0061

Attachments:

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample - Monthly Report

Facility: West Lake Villas WWTF **Owner:** Lake Area Wastewater Association, Inc.
Permit No: MOGD00250 **Terminated Permit No:** MO-0135411
Table: A-4 Quarterly - Grab **County:** Camden
Facility Type: Bar screen / flow equalization / extended aeration / secondary clarifier / aerated sludge holding / seasonal chlorination and Dechlorination / sludge disposal by contract hauler **Annual** 43190 / 2/2/19
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input checked="" type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20	Due July 28 th 20	Due October 28 th 20	Due Jan 28 th 20 <u>19</u>
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>
Outfall # <u>001</u> Sample Collected By: <u>Kirk Davis and Bob Davis</u> Telephone: <u>573 346 3810</u>		Analysis Performed By: <u>TOTAL WATER LABORATORIES, LLC.</u> Telephone: <u>573-346-3810</u>	

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			ANALYSIS DATE	Date: / /	ANALYSIS DATE	Date: / /			
Flow	GPD	Design flow 1,501 - 50K	Date: <u>10-17-18</u> Time: <u>10:30</u>	Date: <u>11-07-18</u> Time: <u>9:40</u>					24 hr. estimate
BOD	mg/L	20					Grab	Grab	5210 B
TSS	mg/L	20					Grab	Grab	2540 D
pH	Units	6.0 - 9.0					Grab	Grab	4500 H + B
E. coli	#100mL	126					Grab	Grab	9223 B
Cl TRC	µg/L	8.0					Grab	Grab	4500 CL - G
Ammonia	mg/L	4.6					Grab	Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report					Grab	Grab	4500 OG

Signature & Title of Individual Preparing Report: Nancy Hockett Lab Analyst Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Report Approved By Owner: DR Date: 1-04-19 Telephone: Telephone: E-mail:

LAAWA 1.17-000798 **DMR & Permit Expire** 30June2019
Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO
Go Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: West Lake Villas WWTF
Permit No: MOGD00250
Table: A-4 Quarterly - Grab
Facility Type: Bar screen / flow equalization / extended aeration / secondary clarifier / aerated sludge holding / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0135411
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input checked="" type="radio"/>	4 th Quarter <input type="radio"/>
January through March Due April 28 th 20____	April through June Due July 28 th 20____	July through September Due October 28 th 20 / 8	October through December Due Jan 28 th 20____
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>	No Discharge for Quarter <input type="radio"/>
Outfall # 001 Sample Collected By: <u>Bob Lassiter</u> Telephone: <u>573 346 3810</u>		Analysis Performed By: <u>TOTAL WATER LABORATORIES, LLC.</u> Telephone: <u>573-346-3810</u>	

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	4-16-18	1100					Grab	24 hr. estimate
BOD	mg/L	20						Grab	Grab	5210 B
TSS	mg/L	20						Grab	Grab	2540 D
pH	Units	6.0 - 9.0						Grab	Grab	4500 H + B
E. coli	#100mL	126						Grab	Grab	9223 B
ClTRC	µg/L	8.0						Grab	Grab	4500 CL - G
Ammonia	mg/L	4.6						Grab	Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report						Grab	Grab	4500 OG
Signature & Title of Individual Preparing Report: <u>Angella Technical Lab Director</u>			Date: <u>10-16-18</u>		Telephone: 573-346-3810		E-mail: info@totalenvironmental.com			
Report Approved By Owner: <u>PR</u>			Date: <u>10/17/2018</u>		Telephone:		E-mail:			

DMR & Permit Expire_30June2019
Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
So Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: West Lake Villas WWTE
Permit No: MOGD00250
Table: A-4 Quarterly - Grab
Facility Type: Bar screen / flow equalization / extended aeration / secondary clarifier / aerated sludge holding / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0135411
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input checked="" type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20 <u>18</u>	Due October 28 th 20__	Due Jan 28 th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Sample Collected By: Bob Lassiter Telephone: 573 346 3810
 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	6-11-18	11:30					Grab	24 hr. estimate
BOD	mg/L	20							Grab	5210 B
TSS	mg/L	20							Grab	2540 D
pH	Units	6.0 - 9.0							Grab	4500 H + B
E. coli	#100mL	126							Grab	9223 B
Cl TRC	µg/L	8.0							Grab	4500 CL - G
Ammonia	mg/L	4.6							Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report							Grab	4500 OG

Signature & Title of Individual Preparing Report: [Signature]
 Report Approved By Owner: [Signature]
 Date: 7-15-18
 Date: 7/19/2018
 Telephone: 573-346-3810
 Telephone:
 E-mail: info@totalenvironmental.com
 E-mail:

LWA 1.17
 DMR & Permit Expire_30June2019
Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: West Lake Villas WWTF

Permit No: MOGDD00250

Table: A-4 Quarterly - Grab

Ownership: Lake Area Wastewater Association, Inc.
 Terminated Permit No: MO-0135411
 County: Camden

(Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

<input checked="" type="radio"/> 1st Quarter January through March Due April 28 th 20 <u>18</u> No Discharge for Quarter <input checked="" type="radio"/>	<input type="radio"/> 2nd Quarter April through June Due July 28 th 20 _____ No Discharge for Quarter <input type="radio"/>	<input type="radio"/> 3rd Quarter July through September Due October 28 th 20 _____ No Discharge for Quarter <input type="radio"/>	<input type="radio"/> 4th Quarter October through December Due Jan 28 th 20 _____ No Discharge for Quarter <input type="radio"/>
Analysis Performed By: <u>Bob Casstle</u> Telephone: <u>573 346 3810</u>			

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	<u>3-21-18</u>						Grab	24 hr. estimate
BOD	mg/L	20	<u>1010</u>						Grab	5210 B
TSS	mg/L	20							Grab	2540 D
pH	Units	6.0 - 9.0							Grab	4500 H + B
E. coli	#100mL	126							Grab	9223 B
Cl TRC	µg/L	8.0							Grab	4500 CL - G
Ammonia	mg/L	4.6							Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report							Grab	4500 OG
Signature & Title of Individual Preparing Report: <u>Bob Casstle</u> Technical Lab Director										
Report Approved By Owner:			Date: <u>4-23-18</u>		Telephone: 573-346-3810		E-mail: info@totalenvironmental.com			
Report Approved By Owner:			Date: <u>4/12/2018</u>		Telephone:		E-mail:			

DMR & Permit Expire: 30 June 2019

MDNR/SWRO
 MDNR/SERO
 MDNR/NERO
 MDNR/KCRO
 MDNR/SLRO
 2040 W Woodland
 2155 N Westwood
 1709 Prospect Dr
 500 NE Colbern Rd
 7545 S Lindbergh Blvd
 Springfield, MO 65807
 Poplar Bluff, MO 63901
 Macon, MO 63552
 Lee's Summit, MO 64086
 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: West Lake Villas WWTF
Permit No: MOGD00250
Table: A-4 Quarterly - Grab
Facility Type: Bar screen / flow equalization / extended aeration / secondary clarifier / aerated sludge holding / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0135411
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input checked="" type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20__	Due October 28 th 20__	Due Jan 28 th 20__ <u>18</u>
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>
Sample Collected By: <u>Bob Lassiter</u> Telephone: <u>573 346 3810</u> Analysis Performed By: <u>TOTAL WATER LABORATORIES, LLC.</u> Telephone: <u>573-346-3810</u>			

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	10-27-17	9:40	12-8-17	10:10				24 hr. estimate
BOD	mg/L	20						Grab		5210 B
TSS	mg/L	20						Grab		2540 D
pH	Units	6.0 - 9.0						Grab		4500 H + B
E. coli	#100mL	126						Grab		9223 B
Cl TRC	µg/L	8.0						Grab		4500 CL - G
Ammonia	mg/L	4.6						Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report						Grab		4500 OG

Signature & Title of Individual Preparing Report:
[Signature]
Report Approved By Owner:
[Signature] Date: 1-08-18
[Signature] Date: 1/11/2018

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
Bo Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125
 DMR & Permit Expire_ 30June2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: West Lake Villas WWTF
Permit No: MOGD00250
Table: A-4 Quarterly - Grab
Facility Type: Bar screen / flow equalization / extended aeration / secondary clarifier / aerated sludge holding / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0135411
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input checked="" type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20__	Due October 28 th 20 <u>17</u>	Due Jan 28 th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Steve Huffman
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573 346 3810 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			ANALYSIS DATE	Date: Time:	ANALYSIS DATE	Date: Time:			
Flow	GPD	Design flow 1,501 - 50K		9-14-17 1220				Grab	24 hr. estimate
BOD	mg/L	20					Grab	Grab	5210 B
TSS	mg/L	20					Grab	Grab	2540 D
pH	Units	6.0 - 9.0					Grab	Grab	4500 H + B
E. coli	#100mL	126					Grab	Grab	9223 B
Cl TRC	µg/L	8.0					Grab	Grab	4500 CL - G
Ammonia	mg/L	4.6					Grab	Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report					Grab	Grab	4500 OG

Signature & Title of Individual Preparing Report: Steve Huffman
Signature & Title of Owner: Steve Huffman
Telephone: 573-346-3810 573-346-3810
E-mail: info@totalenvironmental.com
Date: 10-10-17
Date: 10/11/2017

DMR & Permit Expire: 30June2017
Sign & Return Form: [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland Springfield, MO 65807 2155 N Westwood Poplar Bluff, MO 63901 1709 Prospect Dr Macon, MO 63552 500 NE Colbern Rd Lee's Summit, MO 64086 7545 S Lindbergh Blvd St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: West Lake Villas WWTF
Permit No: MOGD00250
Table: A-4 Quarterly - Grab
Facility Type: Bar screen / flow equalization / extended aeration / secondary clarifier / aerated sludge holding / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0135411
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

<input type="radio"/> 1st Quarter	<input type="radio"/> 2nd Quarter	<input checked="" type="radio"/> 3rd Quarter	<input type="radio"/> 4th Quarter
January through March	April through June	July through September	October through December
Due April 28th 20____	Due July 28th 20____	Due October 28th 20 <u>17</u>	Due Jan 28th 20____
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Mej G-55
Telephone: 573 346 3810
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			ANALYSIS DATE	Date: Time:	ANALYSIS DATE	Date: Time:			
Flow	GPD	Design flow 1,501 - 50K		Date: 4-25-17 Time: 11:53				Grab	24 hr. estimate
BOD	mg/L	20						Grab	5210 B
TSS	mg/L	20						Grab	2540 D
pH	Units	6.0 - 9.0						Grab	4500 H + B
E. coli	#100mL	126						Grab	9223 B
Cl TRC	µg/L	8.0						Grab	4500 CL - G
Ammonia	mg/L	4.6						Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report						Grab	4500 OG

Signature & Title of Individual Preparing Report:
My other Technical Lab Director
Report Approved By Owner:
[Signature]
Telephone: 573-346-3810
E-mail: info@totalenvironmental.com
Date: 10-11-17
Telephone:
E-mail:

DMR & Permit Expire_30June2017!
Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

JUL 24 2017

#15251

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample - Monthly Report

Facility: West Lake Villas WWTF
 Permit No: MOGD00250
 Table: A-4 Quarterly - Grab
 Facility Type: Bar screen / flow equalization / extended aeration / secondary clarifier / aerated sludge holding / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
 Owner: Lake Area Wastewater Association, Inc.
 Terminated Permit No: MO-0135411
 County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input checked="" type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20 <u>17</u>	Due October 28 th 20__	Due Jan 28 th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Bob Lassiter Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	Date: <u>6-18-17</u>							24 hr. estimate
BOD	mg/L	20	Time: <u>12:40</u>					Grab		5210 B
TSS	mg/L	20						Grab		2540 D
pH	Units	6.0 - 9.0						Grab		4500 H + B
E. coli	#100mL	126						Grab		9223 B
Cl TRC	µg/L	8.0						Grab		4500 CL - G
Ammonia	mg/L	4.6						Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report						Grab		4500 OG

Signature & Title of Individual Preparing Report: [Signature] Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Report Approved By Owner: [Signature] Telephone: Telephone: E-mail: E-mail:

DMR & Permit Expire 30June2019
 Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO
 To Office Indicated: Springfield, MO 65807 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camdenon, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge - Quarterly Sample - Quarterly Report

Facility: Whispering Streams Subdivision WWTF
 Permit No: MO-0128503
 Facility Type: Septic tanks / recirculating sand filter / year round chlorination and dechlorination / sludge disposal by contract hauler
 Owner: Lake Area Wastewater Association, Inc.
 County: Miller
 Samples Received in Lab:
 4-19-19 10:45
 4-30-19 13:10

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

1 st Quarter - January through March Due by April 28, 2019	2 nd Quarter - April through June Due by July 28, 2019	3 rd Quarter - July through September Due by October 28, 2019	4 th Quarter - October through December Due by January 20, 2020
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No Discharge For Quarter <input type="checkbox"/>	No Discharge For Quarter <input type="checkbox"/>	No Discharge For Quarter <input type="checkbox"/>	No Discharge For Quarter <input type="checkbox"/>

Outfall #	Sample Collected By:	Telephone:	Analysis Performed By:	Telephone:						
001	Bob Lassiter	573-346-3810	Total Water Laboratories, LLC.	573-346-3810						
Parameter	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method
Flow	18038 Design 3400 Actual	24 Hour Estimate	4-19-19 08:50	2400	GPD				Completed at Sample Site	
BOD	10	Grab	4-19-19 08:50	<2.0	mg/L	4-19-19 10:45 4-24-19 08:00	VF			SM 5210 B
TSS	15	Grab	4-19-19 08:50	2.7	mg/L	4-22-19	DG			SM 2540 D
E. Coli	126	Grab	4-19-19 08:50	<1.0	#/100mL	4-19-19 11:05 4-20-19 11:33	VF, AO			SM 9233 B
pH	6.5-9.0	Grab	4-19-19 08:50	7.85	Units				Completed at Sample Site	SM 4500 H + B
Ammonia	Monitor & Report	Grab	4-19-19 08:50	0.62	mg/L	4-27-19	AO			Hach 10205*
Cl TRC	<130	Grab	4-19-19 08:50	<130	µg/L				Completed at Sample Site	SM 4500 CL - G
Dissolved Oxygen	Monitor & Report	Grab	4-19-19 08:50	7.81	mg/L				Completed at Sample Site	SM 4500 OG
Total Nitrate	Monitor & Report	Grab	4-30-19 12:40	23.0	mg/L				See PDC Labs Attachment	EPA 300.0

Signature & Title of Individual Preparing Report:
Amy Osborn
Amy Osborn, Technical Lab Director
 Report Approved By Owner:
 Telephone: 573-346-3810
 E-mail: info@totalenvironmental.com

DMR Permit expires: December 31, 2020
 Laboratory Report Number: 2019-0173
 Attachments:
 PDC Labs (4 pages)

Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.
 *Method is not accredited through NH ELAP.

ENTERED MAY 29 2019/DNR/SWRO
 2040 W Woodland
 Springfield, MO 65807

51161



May 03, 2019

Kelly Goss
Total Environmental
PO Box 510
Osage Beach, MO 65065

Dear Kelly Goss:

Please find enclosed the analytical results for the sample(s) the laboratory received on 5/1/19 10:05 am and logged in under work order 9050035. All testing is performed according to our current TNI certifications unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories, Inc.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

PDC Laboratories, Inc. appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant with any feedback you have about your experience with our laboratory.

Sincerely,

Janet Clutters
Project Manager
(309) 692-9688 x1743
jclutters@pdcclab.com





PDC Laboratories, Inc.
2231 West Altonfer Drive
Peoria, IL 61615
(800) 752-6651

ANALYTICAL RESULTS

Sample: 9050035-01
Name: Whispering Streams
Matrix: Waste Water - Grab

Sampled: 04/29/19 12:40
Received: 05/01/19 10:05

Parameter	Result	Unit	Qualifier	Prepared	Analyzed	Analyst	Method
-----------	--------	------	-----------	----------	----------	---------	--------

Anions - STL

Nitrate-N	23	mg/L		05/01/19 10:17	05/01/19 10:17	SCI	EPA 300.0
Nitrite-N	< 0.50	mg/L		05/01/19 10:17	05/01/19 10:17	SCI	EPA 300.0



PDC Laboratories, Inc.
2231 West Alton Drive
Peoria, IL 61615
(800) 752-6651

NOTES

Specific method revisions used for analysis are available upon request.

Certifications

CHI - McHenry, IL
TNI Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100279
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL
TNI Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Missouri Department of Natural Resources Certificate of Approval for Microbiological Laboratory Service No. 870
Drinking Water Certifications: Iowa (240); Kansas (E-10338); Missouri (870)
Wastewater Certifications: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPL - Springfield, IL
NELAP/NEELAC accreditation through the Illinois EPA, PAS IL 100323

SPMO - Springfield, MO
USEPA DMR-QA Program

STL - St. Louis, MO
TNI Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS Lab No. E-10389
Accreditation of Laboratories for Wastewater, Hazardous, and Solid Waste Analysis through IL EPA No. 200080
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 171050
Drinking Water Certifications: Missouri (1050)
Missouri Department of Natural Resources
* Not a TNI accredited analyte

Janet Clutters

Certified by: Janet Clutters, Project Manager





PDC Laboratories, Inc. - St. Louis
 3278 N. Highway 67 (Lindbergh)
 Florissant, MO 63033

www.pdcclab.com

CHAIN OF CUSTODY RECORD

Phone (314) 432-0550 or (314) 921-4488
 Fax (314) 432-4977

State where samples collected _____

(Instructions/Sample Acceptance Policy on Reverse)

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT Total Environmental ADDRESS P.O. Box 510 CITY STATE ZIP Osage Beach, MO 65066 CONTACT PERSON 573-346-3810 Fax 573-346-4168		PROJECT NUMBER P.O. NUMBER MEANS SHIPPED PHONE NUMBER FAX NUMBER EMAIL ADDRESS SAMPLER Bob Lassiter SAMPLER'S SIGNATURE 		3 ANALYSIS REQUESTED TOTAL NITRA3		4 (FOR LAB USE ONLY) LOGGED BY: LAB PROJ. # TEMPLATE: PROJ. MGR.: REMARKS	
2 SAMPLE DESCRIPTION AS YOU WANT ON REPORT WHISPERING STREAMS		DATE COLLECTED 4-29-19 12:40		MATRIX TYPE ww		MATRIX COUNT 1	
6 TURNAROUND TIME (RUSH FEE IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) Fasttrak (3 Bus. Days) Same Day DATE DUE _____		7 RELINQUISHED BY (SIGNATURE) Bob Lassiter DATE 4-29-19 1:10		8 COMMENTS (FOR LAB USE ONLY) SAMPLE TEMPERATURE UPON RECEIPT CHILL PROCESS STARTED PRIOR TO RECEIPT SAMPLE(S) RECEIVED ON ICE PROPER BOTTLES RECEIVED IN GOOD CONDITION BOTTLES FILLED WITH ADEQUATE VOLUME SAMPLE(S) RECEIVED WITHIN HOLD TIME(S) (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE 6.4 °C Y OR N Y OR N Y OR N Y OR N		RECEIVED BY: RECEIVED BY: <i>Edell Clark</i> RECEIVED BY: RECEIVED BY:	

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camdenon, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge -Quarterly Sample - Quarterly Report

Owner: Lake Area Wastewater Association, Inc.

County: Miller

Facility: Whispering Streams Subdivision WWTF
Permit No: MO-0128503
Facility Type: Septic tanks / recirculating sand filter / year round chlorination and dechlorination / sludge disposal by contract hauler

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

1 st Quarter - January through March Due by April 28, 2019		2 nd Quarter - April through June Due by July 28, 2019		3 rd Quarter - July through September Due by October 28, 2019		4 th Quarter - October through December Due by January 20, 2020				
<input checked="" type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>				
No Discharge For Quarter		No Discharge For Quarter		No Discharge For Quarter		No Discharge For Quarter				
Sample Collected By: Bob Lassiter		Telephone: 573-346-3810		Analysis Performed By: Total Water Laboratories, LLC.		Telephone: 573-346-3810				
Parameter	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method
Flow	18038 Design 3400 Actual	24 Hour Estimate	2-6-19 08:40	1872	GPD				Completed at Sample Site	
BOD	10	Grab	2-6-19 08:40	5.33	mg/L	2-7-19 07:10 2-12-19 08:20	VF	C, N	See Page 2	SM 5210 B
TSS	15	Grab	2-6-19 08:40	<1.5	mg/L	2-7-19	DG	C	See Page 2	SM 2540 D
E. Coli	126	Grab	2-6-19 08:40	<1.0	#/100mL	2-6-19 12:40 2-7-19 12:47	VF		Completed at Sample Site	SM 9233 B
pH	6.5-9.0	Grab	2-6-19 08:40	7.54	Units				Completed at Sample Site	SM 4500 H + B
Ammonia	Monitor & Report	Grab	2-6-19 08:40	<0.60	mg/L	2-19-19	AO	Q	See Page 2	Hach 10205*
Cl TRC	<130	Grab	2-6-19 08:40	<130	µg/L				Completed at Sample Site	SM 4500 CL - G
Dissolved Oxygen	Monitor & Report	Grab	2-6-19 08:40	9.54	mg/L				Completed at Sample Site	SM 4500 OG
Total Nitrate	Monitor & Report	Grab	2-6-19 08:40	27	mg/L			OI	See PDC Labs Attachment	EPA 300.0
Signature & Title of Individual Preparing Report: <i>Amy Osborn</i>										
Amy Osborn, Technical Lab Director				Date: February 25, 2019		Telephone: 573-346-3810		E-mail: info@totalenvironmental.com		
Report Approved By Owner: <input checked="" type="checkbox"/>				Date: 2/28/2019		Telephone:		E-mail:		

DMR Permit expires: December 31, 2020
Laboratory Report Number: 2019-0029

Electronic Form Submitted
 Sign & Return Form to DNR Office:

MDNR/SWRO
2040 W Woodland
Springfield, MO 65807

Attachments:
PDC Labs (4 Pages)

Total Water Laboratories, LLC is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.
*Method is not accredited through NH ELAP



PDC Laboratories, Inc.

PROFESSIONAL • DEPENDABLE • COMMITTED

February 08, 2019

Kelly Goss
Total Environmental
PO Box 510
Osage Beach, MO 65065

Dear Kelly Goss:

Please find enclosed the analytical results for the sample(s) the laboratory received on **2/7/19 11:10 am** and logged in under work order **9021300**. All testing is performed according to our current TNI certifications unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories, Inc.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

PDC Laboratories, Inc. appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant with any feedback you have about your experience with our laboratory.

Sincerely,

Janet Clutters
Project Manager
(309) 692-9688 x1743
jclutters@pdclab.com





PDC Laboratories, Inc.

2231 West Altorfer Drive

Peoria, IL 61615

(800) 752-6651

ANALYTICAL RESULTS

Sample: 9021300-01
Name: Whispering Streams
Matrix: Waste Water - Grab

Sampled: 02/06/19 08:40
Received: 02/07/19 11:10

Parameter	Result	Unit	Qualifier	Prepared	Analyzed	Analyst	Method
Anions - STL							
Nitrate-N	27	mg/L	Q1	02/07/19 14:00	02/07/19 14:41	SCI	EPA 300.0



PDC Laboratories, Inc.
2231 West Altonfer Drive
Peoria, IL 61615
(800) 752-6651

NOTES

Specific method revisions used for analysis are available upon request.

Certifications

CHI - McHenry, IL
TNI Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100279
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL
TNI Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Missouri Department of Natural Resources Certificate of Approval for Microbiological Laboratory Service No. 870
Drinking Water Certifications: Iowa (240); Kansas (E-10338); Missouri (870)
Wastewater Certifications: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPIL - Springfield, IL
NELAP/NELAC accreditation through the Illinois EPA, PAS IL 100323

SPMO - Springfield, MO
USEPA DMR-QA Program

STL - St. Louis, MO
TNI Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS Lab No. E-10389
Accreditation of Laboratories for Wastewater, Hazardous, and Solid Waste Analysis through IL EPA No. 200080
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 171050
Drinking Water Certifications: Missouri (1050)
Missouri Department of Natural Resources
* Not a TNI accredited analyte

Qualifiers

Q1 Matrix Spike failed % Recovery

Certified by: Janet Clutters, Project Manager





PDC Laboratories, Inc. - St. Louis
 3278 N. Highway 67 (Lindbergh)
 Florissant, MO 63033
 www.pdc-lab.com

CHAIN OF CUSTODY RECORD
 Phone (314) 432-0550 or (314) 921-4488
 Fax (314) 432-4977

State where samples collected _____
 (Instructions/Sample Acceptance Policy on Reverse)

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT: Total Environmental ADDRESS: P.O. Box 510 CITY: Osage Beach, MO STATE: MO ZIP: 64074 CONTACT PERSON: Bob Lassiter 573-346-3810 Fax 573-346-4168		2 SAMPLE DESCRIPTION: AS YOU WANT ON REPORT WHISPERING STREAMS		3 ANALYSIS REQUESTED: TOTAL NITRATE		(FOR LAB USE ONLY) LOGIN # 9021500 LOGGED BY: LAB PROJ # TEMPLATE: PROJ MGR.:		REMARKS
PROJECT NUMBER: _____ PHONE NUMBER: _____ P.O. NUMBER: _____ FAX NUMBER: _____ MEANS SHIPPED: _____ EMAIL ADDRESS: _____ MATRIX TYPES: WW-WASTEWATER DW-DRINKING WATER GW-GROUND WATER WWSL-SLUDGE MS-SOLID WASTE NAL-NOVAQUEOUS BSL-BOILS		DATE COLLECTED: 2-6-19 TIME COLLECTED: 8:40 SAMPLE TYPE: WW MATRIX TYPE: _____ MATRIX: _____ COUNT: 1		ANALYSIS REQUESTED:		(FOR LAB USE ONLY)		
5 TURNAROUND TIME (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL (8-10 Bus. Days) RUSH (5 Bus. Days) FastTrack (3 Bus. Days) 1-2 Bus. Days Same Day DATE DUE: _____		6 THE SAMPLE TEMPERATURE WILL BE MEASURED UPON RECEIPT AT THE LAB. BY INITIATING THIS AREA, YOU REQUEST THAT THE LAB NOTIFY YOU, BEFORE PROCEEDING WITH ANALYSIS, IF THE SAMPLE TEMPERATURE IS OUTSIDE OF THE RANGE OF 0.1-6.0°C. BY NOT INITIATING THIS AREA, YOU ALLOW THE LAB TO PROCEED WITH ANALYTICAL TESTING REGARDLESS OF THE SAMPLE TEMPERATURE.		8 COMMENTS (FOR LAB USE ONLY)		(FOR LAB USE ONLY)		REMARKS
7 RELINQUISHED BY (SIGNATURE): RECEIVED BY (SIGNATURE): DATE: 2-6-19 TIME: 12:35 DATE: 2-7-19 TIME: 11:15 RECEIVED BY: G.M. Cleah DATE: 2-7-19 TIME: 11:15		RECEIVED BY: DATE: _____ TIME: _____ RECEIVED BY: DATE: _____ TIME: _____		RECEIVED BY: DATE: _____ TIME: _____ RECEIVED BY: DATE: _____ TIME: _____		SAMPLE TEMPERATURE UPON RECEIPT: CHILL PROCESS STARTED PRIOR TO RECEIPT: SAMPLE(S) RECEIVED ON ICE: PROPER BOTTLES RECEIVED IN GOOD CONDITION: BOTTLES FILLED WITH ADEQUATE VOLUME: SAMPLES RECEIVED WITHIN HOLD TIME(S): (EXCLUDES TYPICAL FIELD PARAMETERS) DATE AND TIME TAKEN FROM SAMPLE BOTTLE		

Thank you for using PDC Laboratories, Inc. Locations in Peoria, IL; St. Louis, MO; and Springfield, MO

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge - Quarterly Sample - Quarterly Report

Facility: Whispering Streams Subdivision WWTF
Permit No.: MO0128503
Facility Type: Septic tanks / recirculating sand filter / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
County: Camden
 (Last permit review: 06 July 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.
 1st Quarter - January through March Due by April 28th 20
 2nd Quarter - April through June Due by July 28th 20
 3rd Quarter - July through September Due by October 28 20
 4th Quarter - October through December Due by January 28th 20

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	18,038 Design 3,400 Actual	10-11-18	8:05						24 hr. estimate
BOD	mg/L	10	1910						Grab	5210 B
TSS	mg/L	15	< 2.0						Grab	2540 D
pH	Units	6.5 - 9.0	7.65						Grab	4500 H + B
E. coli	#100mL	Monitor & Report (126)	-						Grab	9223 B
Cl TRC	µg/L	<130	<130						Grab	4500 CL - G
Ammonia	mg/L	Monitor & Report	< 0.60						Grab	4500 NH - 3
Nitrate, Total (as NO ₃)	mg/L	Monitor & Report	11						Grab	4500-NO3,D
Dissolved O	mg/L	Monitor & Report	8.45						Grab	4500 OG

Signature & Title of Individual Preparing Report: _____
Report Approved By Owner: Vanessa Fleckhart Lab Analyst
Date: 11-19-18
Telephone: 573-346-3810
E-mail: info@totalenvironmental.com

ENTERED NOV 21 2018 3 42 66
Sign & Return Form To Office Indicated:
 [] MDNR/SWRO 2040 W Woodland Springfield, MO 65807
 [] MDNR/SERO 2155 N Westwood Poplar Bluff, MO 63901
 [] MDNR/NERO 1709 Prospect Dr Macon, MO 63552
 [] MDNR/KCRO 500 NE Colbern Rd Lee's Summit, MO 64086
 [] MDNR/SLRO 7545 S Lindbergh Blvd St Louis, MO 63125

Nitrate-N
Anions - STL

11 mg/L 10/12/18 08:35 10/12/18 14:24 SCI EPA 300.0

Parameter	Result	Unit	Qualifier	Prepared	Analyzed	Analyst	Method
-----------	--------	------	-----------	----------	----------	---------	--------

Sample: 8102763-01
 Name: Whispering Streams
 Matrix: Waste Water - Grab

Sampled: 10/11/18 08:05
 Received: 10/12/18 11:00

ANALYTICAL RESULTS



PDC Laboratories, Inc.
 3278 North Highway 67
 Florissant, MO 63033
 (800) 333-3278

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge -Quarterly Sample – Quarterly Report

Facility: Whispering Streams Subdivision WWTF
Permit No: MO0128503
Facility Type: Septic tanks / recirculating sand filter / seasonal chlorination and Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.
County: Camden

(Last permit review: 06 July 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

1 st Quarter – January through March Due by April 28 th 20	2 nd Quarter – April through June Due by July 28 th 20	3 rd Quarter – July through September Due by October 28 th 20	4 th Quarter – October through December Due by January 28 th 20
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
No Discharge For Quarter <input type="checkbox"/>	No Discharge For Quarter <input type="checkbox"/>	No Discharge For Quarter <input type="checkbox"/>	No Discharge For Quarter <input type="checkbox"/>
Sample Collected By: <u>Bob LaSalle</u>	Telephone: <u>573 346 3810</u>	Analysis Performed By: <u>TOTAL WATER LABORATORIES, LLC.</u>	Telephone: <u>573-346-3810</u>

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date: Time:	ANALYSIS DATE	Date: Time:	ANALYSIS DATE				
Flow	GPD	18,038 Design 3,400 Actual	Date: 7-27-18 Time: 7:50		Date: 7-31-18 Time: 6:30					
BOD	mg/L	10	1027					Grab		24 hr. estimate
TSS	mg/L	15	1.6					Grab		5210 B
pH	Units	6.5 – 9.0	7.88					Grab		2540 D
E. coli	#100mL	Monitor & Report (126)	<1.0					Grab		4500 H + B
Cl TRC	µg/L	<130	<130					Grab		9223 B
Ammonia	mg/L	Monitor & Report	<0.60					Grab		4500 CL – G
Nitrate, Total (as NO3)	mg/L	Monitor & Report	2.8					Grab		4500 NH – 3
Dissolved O	mg/L	Monitor & Report	7.64					Grab		4500-NO3,D
Signature & Title of Individual Preparing Report: <u>Louy Osher</u> Technical Lab Director										
Report Approved By Owner: <u>35280</u> <u>SEP 21 2018</u>										
Telephone: <u>573-346-3810</u> E-mail: <u>info@totalenvironmental.com</u>										

DMR & Permit expire 31 December 2020

Signature & Title of Individual Preparing Report: VP Date: 9-10-18

Report Approved By Owner: 35280 Date: 9/11/2018

Sign & Return Form [] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO

2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd

Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

page 1 of 2

Nitrate-N

Anions - STL

Parameter	Result	Unit	Qualifier	Prepared	Analyzed	Analyst	Method
	28	mg/L		08/01/18 15:32	08/01/18 18:40	SCI	EPA 300.0

Sample: 8080173-01
 Name: Whispering Streams
 Matrix: Waste Water - Grab

Sampled: 07/31/18 10:30
 Received: 08/01/18 11:00

ANALYTICAL RESULTS



LAWWA 1.17-000819

PDC Laboratories, Inc.
 3278 North Highway 67
 Florissant, MO 63033
 (800) 333-3278

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge -Quarterly Sample - Quarterly Report

Facility: Whispering Streams Subdivision WWTF
Permit No.: MO0128503
Facility Type: Septic tanks / recirculating sand filter / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
County: Camden
 (Last permit review: 06 July 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.
 1st Quarter - January through March Due by April 28th 20
 2nd Quarter - April through June Due by July 28th 20
 3rd Quarter - July through September Due by October 28th 20
 4th Quarter - October through December Due by January 28th 20

No Discharge For Quarter Telephone: 573 346 3810
 Sample Collected By: Kirk Davis
 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	18,038 Design 3,400 Actual	8-30-18	6:02					Grab	24 hr. estimate
BOD	mg/L	10	< 2.0	- C					Grab	5210 B
TSS	mg/L	15							Grab	2540 D
pH	Units	6.5 - 9.0							Grab	4500 H + B
E. coli	#100mL	Monitor & Report (126)							Grab	9223 B
Cl TRC	µg/L	<130							Grab	4500 CL - G
Ammonia	mg/L	Monitor & Report							Grab	4500 NH - 3
Nitrate, Total (as NO3)	mg/L	Monitor & Report							Grab	4500-NO3,D
Dissolved O	mg/L	Monitor & Report							Grab	4500 OG

Signature & Title of Individual Preparing Report: _____ Date: 9-10-18
Report Approved By Owner: Nanassa Blackhat Lab Analyst Date: 9/11/2018
 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

DMR & Permit expire 31 December 2020
Sign & Return Form [] MDNR/SWRO 2040 W Woodland Springfield, MO 65807
 [] MDNR/SERO 2155 N Westwood Poplar Bluff, MO 63901
 [] MDNR/NERO 1709 Prospect Dr Macon, MO 63552
 [] MDNR/KCRO 500 NE Colbern Rd Lee's Summit, MO 64086
 [] MDNR/SLRO 7545 S Lindbergh Blvd St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge -Quarterly Sample - Quarterly Report

Facility: Whispering Streams Subdivision WWTF
Permit No: MO0128503
Facility Type: Septic tanks / recirculating sand filter / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
County: Camden
 (Last permit review: 06 July 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

1 st Quarter - January through March Due by April 28 th 20___	2 nd Quarter - April through June Due by July 28 th 20 <u>18</u>	3 rd Quarter - July through September Due by October 28 20___	4 th Quarter - October through December Due by January 28 th 20___
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

No Discharge For Quarter **No Discharge For Quarter** **No Discharge For Quarter** **No Discharge For Quarter**
 Sample Collected By: Bob Lassiter Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	18,038 Design 3,400 Actual								24 hr. estimate
BOD	mg/L	10						Grab		5210 B
TSS	mg/L	15						Grab		2540 D
pH	Units	6.5 - 9.0						Grab		4500 H + B
E. coli	#100mL	Monitor & Report (126)						Grab		9223 B
Cl TRC	µg/L	<130						Grab		4500 CL - G
Ammonia	mg/L	Monitor & Report						Grab		4500 NH - 3
Nitrate, Total (as NO3)	mg/L	Monitor & Report						Grab		4500-NO3,D
Dissolved O	mg/L	Monitor & Report								4500 OG

Signature & Title of Individual Preparing Report: _____
Report Approved By Owner: Robert Lassiter Lab Analysis # 30204 Date: 5-31-18
 JUN 14 2018
 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Telephone: _____ E-mail: _____

DMR & Permit expire_31 December 2020

Sign & Return Form [] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

Nitrate-N

Anions - STL

16 mg/L H 05/17/18 17:34 05/17/18 18:21 SCI EPA 300.0

Parameter	Result	Unit	Qualifier	Prepared	Analyzed	Analyst	Method
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Sample: 8052948-01
 Name: Whispering Streams
 Matrix: Waste Water - Grab

Sampled: 05/15/18 08:45
 Received: 05/16/18 09:40

ANALYTICAL RESULTS



PDC Laboratories, Inc.
 3278 North Highway 67
 Florissant, MO 63033
 (800) 333-3278



PDC Laboratories, Inc.
3278 North Highway 67
Floissant, MO 63033
(800) 333-3278

NOTES

Specific method revisions used for analysis are available upon request.

Certifications

CHI - McHenry, IL
TNI Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100279
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL
TNI Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 17553
Wastewater Certifications: Arkansas (88-0677); Iowa (240); Kansas (E-10338)
Hazardous/Solid Waste Certifications: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO
USEPA DMR-QA Program

STL - St. Louis, MO
TNI Accreditation for Wastewater, Hazardous and Solid Wastes Fields of Testing through KS Lab No. E-10389
Illinois Department of Public Health Bacteriological Analysis in Drinking Water Approved Laboratory Registry No. 171050
Drinking Water Certifications: Missouri (1050)
Missouri Department of Natural Resources

* Not a TNI accredited analyte

Qualifiers

H Test performed after the expiration of the appropriate regulatory/advisory maximum allowable hold time.

Janet Clutters

Certified by: Janet Clutters For Paul J Smith, Sr. Project Manager



TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge -Quarterly Sample - Quarterly Report

Facility: Whispering Streams Subdivision WWTF
Permit No: MO0128503
Facility Type: Septic tanks / recirculating sand filter / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
County: Camden
 (Last permit review: 06 July 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.
 1st Quarter - January through March Due by April 28th 20 18
 2nd Quarter - April through June Due by July 28th 20 _____
 3rd Quarter - July through September Due by October 28th 20 _____
 4th Quarter - October through December Due by January 28th 20 _____

No Discharge For Quarter No Discharge For Quarter No Discharge For Quarter No Discharge For Quarter
 Sample Collected By: Steve Hufstman Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810 Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	18,038 Design 3,400 Actual	<u>370-18</u>	<u>1050</u>						
BOD	mg/L	10	<u>3.88</u>	<u>- C</u>				Grab		24 hr. estimate
TSS	mg/L	15	<u>3.3</u>					Grab		5210 B
pH	Units	6.5 - 9.0	<u>7.12</u>					Grab		2540 D
E. coli	#100mL	Monitor & Report (126)	<u>1.0</u>					Grab		4500 H + B
Cl TRC	µg/L	<130	<u>130</u>					Grab		9223 B
Ammonia	mg/L	Monitor & Report	<u>1.60</u>					Grab		4500 CL - G
Nitrate, Total (as NO ₃)	mg/L	Monitor & Report	<u>2.1</u>					Grab		4500 NH - 3
Dissolved O	mg/L	Monitor & Report	<u>6.88</u>					Grab		4500-NO ₃ ,D
Signature & Title of Individual Preparing Report: <u>Ray Miller Technical Lab Director</u> Date: <u>4-03-18</u> Report Approved By Owner: <u>R. Hufstman</u> Telephone: <u>573-346-3810</u> E-mail: <u>info@totalenvironmental.com</u>										

Signature & Title of Individual Preparing Report: _____ Date: 4/12/2018
 Report Approved By Owner: _____ Telephone: _____ E-mail: _____
 DMR & Permit expire 31 December 2020

Sign & Return Form [] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

Nitrate-N
Antions - STL

21 mg/L

03/21/18 13:21 03/21/18 15:11 SCI EPA 300.0

Parameter	Result	Unit	Qualifier	Prepared	Analyzed	Analyst	Method
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Sample: 8033481-01
Name: Whispering Streams
Matrix: Waste Water - Grab

Sampled: 03/20/18 10:50
Received: 03/21/18 09:45

ANALYTICAL RESULTS



LAWWA 1.17-000825

PDC Laboratories, Inc.
3278 North Highway 67
Florissant, MO 63033
(800) 333-3278

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge -Quarterly Sample -- Quarterly Report

Facility: Whispering Streams Subdivision WWTF
Permit No: MO0128503
Facility Type: Septic tanks / recirculating sand filter / seasonal chlorination and Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.
County: Camden

(Last permit review: 06 July 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

1 st Quarter - January through March Due by April 28 th 20 <input type="checkbox"/>	2 nd Quarter - April through June Due by July 28 th 20 <input type="checkbox"/>	3 rd Quarter - July through September Due by October 28 20 <input type="checkbox"/>	4 th Quarter - October through December Due by January 28 th 20 / 8 <input checked="" type="checkbox"/>
No Discharge For Quarter <input type="checkbox"/> Sample Collected By: <u>Steve Hoffman</u>		No Discharge For Quarter <input type="checkbox"/> Analysis Performed By: <u>TOTAL WATER LABORATORIES, LLC.</u>	
Telephone: <u>573 346 3810</u>		Telephone: <u>573-346-3810</u>	

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	18,038 Design 3,400 Actual	Date: <u>12-17</u>							24 hr. estimate
BOD	mg/L	10		<u>3.48</u>				Grab		5210 B
TSS	mg/L	15		<u>2.4 - C</u>				Grab		2540 D
pH	Units	6.5 - 9.0		<u>7.56</u>				Grab		4500 H + B
E. coli	#100mL	Monitor & Report (126)		<u>21.0</u>				Grab		9223 B
Cl TRC	µg/L	<130		<u>200</u>				Grab		4500 CL - G
Ammonia	mg/L	Monitor & Report		<u>2.60</u>				Grab		4500 NH - 3
Nitrate, Total (as NO3)	mg/L	Monitor & Report		<u>24</u>				Grab		4500-NO3_D
Dissolved O	mg/L	Monitor & Report		<u>7.93</u>				Grab		4500 OG

Signature & Title of Individual Preparing Report: [Signature] Technical Lab Director
 Report Approved By Owner: [Signature]
 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

DMR & Permit expire 31 December 2020

Sign & Return Form [] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

27843

Anions - STL

Nitrate-N

24 mg/L

12/07/17 19:11

KLM

EPA 300.0*

Parameter

Result

Unit

Qualifier

Analyzed

Analyst

Method

Sample: 7121372-01

Name: Whispering Streams

Matrix: Waste Water - Grab

Sampled: 12/06/17 11:01

Received: 12/07/17 11:30

ANALYTICAL RESULTS



LAWWA 1.17-000827

PDC Laboratories, Inc.
3278 North Highway 67
Florissant, MO 63033
(800) 333-3278

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge -Quarterly Sample - Quarterly Report

Facility: Whisping Streams Subdivision WWTF
Permit No: MO0128503
Facility Type: Septic tanks / recirculating sand filter / seasonal chlorination and Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
County: Camden
 (Last permit review: 06 July 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.
 1st Quarter - January through March Due by April 28th 20
 2nd Quarter - April through June Due by July 28th 20
 3rd Quarter - July through September Due by October 28th 20
 4th Quarter - October through December Due by January 28th 20

Outfall # 001
 No Discharge For Quarter Telephone: 573 346 3810
 No Discharge For Quarter Telephone: 573-346-3810
 Analysis Performed By: TOTAL WATER LABORATORIES, LLC.

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	18,038 Design 3,400 Actual	9-25-17	10/18						24 hr. estimate
BOD	mg/L	10	2.92 - C,H					Grab		5210 B
TSS	mg/L	15	<1.5 - C					Grab		2540 D
pH	Units	6.5 - 9.0	7.80					Grab		4500 H + B
E. coli	#100mL	Monitor & Report (126)	<1.0 - M					Grab		9223 B
Cl TRC	µg/L	<130	<130					Grab		4500 CL - G
Ammonia	mg/L	Monitor & Report	<0.60					Grab		4500 NH - 3
Nitrate, Total (as NO3)	mg/L	Monitor & Report	2.5					Grab		4500-NO3,D
Dissolved O	mg/L	Monitor & Report	6.69							4500 OG

Signature & Title of Individual Preparing Report: *Amy Allen* Technical Lab Director
Report Approved By Owner: *R. Brad*
 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Telephone: 10-11-17 Date: 10/13/2017

DMR & Permit expire 31 December 2020
Sign & Return Form To Office Indicated:
 MDNR/SWRO 2040 W Woodland Springfield, MO 65807
 MDNR/SERO 2155 N Westwood Poplar Bluff, MO 63901
 MDNR/NERO 1709 Prospect Dr Macon, MO 63552
 MDNR/KCRO 500 NE Colbern Rd Lee's Summit, MO 64086
 MDNR/SLRO 7545 S Lindbergh Blvd St Louis, MO 63125

Nitrate-N
Anions - STL

25 mg/L 09/26/17 04:13 SCI EPA 300.0*

Parameter	Result	Unit	Qualifier	Analyzed	Analyst	Method
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Sample: 7094219-01
Name: Whispering Streams
Matrix: Waste Water - Grab

Sampled: 09/25/17 10:18
Received: 09/26/17 11:00

ANALYTICAL RESULTS



LAWWA 1.17-000829

PDC Laboratories, Inc.
3278 North Highway 67
Florissant, MO 63033
(800) 333-3278

Nitrate-N
Anions - STL

21 mg/L

06/28/17 19:21

KLA

EPA 300.0*

Parameter	Result	Unit	Qualifier	Analyzed	Analyst	Method
Sample: 7064984-01						
Name: Whispering Streams						
Matrix: Waste Water - Grab						
Sampled: 06/27/17 11:15						
Received: 06/28/17 11:00						

ANALYTICAL RESULTS



PDC Laboratories, Inc.
3278 North Highway 67
Florissant, MO 63033
(800) 333-3278

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camdenton, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge - Quarterly Sample - Quarterly Report

Facility: Willows on the Lake WWTF
Permit No: MOGD Willows on the Lake WWTF
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0101630
County: Camden
Samples Received in Lab: 5-16-19 10:25

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

<input type="checkbox"/> 1 st Quarter - January through March Due by April 28, 2019	<input checked="" type="checkbox"/> 2 nd Quarter - April through June Due by July 28, 2019	<input type="checkbox"/> 3 rd Quarter - July through September Due by October 28, 2019	<input type="checkbox"/> 4 th Quarter - October through December Due by January 20, 2020								
<input type="checkbox"/> No Discharge For Quarter	<input checked="" type="checkbox"/> No Discharge For Quarter	<input type="checkbox"/> No Discharge For Quarter	<input type="checkbox"/> No Discharge For Quarter								
Sample Collected By: Kirk Davis Telephone: 573-346-3810 Analysis Performed By: Total Water Laboratories, LLC. Telephone: 573-346-3810											
Parameter	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method	
Flow	1501-50000	24 Hour Estimate	5-16-19 08:00	720	GPD				Completed at Sample Site		
BOD	20	Grab	5-16-19 08:00	5.48	mg/L	5-17-19 06:55 5-22-19 07:49	VF	N		SM 5210 B	
TSS	20	Grab	5-16-19 08:00	<1.5	mg/L	5-17-19 10:42 5-17-19 10:45	DG			SM 2540 D	
E. Coli	126	Grab	5-16-19 08:00	<1.0	#/100mL		VF			SM 9233 B	
pH	6.0-9.0	Grab	5-16-19 08:00	7.38	Units					SM 4500 H + B	
Ammonia	4.6	Grab	5-16-19 08:00	<0.60	mg/L	5-19-19	AO			Hach 10205*	
Cl TRC	<130	Grab	5-16-19 08:00	<130	µg/L					SM 4500 CL - G	
Dissolved Oxygen	Monitor & Report	Grab	5-16-19 08:00	6.78	mg/L				Completed at Sample Site	SM 4500 OG	
Signature & Title of Individual Preparing Report: Amy Osborn, Technical Lab Director Report Approved By Owner: <input checked="" type="checkbox"/>											
Date: June 24, 2019				Telephone: 573-346-3810				E-mail: info@totalenvironmental.com			

DMR Permit expires: June 30, 2019

Electronic Form Submitted
 Already entered
 5-29-19
 51162

Sign & Return Form to DNR Office:
 MDNR/SWRO
 2040 W Woodland
 Springfield, MO 65807

Attachments:
 Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.
 *Method is not accredited through NH ELAP

Laboratory Report Number: 2019-0248

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camdenton, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge - Quarterly Sample - Quarterly Report

Facility: Willows on the Lake WWTF
Permit No: MOGD Willows on the Lake WWTF
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0101630
County: Camden
Samples Received in Lab: 4-22-19 14:10

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.


1st Quarter - January through March Due by April 28, 2019

2nd Quarter - April through June Due by July 28, 2019

3rd Quarter - July through September Due by October 28, 2019

4th Quarter - October through December Due by January 20, 2020

No Discharge For Quarter No Discharge For Quarter No Discharge For Quarter No Discharge For Quarter

Outfall #	Sample Collected By:	Telephone:	Analysis Performed By:	Total Water Laboratories, LLC.	Telephone:						
001	Kirk Davis	573-346-3810			573-346-3810						
Parameter	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method	
Flow	1501-50000	24 Hour Estimate	4-22-19 13:00	720	GPD				Completed at Sample Site		
BOD	20	Grab	4-22-19 13:00	5.06	mg/L	4-23-19 08:25	AO	C		SM 5210 B	
TSS	20	Grab	4-22-19 13:00	10.4	mg/L	4-28-19 09:58	DG	C		SM 2540 D	
E. Coli	126	Grab	4-22-19 13:00	17.5	#/100mL	4-24-19	VF			SM 9233 B	
pH	6.0-9.0	Grab	4-22-19 13:00	7.63	Units	4-23-19 14:53			Completed at Sample Site	SM 4500 H + B	
Ammonia	4.6	Grab	4-22-19 13:00	<0.60	mg/L	5-6-19	AO			Hach 10205*	
Cl TRC	<130	Grab	4-22-19 13:00	<130	µg/L					SM 4500 CL - G	
Dissolved Oxygen	Monitor & Report	Grab	4-22-19 13:00	8.37	mg/L				Completed at Sample Site	SM 4500 OG	
Signature & Title of Individual Preparing Report:											
 Amy Osborn, Technical Lab Director Report Approved By Owner: <input checked="" type="checkbox"/>											
Date: May 9, 2019				Telephone: 573-346-3810				E-mail: info@totalenvironmental.com			

DMR Permit expires: June 30, 2019

Laboratory Report Number: 2019-0174

Attachments:

Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.

*Method is not accredited through NH ELAP

Electronic Form Submitted
 Sign & Return Form to DNR Office:
 ENTERED MAY 29 2019 DNR/SWRO
 2040 W Woodland
 Springfield, MO 65807
 51162

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camden, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge - Quarterly Sample - Quarterly Report

Facility: Willows on the Lake WWTF
Permit No: MOGD Willows on the Lake WWTF
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0101630
County: Camden

Samples Received in Lab:
 3-1-19 07:30

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

Outfall #	Sample Collected By:	1 st Quarter - January through March Due by April 28, 2019	2 nd Quarter - April through June Due by July 28, 2019	3 rd Quarter - July through September Due by October 28, 2019	4 th Quarter - October through December Due by January 20, 2020					
001	Kirk Davis	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
No Discharge For Quarter		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>					
Telephone: 573-346-3810		Telephone: 573-346-3810								
Parameter	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method
Flow	1501-50000	24 Hour Estimate	2-28-19 12:00	360	GPD				Completed at Sample Site	
BOD	20	Grab	2-28-19 12:00	2.97	mg/L	3-1-19 07:10	VF	C, N		SM 5210 B
TSS	20	Grab	2-28-19 12:00	<1.5	mg/L	3-6-19 07:52	DG	C		SM 2540 D
E. Coli	126	Grab	NA	8.92	#/100mL	3-1-19			Completed at Sample Site	SM 9233 B
pH	6.0-9.0	Grab	2-28-19 12:00	<0.60	Units	3-13-19	AO			SM 4500 H + B
Ammonia	4.6	Grab	2-28-19 12:00	11.18	mg/L					Hach 10205*
Cl TRC	<130	Grab	NA		µg/L					SM 4500 CL - G
Dissolved Oxygen	Monitor & Report	Grab	2-28-19 12:00		mg/L				Completed at Sample Site	SM 4500 OG
Signature & Title of Individual Preparing Report:		Date:		Date:		Telephone:		E-mail:		
Amy Osborn, Technical Lab Director Report Approved By Owner:		March 20, 2019		3/21/19		573-346-3810		info@totalenvironmental.com		

DMR Permit expires: June 30, 2019

Electronic Form Submitted
 Sign & Return Form to DNR Office:
 MDNR/SWRO
 2040 W Woodland
 Springfield, MO 65807

Laboratory Report Number: 2019-0062
 Attachments:

Total Water Laboratories, LLC is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.

*Method is not accredited through NH ELAP

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Willows on the Lake WWTF
Permit No: MOGD00152
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0101630
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1st Quarter <input type="radio"/> January through March Due April 28th 20____ No Discharge for Quarter <input type="radio"/>	2nd Quarter <input type="radio"/> April through June Due July 28th 20____ No Discharge for Quarter <input type="radio"/>	3rd Quarter <input type="radio"/> July through September Due October 28th 20____ No Discharge for Quarter <input type="radio"/>	4th Quarter <input checked="" type="radio"/> October through December Due Jan 28th 20 <u>19</u> No Discharge for Quarter <input type="radio"/>
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Outfall # 001 Sample Collected By: Kirk Davis Telephone: 573 346 3810
 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	10-17-18	4:30					Grab	24 hr. estimate
BOD	mg/L	20	3.60						Grab	5210 B
TSS	mg/L	20	3.65						Grab	2540 D
pH	Units	6.0 - 9.0	2.2 - 6.1						Grab	4500 H + B
E. coli	#100mL	126	7.49						Grab	9223 B
Cl TRC	µg/L	8.0	< 1.0						Grab	4500 CL - G
Ammonia	mg/L	4.6	4.60						Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	8.42						Grab	4500 OG

Signature & Title of Individual Preparing Report: [Signature]
 Report Approved By Owner: [Signature]
 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Telephone: 11-19-18 E-mail:
 Date: 11/20/2018

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 ENTERED NOV 21 2018 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125
 39285

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Owner: Lake Area Wastewater Association, Inc.

Terminated Permit No: MO-0101630

County: Camden

Facility: Willows on the Lake WWTF

Permit No: MOGD00152

Table: A-4 Quarterly - Grab

Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

(Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input checked="" type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20__	Due October 28 th 20 <u>18</u>	Due Jan 28 th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Kirk Davis Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date: <u>8-25-18</u>	Time: <u>5:50</u>	Date: <u>9-25-18</u>	Time: <u>14:39</u>				
Flow	GPD	Design flow 1,501 - 50K								24 hr. estimate
BOD	mg/L	20						Grab		5210 B
TSS	mg/L	20						Grab		2540 D
pH	Units	6.0 - 9.0						Grab		4500 H + B
E. coli	#100mL	126						Grab		9223 B
Cl TRC	µg/L	8.0						Grab		4500 CL - G
Ammonia	mg/L	4.6						Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report						Grab		4500 OG

Signature & Title of Individual Preparing Report: Sharon Johnson, Lab Analyst Date: 9-10-18 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

Report Approved By Owner: 55281 Date: 9/11/2018 Telephone: Telephone: E-mail: E-mail:

DMR & Permit Expire_30Jun2019

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO

To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample - Monthly Report

Facility: Willows on the Lake WWTF **Owner:** Lake Area Wastewater Association, Inc.
Permit No: MOGD00152 **Terminated Permit No:** MO-0101630
Table: A-4 Quarterly - Grab **County:** Camden
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input checked="" type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20 <u>18</u>	Due October 28 th 20__	Due Jan 28 th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 **Sample Collected By:** Kirk Davis **Telephone:** 573-344-3810 **Analysis Performed By:** TOTAL WATER LABORATORIES, LLC. **Telephone:** 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	<u>4-20-18</u>	<u>11:05</u>					Grab	24 hr. estimate
BOD	mg/L	20	<u>7.20</u>					Grab	Grab	5210 B
TSS	mg/L	20	<u>6.88</u>	<u>-C</u>				Grab	Grab	2540 D
pH	Units	6.0 - 9.0	<u>7.84</u>					Grab	Grab	4500 H + B
E. coli	#100mL	126	<u>1</u>					Grab	Grab	9223 B
Cl TRC	µg/L	8.0	<u><130</u>					Grab	Grab	4500 CL - G
Ammonia	mg/L	4.6	<u><0.60</u>					Grab	Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	<u>8.94</u>					Grab	Grab	4500 OG

Signature & Title of Individual Preparing Report: Namasa Blackheart Lab Analyst **Date:** 5-7-18
Report Approved By Owner: R. Grant **Date:** 5/09/2018
MAY 09 2018

Sign & Return Form JMDNR/SWRO JMDNR/SERO JMDNR/NERO JMDNR/KCRO JMDNR/SLRO
To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Willows on the Lake WWTF Owner: Lake Area Wastewater Association, Inc.

Permit No: MOGD00152

Table: A-4 Quarterly - Grab

Terminated Permit No: MO-0101630

County: Camden

(Last permit review: 07 April 2017)

Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input checked="" type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20 <u>18</u>	Due July 28 th 20 _____	Due October 28 th 20 _____	Due Jan 28 th 20 _____
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Kirk Davis Telephone: 573 344 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	<u>3-03-18</u>	<u>11:36</u>						24 hr. estimate
BOD	mg/L	20	<u>6.43</u>	<u>- C</u>				Grab		5210 B
TSS	mg/L	20	<u>5.3</u>	<u>- C</u>				Grab		2540 D
pH	Units	6.0 - 9.0	<u>7.82</u>					Grab		4500 H + B
E. coli	#100mL	126	<u>-</u>					Grab		9223 B
Cl TRC	µg/L	8.0	<u>-</u>					Grab		4500 CL - G
Ammonia	mg/L	4.6	<u>< 0.60</u>					Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	<u>10.8</u>					Grab		4500 OG

Signature & Title of Individual Preparing Report: Theresa Hockmuth Lab Analyst Date: 3-14-18 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

Report Approved By Owner: K. Davis Date: 3/19/2018 Telephone: _____ E-mail: _____

MAR 20 2018

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO

To Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

DMR & Permit Expire 30Jun2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample - Monthly Report

Owner: Lake Area Wastewater Association, Inc.

Facility: Willows on the Lake WWTF

Permit No: MOGD00152

Terminated Permit No: MO-0101630

County: Camden

Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

(Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input checked="" type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20 <u>17</u>	Due July 28 th 20 <u>17</u>	Due October 28 th 20 <u>17</u>	Due Jan 28 th 20 <u>17</u>
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>

Outfall # 001 Sample Collected By: Lake Davis Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date: <u>10-6-17</u>	Time: <u>8:15</u>	Date: <u>12-11-17</u>	Time: <u>8:30</u>				
Flow	GPD	Design flow 1,501 - 50K								24 hr. estimate
BOD	mg/L	20						Grab		5210 B
TSS	mg/L	20						Grab		2540 D
pH	Units	6.0 - 9.0						Grab		4500 H + B
E. coli	#100mL	126						Grab		9223 B
Cl TRC	µg/L	8.0						Grab		4500 CL - G
Ammonia	mg/L	4.6						Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report						Grab		4500 OG

Signature & Title of Individual Preparing Report: AMY BLUM Technical Lab Director Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

Report Approved By Owner: X 21571 Telephone: Telephone: E-mail: E-mail:

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO

To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

DMR & Permit Expire 30Jun2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Willows on the Lake WWTF
 Permit No: MOGD00152
 Table: A-4 Quarterly - Grab
 Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
 Owner: Lake Area Wastewater Association, Inc.
 Terminated Permit No: MO-0101630
 County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
January through March Due April 28th 20__	April through June Due July 28th 20__	July through September Due October 28th 20__ / 17	October through December Due Jan 28th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>
Sample Collected By: <u>Kirk Davis</u> Telephone: <u>573 346 3810</u>			

Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	8-11-17	11:20						24 hr. estimate
BOD	mg/L	20	2.880					Grab		5210 B
TSS	mg/L	20	8.8					Grab		2540 D
pH	Units	6.0 - 9.0	7.91					Grab		4500 H + B
E. coli	#100mL	126	< 1.0					Grab		9223 B
Cl TRC	µg/L	8.0	< 1.30					Grab		4500 CL - G
Ammonia	mg/L	4.6	< 0.60					Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	6.02					Grab		4500 OG

Signature & Title of Individual Preparing Report: Theresa Fleckhart Lab Analyst Date: 9-06-17
 Report Approved By Owner: R. Hat Date: 9/08/2017
 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Telephone: E-mail:

DMR & Permit Expire_30Jun2019
 Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
 To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

12715
MAY 11 2017

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample - Monthly Report

Facility: Willows on the Lake WWTF
 Owner: Lake Area Wastewater Association, Inc.
 Permit No: MOGD00152
 Terminated Permit No: MO-0101630
 Table: A-4 Quarterly - Grab
 County: Camden
 Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1st Quarter <input type="radio"/>	2nd Quarter <input checked="" type="radio"/>	3rd Quarter <input type="radio"/>	4th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28th 20__	Due July 28th 20 <u>17</u>	Due October 28th 20__	Due Jan 28th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
 Sample Collected By: Kirk Davis
 Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
 Telephone: 573-346-3810 Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	4-26-17	7:15					Grab	24 hr. estimate
BOD	mg/L	20	3.36						Grab	5210 B
TSS	mg/L	20	9.0						Grab	2540 D
pH	Units	6.0 -- 9.0	7.39						Grab	4500 H + B
E. coli	#100mL	126	2 - M						Grab	9223 B
Cl TRC	µg/L	8.0	<130						Grab	4500 CL - G
Ammonia	mg/L	4.6	<0.60						Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	7.02						Grab	4500 OG

Signature & Title of Individual Preparing Report: AWX R. Brad
 Report Approved By Owner: Any Other
 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Telephone: Telephone: 5-05-17 Date: 5/09/2017
 Telephone: Telephone:

DMR & Permit Expire_30Jun2019
 Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
 To Office Indicated: 2040 W Woodland Springfield, MO 65807 2155 N Westwood Poplar Bluff, MO 63901 1709 Prospect Dr Macon, MO 63552 500 NE Colbern Rd Lee's Summit, MO 64086 7545 S Lindbergh Blvd St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camden, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge - Quarterly Sample - Quarterly Report

Facility: Windsor Bay Condominiums WWTF
Permit No: MOGD00099
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0110132
County: Camden
Samples Received in Lab: 4-15-19 12:45

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.											
1 st Quarter - January through March Due by April 28, 2019			2 nd Quarter - April through June Due by July 28, 2019			3 rd Quarter - July through September Due by October 28, 2019			4 th Quarter - October through December Due by January 20, 2020		
<input type="checkbox"/>			<input checked="" type="checkbox"/>			<input type="checkbox"/>			<input type="checkbox"/>		
No Discharge For Quarter			No Discharge For Quarter			No Discharge For Quarter			No Discharge For Quarter		
Sample Collected By: Bob Lassiter			Telephone: 573-346-3810			Analysis Performed By: Total Water Laboratories, LLC.			Telephone: 573-346-3810		
Outfall #	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method	
001	1501-50000	24 Hour Estimate	4-15-19 11:50	2118	GPD				Completed at Sample Site		
	20	Grab	4-15-19 11:50	<2.0	mg/L	4-16-19 07:35	AO			SM 5210 B	
	20	Grab	4-15-19 11:50	1.7	mg/L	4-21-19 10:35	DG			SM 2540 D	
	126	Grab	4-15-19 11:50	<1.0	#/100mL	4-17-19	VF			SM 9233 B	
	6.0-9.0	Grab	4-15-19 11:50	8.27	Units	4-15-19 13:05			Completed at Sample Site	SM 4500 H + B	
	4.6	Grab	4-15-19 11:50	<0.60	mg/L	4-16-19 13:10	AO			Hach 10205*	
	<130	Grab	4-15-19 11:50	<130	µg/L					SM 4500 CL - G	
	Monitor & Report	Grab	4-15-19 11:50	8.03	mg/L				Completed at Sample Site	SM 4500 OG	
Signature & Title of Individual Preparing Report: <i>Amy Osborn</i> Amy Osborn, Technical Lab Director											
Report Approved By Owner:						Date: May 9, 2019		Telephone: 573-346-3810		E-mail: info@totalenvironmental.com	
<input checked="" type="checkbox"/> Electronic Form Submitted						Date:		Telephone:		E-mail:	

DMR Permit expires: June 30, 2019

Laboratory Report Number: 2019-0175

Attachments:

Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.

* Method is not accredited through NH ELAP

ENTERED MAY 29 2019 IDNR/SWRO
2040 W Woodland
Springfield, MO 65807
51163

LawWA 1.17-000842

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camdenton, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge - Quarterly Sample - Quarterly Report

Facility: Windsor Bay Condominiums WWTF
 Permit No: MOGD00099
 Table: A-4 Quarterly - Grab
 Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.
 Terminated Permit No: MO-0110132
 County: Camden

Samples Received in Lab:
 3-5-19 12:40

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

Outfall #	Sample Collected By:	1 st Quarter - January through March Due by April 28, 2019	2 nd Quarter - April through June Due by July 28, 2019	3 rd Quarter - July through September Due by October 28, 2019	4 th Quarter - October through December Due by January 20, 2020					
001	Bob Lassiter	<input checked="" type="checkbox"/> No Discharge For Quarter	<input type="checkbox"/> No Discharge For Quarter	<input type="checkbox"/> No Discharge For Quarter	<input type="checkbox"/> No Discharge For Quarter					
Parameter	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method
Flow	1501-50000	24 Hour Estimate	3-5-19 09:30	944	GPD	3-6-19 08:40			Completed at Sample Site	
BOD	20	Grab	3-5-19 09:30	3.83	mg/L	3-11-19 08:40	AO	C, N		SM 5210 B
TSS	20	Grab	3-5-19 09:30	<1.5	mg/L	3-6-19	DG	C, M		SM 2540 D
E. Coli	126	Grab	NA		#/100mL					SM 9233 B
pH	6.0-9.0	Grab	3-5-19 09:30	7.83	Units				Completed at Sample Site	SM 4500 H + B
Ammonia	4.6	Grab	3-5-19 09:30	<0.60	mg/L	3-25-19	AO	Q		Hach 10205*
Cl TRC	<130	Grab	NA		µg/L					SM 4500 CL - G
Dissolved Oxygen	Monitor & Report	Grab	3-5-19 09:30	9.76	mg/L				Completed at Sample Site	SM 4500 OG
Signature & Title of Individual Preparing Report: <i>Amy Osborn</i> Amy Osborn, Technical Lab Director										
Report Approved By Owner:		Date: April 10, 2019		Telephone: 573-346-3810		E-mail: info@totalenvironmental.com				
<input checked="" type="checkbox"/> Electronic Form Submitted		Date: 4/16/2019		Telephone:					E-mail:	

DMR Permit expires: June 30, 2019

Laboratory Report Number: 2019-0077

Attachments:

Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.

*Method is not accredited through NH ELAP

ENTERED APR 21 2019 MDNR/SWRO
 2040 W Woodland
 Springfield, MO 65807

45612

LAWWA 1.17-000843

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample -- Monthly Report

Facility: Windsor Bay Condominiums WWTF
Permit No: MOGD00099
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0110132
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1st Quarter <input type="radio"/>	2nd Quarter <input type="radio"/>	3rd Quarter <input type="radio"/>	4th Quarter <input checked="" type="radio"/>
January through March	April through June	July through September	October through December
Due April 28th 20_____	Due July 28th 20_____	Due October 28th 20_____	Due Jan 28th 20 <u>19</u>
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Bob Lassiter
Telephone: 573 346 3810
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date: 10-23-18 Time: 9:45	Date: 12-12-18 Time: 10:10	Date: 12-14 Time: 12:00	Date: 1-6 Time: 8:06				
Flow	GPD	Design flow 1,501 - 50K								24 hr. estimate
BOD	mg/L	20						Grab		5210 B
TSS	mg/L	20						Grab		2540 D
pH	Units	6.0 - 9.0						Grab		4500 H + B
E. coli	#100mL	126						Grab		9223 B
Cl TRC	µg/L	8.0						Grab		4500 CL - G
Ammonia	mg/L	4.6						Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report						Grab		4500 OG

Signature & Title of Individual Preparing Report:
 [Signature] Technical Lab Director
Report Approved By Owner: [Signature]
Date: 1/14/2019
Telephone: 573-346-3810
E-mail: info@totalenvironmental.com

DMR & Permit Expire: 30Jun2019
Sign & Return Form: [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland [] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
 Springfield, MO 65807 Poplair Bluff, MO 63901 1709 Prospect Dr Macon, MO 63552 500 NE Colbern Rd Lee's Summit, MO 64086 7545 S Lindbergh Blvd St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Windsor Bay Condominiums WWTF
Permit No: MOGD00099
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0110132
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input checked="" type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20____	Due July 28 th 20____	Due October 28 th 20 <u>18</u>	Due Jan 28 th 20____
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Bob Lassiter
Telephone: 573 344 3810
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	Date:		ANALYSIS DATE	Date:	ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Time:	Time:						
Flow	GPD	Design flow 1,501 - 50K	8-22-18							24 hr. estimate
BOD	mg/L	20	12.31					Grab	Grab	5210 B
TSS	mg/L	20	<2.0					Grab	Grab	2540 D
pH	Units	6.0 - 9.0	1.6					Grab	Grab	4500 H + B
E. coli	#100mL	126	7.07					Grab	Grab	9223 B
Cl TRC	µg/L	8.0	1					Grab	Grab	4500 CL - G
Ammonia	mg/L	4.6	<130					Grab	Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	7.19					Grab	Grab	4500 OG

Signature & Title of Individual Preparing Report: Bob Lassiter
Report Approved By Owner: Bob Lassiter
Signature & Title of Individual Preparing Report: Bob Lassiter
Report Approved By Owner: Bob Lassiter
Telephone: 573-346-3810
E-mail: info@totalenvironmental.com
Date: 9-10-18
Date: 9/11/2018

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland Springfield, MO 65807 2155 N Westwood Poplar Bluff, MO 63901 1709 Prospect Dr Macon, MO 63552 500 NE Colbern Rd Lee's Summit, MO 64086 7545 S Lindbergh Blvd St Louis, MO 63125
 DMR & Permit Expire_30Jun2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Windsor Bay Condominiums WWTF
Permit No: MOGD00099
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0110132
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input checked="" type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20 <u>18</u>	Due October 28 th 20__	Due Jan 28 th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Rob Lassiter
Telephone: 573 346 3810
Analysis Performed By: TOTAL WATER LABORATORIES, LLC. **Telephone:** 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			ANALYSIS DATE	Date: Time:	ANALYSIS DATE	Date: Time:			
Flow	GPD	Design flow 1,501 - 50K	<u>4-26-18</u>	<u>10:30</u>				Grab	24 hr. estimate
BOD	mg/L	20	<u>2/9/1</u>					Grab	5210 B
TSS	mg/L	20	<u>< 2.0</u>					Grab	2540 D
pH	Units	6.0 - 9.0	<u>7.59</u>					Grab	4500 H + B
E. coli	#100mL	126	<u>< 1.0</u>					Grab	9223 B
Cl TRC	µg/L	8.0	<u>< 130</u>					Grab	4500 CL - G
Ammonia	mg/L	4.6	<u>2.66</u>					Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	<u>2.66</u>					Grab	4500 OG

Signature & Title of Individual Preparing Report:
Nanana Flockhart Lab Analyst
Report Approved By Owner: R. Lassiter
Date: 5-7-18
Date: 5/09/2018
Telephone: 573-346-3810
E-mail: info@totalenvironmental.com

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
To Office Indicated: 2040 W Woodland Springfield, MO 65807 2155 N Westwood Poplar Bluff, MO 63901 1709 Prospect Dr Macon, MO 63552 500 NE Colbern Rd Lee's Summit, MO 64086 7545 S Lindbergh Blvd St Louis, MO 63125
 DMR & Permit Expire_ 30Jun2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample -- Monthly Report

Facility: Windsor Bay Condominiums WWTF

Permit No: MOGD00099

Table: A-4 Quarterly - Grab

Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.

Terminated Permit No: MO-0110132

County: Camden

(Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1st Quarter <input checked="" type="radio"/>	2nd Quarter <input type="radio"/>	3rd Quarter <input type="radio"/>	4th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20 <u>18</u>	Due July 28 th 20	Due October 28 th 20	Due Jan 28 th 20
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Bob Lassiter Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	<u>3-19-18</u>	<u>11:20</u>					Grab	24 hr. estimate
BOD	mg/L	20	<u>4.01</u>	<u>-C</u>					Grab	5210 B
TSS	mg/L	20	<u>2.8</u>						Grab	2540 D
pH	Units	6.0 - 9.0	<u>7.31</u>						Grab	4500 H + B
E. coli	#100mL	126	<u>---</u>						Grab	9223 B
Cl TRC	µg/L	8.0	<u>---</u>						Grab	4500 CL - G
Ammonia	mg/L	4.6	<u>1.30</u>	<u>-D</u>					Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	<u>7.94</u>						Grab	4500 OG

Signature & Title of Individual Preparing Report: R. Yost Date: 4-03-18 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

Report Approved By Owner: Lanessa Blockhaus Lab Analyst Date: 4/12/2018 Telephone: Telephone: E-mail: E-mail:

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO

To Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

DMR & Permit Expire_30Jun2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Windsor Bay Condominiums WWTF

Permit No: MOGD00099

Table: A-4 Quarterly - Grab

Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.

Terminated Permit No: MO-0110132

County: Camden

(Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input checked="" type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20	Due July 28 th 20	Due October 28 th 20	Due Jan 28 th 20 18
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Bob Lassiter Telephone: 573-346-3812 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	10-05-17	9:30					Grab	24 hr. estimate
BOD	mg/L	20	16.24					Grab	5210 B	
TSS	mg/L	20	5.88					Grab	2540 D	
pH	Units	6.0 - 9.0	7.63					Grab	4500 H + B	
E. coli	#100mL	126	< 1.0					Grab	9223 B	
Cl TRC	µg/L	8.0	< 130					Grab	4500 CL - G	
Ammonia	mg/L	4.6	< 0.60					Grab	4500 NH - 3	
Dissolved O2	mg/L	Monitor & Report	7.06					Grab	4500 OG	

Signature & Title of Individual Preparing Report: Lanissa Hockhart Date: 11-07-17 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

Report Approved By Owner: R. Lassiter Date: 11/08/2017 Telephone: E-mail:

DMR & Permit Expire_30Jun2019

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO

To Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

AUG 23 2017
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TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample - Monthly Report

Facility: Windsor Bay Condominiums WWTF
 Permit No: MOGD00099
 Table: A-4 Quarterly - Grab
 Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
 Owner: Lake Area Wastewater Association, Inc.
 Terminated Permit No: MO-0110132
 County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

<input type="radio"/> 1st Quarter	<input type="radio"/> 2nd Quarter	<input checked="" type="radio"/> 3rd Quarter	<input type="radio"/> 4th Quarter
January through March	April through June	July through September	October through December
Due April 28th 20	Due July 28th 20	Due October 28th 20 / 7	Due Jan 28th 20
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Bob Lassiter Telephone: 573-346-3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			ANALYSIS DATE	Date: Time:	ANALYSIS DATE	Date: Time:			
Flow	GPD	Design flow 1,501 - 50K		7-26-17 11:45				Grab	24 hr. estimate
BOD	mg/L	20		7.318				Grab	5210 B
TSS	mg/L	20		2.69				Grab	2540 D
pH	Units	6.0 - 9.0		< 1.5				Grab	4500 H + B
E. coli	#100mL	126		8.09				Grab	9223 B
Cl TRC	µg/L	8.0		< 1.0				Grab	4500 CL - G
Ammonia	mg/L	4.6		< 0.60				Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report		7.11				Grab	4500 OG

Signature & Title of Individual Preparing Report: [Signature] Date: 8-14-17 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Report Approved By Owner: [Signature] Date: 8/22/2017 Telephone: _____ E-mail: _____

1. Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
 No Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125
 DMR & Permit Expire_30Jun2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample -- Monthly Report

Facility: Windsor Bay Condominiums WWTF
Permit No: MOGD00099
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0110132
County: Camden
 JUL 14 2017
 # 14426
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1st Quarter <input type="radio"/>	2nd Quarter <input checked="" type="radio"/>	3rd Quarter <input type="radio"/>	4th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28th 20	Due July 28th 20 17	Due October 28th 20	Due Jan 28th 20
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>
Sample Collected By: Bob Lester		Analysis Performed By: TOTAL WATER LABORATORIES, LLC.	
Telephone: 573 346 3810		Telephone: 573-346-3810	

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			ANALYSIS DATE	Date: Time:	ANALYSIS DATE	Date: Time:			
Flow	GPD	Design flow 1,501 - 50K		6-22-17 1130					24 hr. estimate
BOD	mg/L	20		7-78			Grab	Grab	5210 B
TSS	mg/L	20		2.3 - C			Grab	Grab	2540 D
pH	Units	6.0 - 9.0		7.80			Grab	Grab	4500 H + B
E. coli	#100mL	126		410			Grab	Grab	9223 B
Cl TRC	µg/L	8.0		4130			Grab	Grab	4500 CL - G
Ammonia	mg/L	4.6		40.60			Grab	Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report		7.51			Grab	Grab	4500 OG

Signature & Title of Individual Preparing Report: *Technical Lab Director*
Report Approved By Owner: *R. Lester*
 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Telephone: Telephone: 7-10-17 Date: 7/11/2017

Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
Do Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125
 DMR & Permit Expire_30Jun2019

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camdenton, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge - Quarterly Sample - Quarterly Report

Facility: Wrenwood-Robinwood Condominiums WWTF
Permit No.: MOGD00092
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No.: MO-0101711
County: Camden
Samples Received in Lab: 6-11-19 13:45

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1 st Quarter - January through March Due by April 28, 2019	2 nd Quarter - April through June Due by July 28, 2019	3 rd Quarter - July through September Due by October 28, 2019	4 th Quarter - October through December Due by January 20, 2020		
No Discharge For Quarter <input type="checkbox"/>		No Discharge For Quarter <input type="checkbox"/>		No Discharge For Quarter <input type="checkbox"/>	
Sample Collected By: Kirk Davis		Analysis Performed By: Total Water Laboratories, LLC.		Telephone: 573-346-3810	
Outfall # 001	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit
	1501-50000	24 Hour Estimate	6-11-19 12:23	11310	GPD
	20	Grab	6-11-19 12:23	2.50	mg/L
	20	Grab	6-11-19 12:23	4.5	mg/L
	126	Grab	6-11-19 12:23	<1.0	#/100mL
	6.0-9.0	Grab	6-11-19 12:23	7.81	Units
	4.6	Grab	6-11-19 12:23	<0.60	mg/L
	<130	Grab	6-11-19 12:23	<130	µg/L
	Monitor & Report	Grab	6-11-19 12:23	6.97	mg/L
Signature & Title of Individual Preparing Report: <i>Amy Osborn</i> Amy Osborn, Technical Lab Director					
Report Approved By Owner: X					
Telephone: 573-346-3810		Telephone: 573-346-3810		Telephone: 573-346-3810	
Date: July 20, 2019		Date: July 20, 2019		Date: July 20, 2019	
E-mail: info@totalenvironmental.com		E-mail: info@totalenvironmental.com		E-mail: info@totalenvironmental.com	

DMR Permit expires: June 30, 2019
 Laboratory Report Number: 2019-0277
 Attachments:
Electronic Form Submitted
ENTERED JUL 21 2019 5:42L
DNR Office: MDNR/SWRO
 2040 W Woodland
 Springfield, MO 65807
 Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.
 *Method is not accredited through NH ELAP
 LAWWA 17-000851
 Page 1/2

TOTAL WATER LABORATORIES, LLC.

515 Old South Highway 5, Camdenton, MO 65020
573-346-3810

MO Dept. of Natural Resources NPDES Monitoring Report for Wastewater Discharge - Quarterly Sample - Quarterly Report

Facility: Wrenwood-Robinwood Condominiums WWTF
Permit No: MOGD00092
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0101711
County: Camden

Samples Received in Lab:
3-6-19 07:30

THIS REPORT COVERS THE PERIOD: Place an "X" in the box beneath the quarter being reported.

Outfall #	1 st Quarter - January through March Due by April 28, 2019	2 nd Quarter - April through June Due by July 28, 2019	3 rd Quarter - July through September Due by October 28, 2019	4 th Quarter - October through December Due by January 20, 2020						
001	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
	No Discharge For Quarter	No Discharge For Quarter	No Discharge For Quarter	No Discharge For Quarter						
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
	Sample Collected By: Kirk Davis	Analysis Performed By: Total Water Laboratories, LLC.		Telephone: 573-346-3810						
Parameter	Permitted Final Limits	Sample Type	Sample Date and Time	Final Results	Unit	Analysis Date	Analyst Initials	Data Qualifier	Comments	Analytical Method
Flow	1501-50000	24 Hour Estimate	3-4-19 14:15	0	GPD				Completed at Sample Site	SM 5210 B
BOD	20	Grab			mg/L					SM 2540 D
TSS	20	Grab			mg/L					SM 9233 B
E. Coli	126	Grab			#/100mL				Completed at Sample Site	SM 4500 H + B
pH	6.0-9.0	Grab			Units					Hach 10205*
Ammonia	4.6	Grab			mg/L					SM 4500 CL - G
Cl TRC	<130	Grab			µg/L					SM 4500 OG
Dissolved Oxygen	Monitor & Report	Grab			mg/L				Completed at Sample Site	
Signature & Title of Individual Preparing Report: <i>Amy Osborn</i>										
Amy Osborn, Technical Lab Director Report Approved By Owner: X										
Telephone: 573-346-3810						E-mail: info@totalenvironmental.com				
Date: April 10, 2019						E-mail: info@totalenvironmental.com				
Date: 4/16/2019						E-mail: info@totalenvironmental.com				

DMR Permit expires: June 30, 2019

Electronic Form Submitted
 Sign & Return Form to DNR Office:

ENTERED APR 21 2019
 MDNR/SWRO
 2040 W Woodland
 Springfield, MO 65807
 4/8/19

Laboratory Report Number: 2019-0078
Attachments:

Total Water Laboratories, LLC. is accredited with the National Environmental Laboratory Accreditation Program (NELAP) through the New Hampshire Environmental Laboratory Accreditation Program (NH ELAP). Results reported for certified tests meet all requirements of NELAP. A list of certified test methods is available on request. NH ELAP certificate number 2055. Total Water Laboratories reserves the right to subcontract work to other NELAP certified laboratories when appropriate. This report shall not be reproduced except in full, without the written approval of Total Water Laboratories. These results pertain only to the samples indicated by the report.
 *Method is not accredited through NH ELAP

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Wrenwood-Robinwood Condominiums WWTF *Quarterly Analysis 4/30/86*
Permit No: MOGD00092 *1-22-19*
Table: A-4 Quarterly - Grab *Annual 4/31/19 1/23/19*
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0101711
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
January through March	April through June	July through September	October through December
Due April 28th 20	Due July 28th 20	Due October 28th 20	Due Jan 28th 20 19
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>
Sample Collected By: <u>Kirk Davis</u>	Telephone: <u>573 346 3810</u>	Analysis Performed By: <u>TOTAL WATER LABORATORIES, LLC.</u>	Telephone: <u>573-346-3810</u>

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYTICAL METHOD
			Date: ANALYSIS DATE	Time: ANALYSIS DATE	Date: ANALYSIS DATE	Time: ANALYSIS DATE	
Flow	GPD	Design flow 1,501 - 50K	12-17-18	6:15	12-04-19	16:35	24-hr. estimate
BOD	mg/L	20					5210 B
TSS	mg/L	20					2540 D
pH	Units	6.0 - 9.0					4500 H + B
E. coli	#100mL	126					9223 B
Cl TRC	µg/L	8.0					4500 CL - G
Ammonia	mg/L	4.6					4500 NH - 3
Dissolved O2	mg/L	Monitor & Report					4500 OG
Signature & Title of Individual Preparing Report:			Date: <u>1-04-19</u>		Telephone: <u>573-346-3810</u>		E-mail: <u>info@totalenvironmental.com</u>
Report Approved By Owner: <u>Demaria Sheehart Lab Analyst</u>			Date: <u>1/08/2019</u>		Telephone:		E-mail:

Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO
Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125
 DMR & Permit Expire 30Jun2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ----- Monthly Sample -- Monthly Report

Facility: Wrenwood-Robinwood Condominiums WWTF

Permit No: MOGDD00092

Table: A-4 Quarterly - Grab

Owner: Lake Area Wastewater Association, Inc.

Terminated Permit No: MO-0101711

County: Camden

Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input checked="" type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20	Due July 28 th 20	Due October 28 th 20 <u>18</u>	Due Jan 28 th 20
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input checked="" type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Kyle Davis Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date: Time:	Date: Time:	Date: Time:	Date: Time:				
Flow	GPD	Design flow 1,501 - 50K	Date: 4-19-18 Time: 11:30						Grab	24 hr. estimate
BOD	mg/L	20							Grab	5210 B
TSS	mg/L	20							Grab	2540 D
pH	Units	6.0 - 9.0							Grab	4500 H + B
E. coli	#100mL	126							Grab	9223 B
Cl TRC	µg/L	8.0							Grab	4500 CL - G
Ammonia	mg/L	4.6							Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report							Grab	4500 OG

Signature & Title of Individual Preparing Report: Aug Mue Technical Lab Director Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
 Report Approved By Owner: BR Date: 10-16-18 Telephone: Telephone: E-mail: E-mail:

DMR & Permit Expire: 30Jun2019

Sign & Return Form: MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO

To Office Indicated: 2040 W Woodland 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Wrenwood-Robinwood Condominiums WWTF

Permit No: MOGD00092

Table: A-4 Quarterly - Grab

Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.

Terminated Permit No: MO-0101711

County: Camden

(Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input checked="" type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20 <u>18</u>	Due July 28 th 20 <u>18</u>	Due October 28 th 20 <u>18</u>	Due Jan 28 th 20 <u>19</u>
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 Sample Collected By: Kirk Davis Telephone: 573 346 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	5-14-18	13:38					Grab	24 hr. estimate
BOD	mg/L	20	3.66	-					Grab	5210 B
TSS	mg/L	20	6.8						Grab	2540 D
pH	Units	6.0 - 9.0	7.54						Grab	4500 H + B
E. coli	#100mL	126	< 1.0						Grab	9223 B
Cl TRC	µg/L	8.0	< 130						Grab	4500 CL - G
Ammonia	mg/L	4.6	< 0.60						Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	4.27						Grab	4500 OG

Signature & Title of Individual Preparing Report: [Signature] Date: 5-31-18 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

Report Approved By Owner: [Signature] Date: 6/11/2018 Telephone: E-mail:

1.1 Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO

Do Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

DMR & Permit Expire_30Jun2019

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Wrenwood-Robinwood Condominiums WWTF

Permit No: MOGD00092

Table: A-4 Quarterly - Grab

Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler

Owner: Lake Area Wastewater Association, Inc.

Terminated Permit No: MO-0101711

County: Camden

(Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

<input checked="" type="radio"/> 1st Quarter	<input type="radio"/> 2nd Quarter	<input type="radio"/> 3rd Quarter	<input type="radio"/> 4th Quarter
January through March	April through June	July through September	October through December
Due April 28 th 20 <u>18</u>	Due July 28 th 20 <u> </u>	Due October 28 th 20 <u> </u>	Due Jan 28 th 20 <u> </u>
No Discharge for Quarter <input checked="" type="checkbox"/>	No Discharge for Quarter <input type="checkbox"/>	No Discharge for Quarter <input type="checkbox"/>	No Discharge for Quarter <input type="checkbox"/>

Outfall # 001 Sample Collected By: Kirk Davis Telephone: 573 344 3810 Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	<u>3-03-18</u>	<u>12:48</u>					Grab	24 hr. estimate
BOD	mg/L	20							Grab	5210 B
TSS	mg/L	20							Grab	2540 D
pH	Units	6.0 - 9.0							Grab	4500 H + B
E. coli	#100mL	126							Grab	9223 B
Cl TRC	µg/L	8.0							Grab	4500 CL - G
Ammonia	mg/L	4.6							Grab	4500 NH - 3
Dissolved O2	mg/L	Monitor & Report							Grab	4500 OG

Signature & Title of Individual Preparing Report: [Signature] Date: 3-14-18

Report Approved By Owner: [Signature] Date: 3/19/2018

Telephone: 573-346-3810 E-mail: info@totalenvironmental.com

MAR 20 2018

DMR & Permit Expire: 30Jun2019

Sign & Return Form: MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO

Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd

Springfield, MO 65807 Poplair Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Wrenwood-Robinwood Condominiums WWTF
Permit No: MOGD00092
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0101711
County: Camden
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input checked="" type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20__	Due October 28 th 20__	Due Jan 28 th 20 / <u>8</u>
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Kirk Davis
Analysis Performed By: TOTAL WATER LABORATORIES, LLC.
Telephone: 573 346 3810 **Telephone:** 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date: <u>10-13-17</u>	Time: <u>1055</u>	Date: <u>10-19-17</u>	Time: <u>10:55</u>				
Flow	GPD	Design flow 1,501 - 50K								24 hr. estimate
BOD	mg/L	20	<u>4.59-C</u>					Grab		5210 B
TSS	mg/L	20	<u>21.0-C</u>					Grab		2540 D
pH	Units	6.0 - 9.0	<u>7.04</u>					Grab		4500 H + B
E. coli	#100mL	126	<u>4.1</u>					Grab		9223 B
Cl TRC	µg/L	8.0	<u>2130</u>					Grab		4500 CL - G
Ammonia	mg/L	4.6	<u>20.60</u>					Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	<u>6.74</u>					Grab		4500 OG

Signature & Title of Individual Preparing Report: [Signature]
Report Approved By/Owner: [Signature]
Date: 11-07-17
Date: 11/08/2017
Telephone: 573-346-3810
E-mail: info@totalenvironmental.com

DMR & Permit Expire 30Jun2019
Sign & Return Form [X] MDNR/SWRO [] MDNR/SERO [] MDNR/NERO [] MDNR/KCRO [] MDNR/SLRO
Go Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Wrenwood-Robinwood Condominiums WWTF
Permit No: MOGD00092
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0101711 **SEP 18 2017**
County: Camden **16776**
 (Last permit review: 07 April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input type="radio"/>	3 rd Quarter <input checked="" type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20__	Due July 28 th 20__	Due October 28 th 20__ <u>17</u>	Due Jan 28 th 20__
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001
Sample Collected By: Kirk Davis Telephone: 573 346 3810
Analysis Performed By: TOTAL WATER LABORATORIES, LLC. Telephone: 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date: <u>8-15-17</u> Time: <u>10:15</u>	ANALYSIS DATE	Date: <u>8-23-17</u> Time: <u>11:30</u>	ANALYSIS DATE			
Flow	GPD	Design flow 1,501 - 50K	<u>7,200</u>						24 hr. estimate
BOD	mg/L	20	<u>—</u>		<u>4.52</u>		Grab	5210 B	
TSS	mg/L	20	<u>28.0-6</u>		<u>11.0-6</u>	<u>19.5</u>	Grab	2540 D	
pH	Units	6.0 - 9.0	<u>7.47</u>				Grab	4500 H + B	
E. coli	#100mL	126	<u>< 1.0</u>				Grab	9223 B	
Cl TRC	µg/L	8.0	<u>< 130</u>				Grab	4500 CL - G	
Ammonia	mg/L	4.6	<u>< 0.60</u>				Grab	4500 NH - 3	
Dissolved O2	mg/L	Monitor & Report	<u>5.80</u>				Grab	4500 OG	

Signature & Title of Individual Preparing Report: AP
Signature Approved By Owner: R. Davis Date: 9-06-17 Telephone: 573-346-3810 E-mail: info@totalenvironmental.com
Report Approved By: Lab Analyst Date: 9/08/2017 Telephone: _____ E-mail: _____

Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO
So Office Indicated: 2040 W Woodland 2155 N Westwood 1709 Prospect Dr 500 NE Colbern Rd 7545 S Lindbergh Blvd
 Springfield, MO 65807 Poplar Bluff, MO 63901 Macon, MO 63552 Lee's Summit, MO 64086 St Louis, MO 63125

TOTAL WATER LABORATORIES, LLC.

MO Dept of Natural Resources NPDES Monitoring Report for Wastewater Discharge ---- Monthly Sample -- Monthly Report

Facility: Wrenwood-Robinwood Condominiums WWTF JUL 14 2017
Permit No: MOGD00092 # 14427
Table: A-4 Quarterly - Grab
Facility Type: Extended aeration / seasonal chlorination & Dechlorination / sludge disposal by contract hauler
Owner: Lake Area Wastewater Association, Inc.
Terminated Permit No: MO-0101711
County: Camden, (Last permit review: 07/April 2017)

THIS REPORT COVERS THE PERIOD: Place an "X" in the circle for the Quarter being reported.

1 st Quarter <input type="radio"/>	2 nd Quarter <input checked="" type="radio"/>	3 rd Quarter <input type="radio"/>	4 th Quarter <input type="radio"/>
January through March	April through June	July through September	October through December
Due April 28 th 20	Due July 28 th 2017	Due October 28 th 20	Due Jan 28 th 20
No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>	No Discharge for Quarter <input type="radio"/>

Outfall # 001 **Sample Collected By:** Kirk Davis **Telephone:** 573 346 3810 **Analysis Performed By:** TOTAL WATER LABORATORIES, LLC. **Telephone:** 573-346-3810

PARAMETER	UNIT	PERMITTED FINAL LIMITS	ONE (1)		TWO (2)		ANALYSIS DATE	AVG OF SAMPLES IF 2 TAKEN	SAMPLE TYPE	ANALYTICAL METHOD
			Date:	Time:	Date:	Time:				
Flow	GPD	Design flow 1,501 - 50K	6-13-17	1246						24 hr. estimate
BOD	mg/L	20	2.96					Grab		5210 B
TSS	mg/L	20	9.5 - M					Grab		2540 D
pH	Units	6.0 - 9.0	7.04					Grab		4500 H + B
E. coli	#100mL	126	21.0					Grab		9223 B
Cl TRC	µg/L	8.0	2130					Grab		4500 CL - G
Ammonia	mg/L	4.6	20.60					Grab		4500 NH - 3
Dissolved O2	mg/L	Monitor & Report	4.84					Grab		4500 OG

Signature & Title of Individual Preparing Report: *duy odum* Technical Lab Director
Report Approved By Owner: *R. Grate*
Telephone: 573-346-3810 **E-mail:** info@totalenvironmental.com
Date: 7-10-17
Date: 7/11/2017

Sign & Return Form MDNR/SWRO MDNR/SERO MDNR/NERO MDNR/KCRO MDNR/SLRO
Do Office Indicated: 2040 W Woodland Springfield, MO 65807 1709 Prospect Dr Macon, MO 63552 500 NE Colbern Rd Lee's Summit, MO 64086 7545 S Lindbergh Blvd St Louis, MO 63125
 DMR & Permit Expire 30Jun2019



Jeremiah W. (Jay) Nixon, Governor

Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

dnr.mo.gov

February 12, 2014

Lake Area Wastewater Association
Holiday Estates
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT # MO0124851

Dear Permittee:

In reviewing the file for your wastewater/stormwater facility I note that you have failed to submit the Discharge Monitoring Report (DMR) for the **4th quarter, October through December 2013** required by your Missouri State Operating Permit (MSOP). Your report is due in our office no later than the 28th day of the month following the report period.

A completed monitoring report with the required information should be submitted to this agency within five (5) days from the date of this letter or in writing within 15 calendar days of receipt of this letter, identify the reasons for the violations and corrective actions you have taken or will take.

The Department of Natural Resources (Department) monitors and tracks instances of noncompliance related to DMRs. All facilities that are significantly non-compliant are reported to the Environmental Protection Agency and the Department then takes action to ensure their return to compliance. It is the policy of this office to require facilities with a history of noncompliance to sign a Schedule of Compliance that outlines corrective measures to be taken within a specified time period. You are encouraged to take appropriate steps to eliminate the current violation.

If you have questions please contact me by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

Handwritten signature of Lana Cypret in black ink.

Lana Cypret
Technical Assistant

LGC/pef

029.wpcp.HolidayEstates.mo0124851.x.2014.02.12.fy14.dmr.x.lgc





Jeremiah W. (Jay) Nixon, Governor

Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

dnr.mo.gov

February 10, 2014

Lake Area Wastewater Association
Park Place On The Lake
276 South State Highway 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT # MO0117595

Dear Permittee:

In reviewing the file for your wastewater/stormwater facility I note that you have failed to submit the Discharge Monitoring Report (DMR) for the **December 2013** required by your Missouri State Operating Permit (MSOP). Your report is due in our office no later than the 28th day of the month following the report period.

A completed monitoring report with the required information should be submitted to this agency within five (5) days from the date of this letter or in writing within 15 calendar days of receipt of this letter, identify the reasons for the violations and corrective actions you have taken or will take.

The Department of Natural Resources (Department) monitors and tracks instances of noncompliance related to DMRs. All facilities that are significantly non-compliant are reported to the Environmental Protection Agency and the Department then takes action to ensure their return to compliance. It is the policy of this office to require facilities with a history of noncompliance to sign a Schedule of Compliance that outlines corrective measures to be taken within a specified time period. You are encouraged to take appropriate steps to eliminate the current violation.

If you have questions please contact me by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in cursive script that reads "Lana Cypret".

Lana Cypret
Technical Assistant

LGC/pef

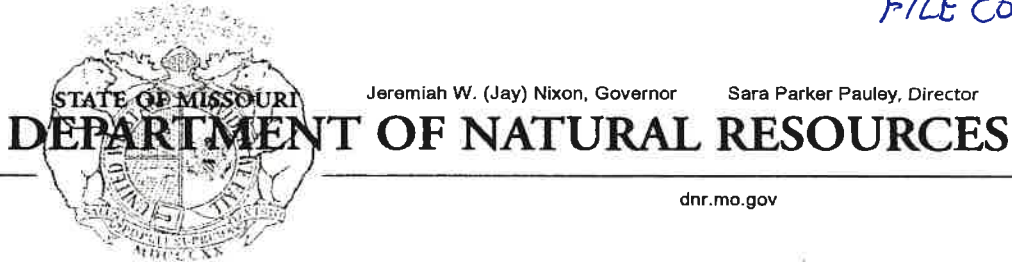
029.wpcp.ParkPlaceOnTheLakeCondos.mo0117595.x.2014.02.10.fy14.dmr.x.lgc



LAWWA 1.18-000861

FILE COPY

COPY



February 12, 2014

Lake Area Wastewater Association, Inc
Briarwood Estates Lots 5 and 6
P.O. Box 510
Osage Beach, MO 65065

RE: MISSOURI STATE OPERATING PERMIT # MO0127094

Dear Permittee:

In reviewing the file for your wastewater/stormwater facility I note that you have failed to submit the Discharge Monitoring Report (DMR) for the **4th quarter, October through December 2013** required by your Missouri State Operating Permit (MSOP). Your report is due in our office no later than the 28th day of the month following the report period.

A completed monitoring report with the required information should be submitted to this agency within five (5) days from the date of this letter or in writing within 15 calendar days of receipt of this letter, identify the reasons for the violations and corrective actions you have taken or will take.

The Department of Natural Resources (Department) monitors and tracks instances of noncompliance related to DMRs. All facilities that are significantly non-compliant are reported to the Environmental Protection Agency and the Department then takes action to ensure their return to compliance. It is the policy of this office to require facilities with a history of noncompliance to sign a Schedule of Compliance that outlines corrective measures to be taken within a specified time period. You are encouraged to take appropriate steps to eliminate the current violation.

If you have questions please contact me by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in black ink that reads "Lana Cypret".

Lana Cypret
Technical Assistant

LGC/pef

029.wpcp.BriarwoodEstates5&6.mo0127094.x.2014.02.12.fy14.dmr.x.lgc



LAWWA 1.18-000862



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

July 28, 2014

NOTICE OF VIOLATION 15573SW
CERTIFIED MAIL # 7013 1710 0001 3507 0893
RETURN RECEIPT REQUESTED

Lake Area Wastewater Assoc.
Osage Heritage Condominiums
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT NUMBER MO0095044

Dear Permittee:

A review of your Discharge Monitoring Report(s) (DMR) for the monitoring period ending in **May 2014** shows that the effluent limitations established in your Missouri State Operating Permit (MSOP) have been exceeded. The effluent limits and the values that have exceeded those effluent limits are listed below.

Outfall	Months	Parameter	Permit Limitations	Reported Values
001	05/14	E Coli	630 MPN/100 mL daily maximum	1553 MPN/100 mL

An exceedance of the effluent limitations established in your permit is a violation of the Missouri Clean Water Law, Section 644.051.1(3) and 644.076.1, Clean Water Commission Regulation 10 CSR 20-7 and your MSOP. The facility is responsible for taking appropriate steps to eliminate the violation(s).

Please provide a written response within 15 calendar days of receipt of this letter to the Department which explains the reason(s) for the non-compliance and what steps your operation has taken or will take to prevent a reoccurrence of the violation(s). The facility will be considered in non-compliance with the violation(s) and our files will reflect the continued non-compliance until the documentation is submitted to this office. If you have already provided this information to the Department, you may disregard this request.

We appreciate your cooperation and immediate attention so that violations can be corrected. If you have questions please contact water pollution staff by calling 417-891-4300 or via mail at Missouri Department of Natural Resources, Southwest Regional Office, 2040 W. Woodland, Springfield, MO 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

Cynthia S. Davies
Regional Director

CSD/lcr

Enclosure

029.wpcp.OsageHeritageCondos.mo0095044.x.2014.07.28.fy15.novdmr.15573sw.lgc

*Celebrating 40 years of taking care of Missouri's natural resources.
To learn more about the Missouri Department of Natural Resources visit dnr.mo.gov*



NOTICE OF VIOLATION

VIOLATION NUMBER

15573SW

DATE AND TIME ISSUED

July 28, 2014

SOURCE (NAME, ADDRESS, PERMIT NUMBER, LOCATION)

Osage Heritage Condominiums

551 Osage Heritage Circle, Linn Creek in Camden County

Missouri State Operating Permit number MO0095044

SW¼, SE¼, Sec. 19, T39N, R16W River Reach 10290109-0401

MAILING ADDRESS

515 Old South 5

CITY

Camdenton

STATE

MO

ZIP CODE

65020

NAME OF OWNER OR MANAGER

Lake Area Wastewater Assoc.

TITLE OF OWNER OR MANAGER

Owner

LAW, REGULATION OR PERMIT VIOLATED

Missouri Clean Water Law Section 644.076.1 and 644.051.1(3), RSMo.

NATURE OF VIOLATION

DATE(S):

TIME(S):

Permittee failed to comply with effluent limits contained in Part "A" of the Missouri State Operating Permit number MO0095044. Permittee exceeded effluent limitations for E Coli for the month of May 2014.

SIGNATURE (PERSON RECEIVING NOTICE)

Sent Via US Mail

SIGNATURE (PERSON ISSUING NOTICE)

Lana Cypret

TITLE OR POSITION

TITLE OR POSITION

Technical Assistant / SWRO

Handwritten scribble or signature



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

September 28, 2014

Lake Area Wastewater Association
515 Old South 5
Camdenton, MO 65020

Dear Permittee:

A compliance inspection of the Seven Trails Subdivision Wastewater Treatment Facility, located in Camden County, Missouri, was conducted on August 28, 2014. Enclosed is the Report of Inspection. I believe the report is self-explanatory and trust you will address any unsatisfactory features noted, as well as any recommendations contained therein.

You are requested to submit a written response within 30 calendar days of the date of this report which addresses actions you have taken, or intend to take, to correct any of the compliance or operation and maintenance issues described. If you have any questions, please contact Ms. Laura M. Gerson via mail in the Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912 or by calling 573-348-4028.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in blue ink, appearing to read 'K. Hess'.

Kevin Hess, Chief
Water Pollution Section

KH/lgk

Enclosures

029.wpcp.SevenTrailsSubdivision.mo0121142.x.2014.09.28.fy15.ins.x.lmg

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LAWWA 1.18-000867

MISSOURI DEPARTMENT OF NATURAL RESOURCES
REPORT OF INSPECTION
SEVEN TRAILS SUBDIVISION WASTEWATER TREATMENT FACILITY
MISSOURI STATE OPERATING PERMIT NUMBER MO0121142
CAMDEN COUNTY, MISSOURI

September 28, 2014

INTRODUCTION

A compliance inspection of the Seven Trails Subdivision Wastewater Treatment Facility (WWTF) in Camden County, Missouri, was conducted by Ms. Laura M. Gerson of the Missouri Department of Natural Resources (department) Southwest Regional Office on August 28, 2014. Mr. Randy Grathen, Director of Operations, was present representing the facility during the inspection.

The purpose of this inspection was to determine compliance with Missouri State Operating Permit (MSOP) MO0121142, the Missouri Clean Water Commission Regulations, and Missouri Clean Water Law. This report presents the findings and observations made during the compliance inspection. Authority for this inspection is provided in Missouri Clean Water Law 644.026.1(21), RSMo.

FACILITY DESCRIPTION

The treatment facility is composed of a septic tank, wetland, sand filter, chlorination, and dechlorination. The system has a design flow capacity of 25,200 gallons per day. The actual flow for the facility is 14,200 according to the permit. Sludge is disposed by contract hauler. Discharge from this facility flows into a tributary to Racetrack Hollow classified as a losing setting. The facility has a design population equivalent of 420. The UTM 83 coordinates for this facility's outfall are E 525719, N 4203804. The MSOP MO0121142 was last issued on May 1, 2014 and expires on April 30, 2019.

COMPLIANCE HISTORY

Our records indicate that the previous inspection of this facility was conducted by the department on July 19, 2013. The unsatisfactory features at the time of inspection were an unmarked outfall and lack of a flow measuring device. Some green algae was also noted in the receiving stream.

During the office portion of the inspection I reviewed the facility's Annual Sludge Report and Discharge Monitoring Reports (DMR). The previous year's Form S Annual Sludge Report was received by the department on January 2, 2014. The DMRs submitted to this office from January 2012 to July 2014 reflect overall compliance with MSOP limits. The DMR for July 2014 had a BOD exceedance. The reported value was 13 mg/L.

DISCUSSION OF INSPECTION

Prior to the inspection, I reviewed the files for Seven Trails Subdivision WWTF, including the permit conditions of MSOP MO0121142, to familiarize myself with the requirements specific to this facility. The inspection was conducted during normal business hours. Prior notification of the inspection was provided to ensure access and all necessary documentation would be available during the inspection.

An all-weather access road is provided to the facility. The wetland cells and sand filter are surrounded by a security fence, but warning signs are not present (Photo 1). The three wetland cells all had an adequate amount of vegetation (Photos 2,3,4). The sand filter had a significant amount of vegetation on it (Photo 5). Mr. Grathen did mention that they continuously cut down the willow tree growing in the sand filter, but it continues to grow back. The chlorine contact basin is baffled (Photo 7). There were chlorination and dechlorination tablets present in the appropriate contact tubes (Photos 5 and 7). The sample port was labeled with an outfall sign (Photo 9). The receiving stream was free from any obvious impacts from the facility (Photo 10), although there are some solid waste remains from chlorination or dechlorination plastic storage containers.

Instruments were taken on the inspection that are capable of measuring pH, temperature, total residual chlorine, and dissolved oxygen. The results of the field measurements are as follows:

OUTFALL #001	
PARAMETER	RESULT
pH	7.12 s.u.
Temperature	24.8 °C
Total Residual Chlorine	0.02 mg/L
Dissolved Oxygen	2.34 mg/L

Samples were collected during the inspection (Photo 11) and sent for laboratory analysis. Sample results will be forwarded upon receipt.

COMPLIANCE DETERMINATION

The facility was found to be in non-compliance with the Missouri Clean Water Law, the Clean Water Commission Regulations, and Missouri State Operating Permit MO0121142, based upon the observations made at the time of the inspection. At the time of the report the results of sample analysis were not complete. Additional violations may be documented upon receipt of the sample analysis results.

UNSATISFACTORY FEATURES

1. The surface of the recirculating sand filter was growing vegetation which can be a cause of filter plugging. Vegetation must be routinely removed from the surface of the filter media. It is essential that wastewater treatment facilities be properly operated and maintained in good working order so that permit limits can be met under all conditions. Failure to properly operate and maintain the facility is a violation of Missouri Clean Water Law Sections 644.051.1 and 644.076.1, RSMo.

REQUIRED ACTION: Ensure the filter media is kept free of all vegetation; however, it is not recommended to use weed killers/preventers as they may also kill the microorganisms that provide the actual treatment of the wastewater. It is preferred that you simply pull the weeds.

2. The WWTF does not have warning signs stating "SEWAGE TREATMENT FACILITY - KEEP OUT" or similar language which is a violation of Missouri Clean Water Law 644.076.1, RSMo and Missouri Clean Water Commission Regulation 10 CSR 20-8.020(11)(C)11.G.

REQUIRED ACTION: Warning signs are needed to advise the general public of the risks of unauthorized entrance and to help limit the liability of the owner should a member of the general public suffer harm or death during an unauthorized visit. Install proper warning signs at the facility.

RECOMMENDATIONS

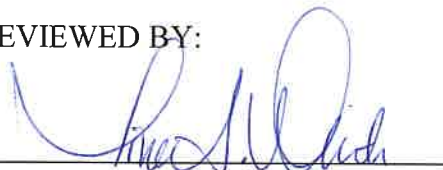
1. Some maintenance should be done to ensure the road remains all-weather access.
2. Clean up solid waste around the chlorination, dechlorination, and sample port area.

SUBMITTED BY:



Laura M. Gerson
Environmental Specialist
Southwest Regional Office

REVIEWED BY:



Tina A. White, Chief
Water Pollution Inspection and Enforcement Unit
Southwest Regional Office



Photo 1

Location: Seven Trails Subdivision WWTF
Photographer: Laura M. Gerson
Photograph Date: August 28, 2014
Comments: Fence around wetland and sand filters. No warning signs are on the fence.



Photo 2

Location: Seven Trails Subdivision WWTF
Photographer: Laura M. Gerson
Photograph Date: August 28, 2014
Comments: First wetland cell.



Photo 3

Location: Seven Trails Subdivision WWTF
Photographer: Laura M. Gerson
Photograph Date: August 28, 2014
Comments: Second wetland cell.



Photo 4

Location: Seven Trails Subdivision WWTF
Photographer: Laura M. Gerson
Photograph Date: August 28, 2014
Comments: Third wetland cell.



Photo 5

Location: Seven Trails Subdivision WWTF
Photographer: Laura M. Gerson
Photograph Date: August 28, 2014
Comments: Sand filter.



Photo 6

Location: Seven Trails Subdivision WWTF
Photographer: Laura M. Gerson
Photograph Date: August 28, 2014
Comments: Chlorination.

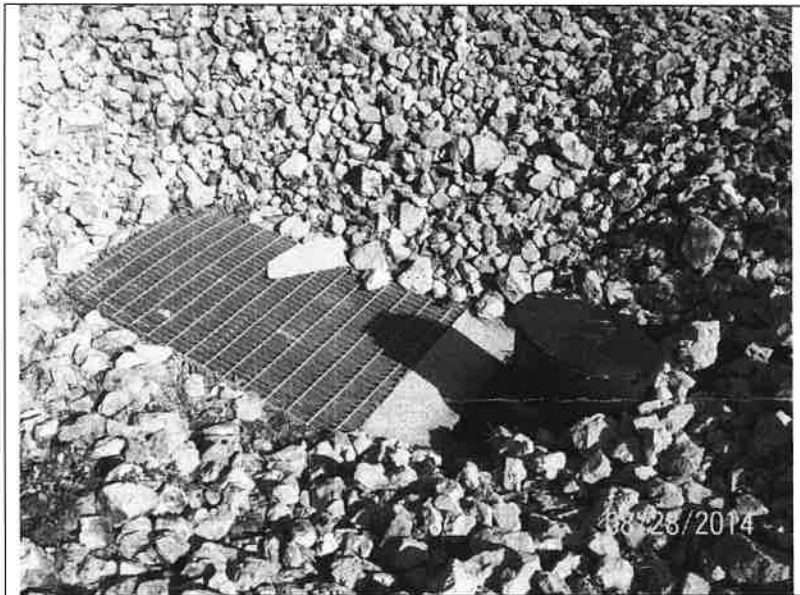


Photo 7

Location: Seven Trails Subdivision WWTF
Photographer: Laura M. Gerson
Photograph Date: August 28, 2014
Comments: Baffled chlorine contact basin.



Photo 8

Location: Seven Trails Subdivision WWTF
Photographer: Laura M. Gerson
Photograph Date: August 28, 2014
Comments: Dechlorination.

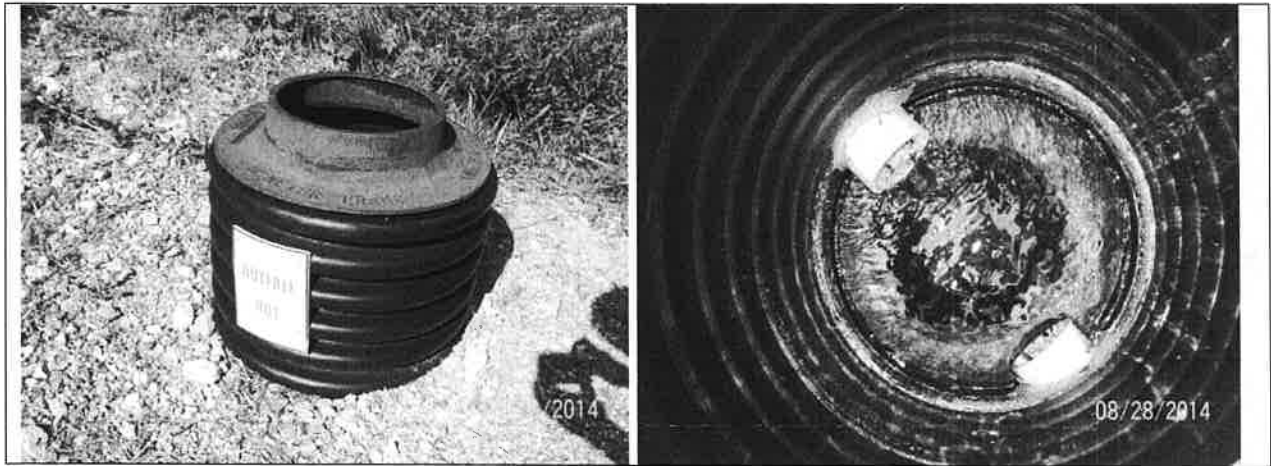


Photo 9

Location: Seven Trails Subdivision WWTF
Photographer: Laura M. Gerson
Photograph Date: August 28, 2014
Comments: Sample port/outfall.



Photo 10

Location: Seven Trails Subdivision WWTF
Photographer: Laura M. Gerson
Photograph Date: August 28, 2014
Comments: Receiving stream.



Photo 11

Location: Seven Trails Subdivision WWTF
Photographer: Laura M. Gerson
Photograph Date: August 28, 2014
Comments: Samples taken during the inspection.



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

February 20, 2015

Lake Area Wastewater Assoc.
Northampton Bay Condominiums
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT # MO0107409

Dear Permittee:

A review of your Discharge Monitoring Report (DMR) file revealed that the report was not complete when compared to the monitoring requirements specified in your Missouri State Operating Permit (MSOP). Please be advised that the failure to submit a complete DMR constitutes a violation of the permit-- a legally binding document enforced by both state and federal laws.

The following monitoring information is missing from your **fourth quarter, October through December 2014** DMR:

OCTOBER 2014 FLOW NOVEMBER 2014 FLOW

The required information should be submitted to this agency within five (5) days from the date of this letter, or identify the reasons for the violations and corrective actions you have taken or will take in writing within 15 calendar days of receipt of this letter.

The Department of Natural Resources (department) monitors and tracks instances of noncompliance related to DMRs. All facilities that are significantly noncompliant are reported to the Environmental Protection Agency and the department then takes action to ensure their return to compliance. It is the policy of this office to require facilities with a history of a significant noncompliance to sign a Schedule of Compliance that outlines corrective measures to be taken within a specified time period. You are encouraged to take appropriate steps to eliminate the current violation.

If you have questions please contact me by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in cursive script that reads 'Lana Cypret'.

Lana Cypret
Technical Assistant

LGC/rc

Enclosure





MISSOURI DEPARTMENT OF NATURAL RESOURCES
SOUTHWEST REGIONAL OFFICE

Parameter(s) indicated below (was/were) missing from the **fourth quarter, October through December 2014** discharge monitoring report for **Northampton Bay Condominiums** in Miller County, permit number **MO0107409**.

Missing Parameter
OCTOBER 2014 FLOW
NOVEMBER 2014 FLOW

Results

UNKNOWN

UNKNOWN

} see attached letter

1. Please notify operator of new permit requirements.

Comments: Operator has been notified and appropriate documents have been changed.

OPERATOR: _____ SAMPLE DATE: _____ SAMPLE TIME: _____

LAB: _____ ANALYSES DATE: _____ METHOD USED: _____

Please **complete and return** this form with the missing information and **original signature** to the address below. DO NOT FAX. If you have any questions contact Lana Cypret at 417-891-4300.

Department of Natural Resources
Southwest Regional Office
2040 West Woodland
Springfield, MO 65807-5912

SIGNATURE: Randy Chast DATE: March 03, 2015

MO/SWRO
06/24/2010

131.wpcp.NorthamptonBayCondos.mo0107409.x.2015.02.20.fy15.dmr.x.lgc.doc



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

February 23, 2015

LETTER OF WARNING

Lake Area Wastewater Association
P.O. Box 510
Osage Beach, MO 65049

Dear Permittee:

Please find enclosed the department's report on the sanitary sewer overflow that occurred at the Seven Trails Subdivision Wastewater Treatment Facility in Camden County, MO, which was investigated on January 7, 2015. Please note, this Letter of Warning is official notification of violations of Missouri's Clean Water Law that were observed during this incident.

The facility shall submit a written statement within 15 days of the date of this report, explaining what actions have been or will be taken to correct the issue and prevent a reoccurrence in the future. If you have any questions concerning this report, please contact Mr. Troy Potteiger via mail in the Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912 or by calling 573-348-4103.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in blue ink, appearing to read "K. Hess".

Kevin Hess, Chief
Water Pollution Section

KH/tpg

Enclosures

c: Total Environmental Services

029.wpcp.SevenTrailsSubWWTF.mo0121142.x.2015.02.23.fy15.low_spill.x.tap.doc



LAWWA 1.18-000881

MISSOURI DEPARTMENT OF NATURAL RESOURCES
REPORT ON SANITARY SEWER OVERFLOW
OF THE SEVEN TRAILS SUBDIVISION WWTF
MISSOURI STATE OPERATING PERMIT NUMBER MO0121142
CAMDEN COUNTY, MISSOURI

February 23, 2015

January 7, 2015

Once I arrived at the site I noted the dry intermitting creek bed had been limed approximately 30 feet down gradient from the lift station. The intermitting creek is a tributary to the Niangua River. The lift station appears to have been repaired and operating properly. At the time of my investigation the creek was dry with no signs of impact remaining other than the area that was limed.

Violations of the Missouri Clean Water Law

1. The Owner caused pollution of a tributary to the Niangua River, waters of the state, or placed or caused or permitted to be placed water contaminants in a location where it is reasonably certain to cause pollution of waters of the state. This constitutes a violation of Missouri Clean Water Law Sections 644.051.1(1) and 644.076.1, RSMo.

REQUIRED ACTION: The facility shall submit a written statement within 15 days of the date of this report, explaining what actions have been or will be taken to correct the issue and prevent a reoccurrence in the future.

SUBMITTED BY:



Troy Potteiger
Environmental Specialist
Lake of the Ozarks Satellite Office

REVIEWED BY:



Tina A. White, Chief
Water Pollution Inspection and Enforcement Unit
Southwest Regional Office



Photo 1

Location: Seven Trails Subdivision
Photographer: Troy Potteiger
Photograph Date: January 7, 2015
Comments: dry creek bed that has been limed

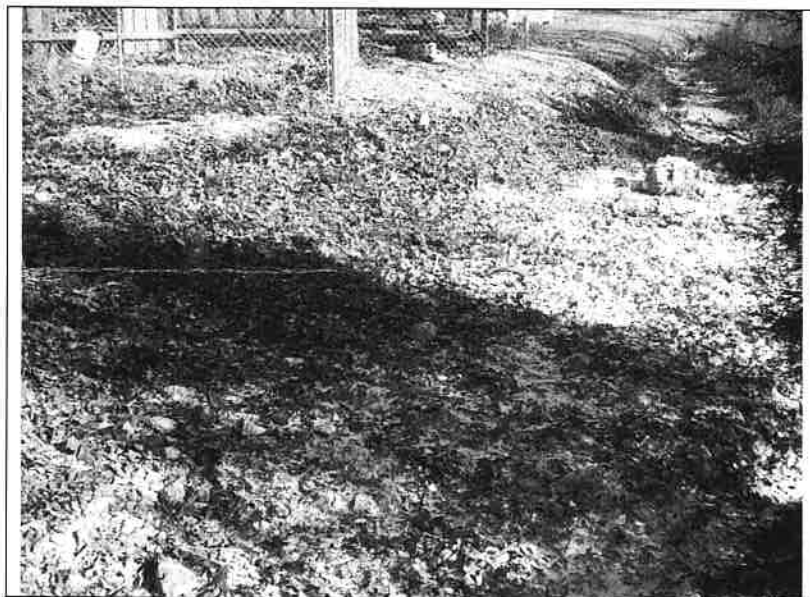


Photo 2

Location: Seven Trails Subdivision
Photographer: Troy Potteiger
Photograph Date: January 7, 2015
Comments: dry creek bed that has been limed, lift station is on the left in the chain link enclosure



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

March 26, 2015

LETTER OF WARNING

Lake Area Wastewater Assoc.
Park Place on the Lake Condos
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT NUMBER MO0117595

Dear Permittee:

A review of your Discharge Monitoring Report(s) (DMR) for the monitoring period ending in the **December 2014** shows that the effluent limitations established in your Missouri State Operating Permit (MSOP) have been exceeded. The effluent limits and the values that have exceeded those effluent limits are listed below.

Outfall	Months	Parameter	Permit Limitations	Reported Values
001	12/14	Ammonia as N	3.35 mg/L monthly average	5.6 mg/L

An exceedance of the effluent limitations established in your permit is a violation of the Missouri Clean Water Law, Section 644.051.1(3) and 644.076.1, Clean Water Commission Regulation 10 CSR 20-7 and your MSOP. The facility is responsible for taking appropriate steps to eliminate the violation(s).

Please provide a written response within 15 calendar days of receipt of this letter to the Department of Natural Resources (department) which explains the reason(s) for the non-compliance and what steps your operation has taken or will take to prevent a reoccurrence of the violation(s). The facility will be considered in non-compliance with the violation(s) and our files will reflect the continued non-compliance until the documentation is submitted to this office. If you have already provided this information to the department, you may disregard this request.

We appreciate your cooperation and immediate attention so that violations can be corrected. If you have questions please contact water pollution staff by calling 417-891-4300 or via mail at Missouri Department of Natural Resources, Southwest Regional Office, 2040 W. Woodland, Springfield, MO 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

Kevin Hess, Chief
Water Pollution Section

KH/lck





Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

June 4, 2015

LETTER OF WARNING

Dr. John Reinhold, DVM
Hill-N-Dale Mobile Home Estates
217 Old Orchard Lane
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT NUMBER MO0113921

Dear Permittee:

A review of your Discharge Monitoring Report(s) (DMR) for the monitoring period ending in the **1st quarter January through March 2015** shows that the effluent limitations established in your Missouri State Operating Permit (MSOP) have been exceeded. The effluent limits and the values that have exceeded those effluent limits are listed below.

Outfall	Months	Parameter	Permit Limitations	Reported Values
001	03/15	Biochemical Oxygen Demand	10 mg/L monthly average 15 mg/L daily maximum	18 mg/L 18 mg/L

An exceedance of the effluent limitations established in your permit is a violation of the Missouri Clean Water Law, Section 644.051.1(3) and 644.076.1, Clean Water Commission Regulation 10 CSR 20-7 and your MSOP. The facility is responsible for taking appropriate steps to eliminate the violation(s).

Please provide a written response within 15 calendar days of receipt of this letter to the Department of Natural Resources (department) which explains the reason(s) for the non-compliance and what steps your operation has taken or will take to prevent a reoccurrence of the violation(s). The facility will be considered in non-compliance with the violation(s) and our files will reflect the continued non-compliance until the documentation is submitted to this office. If you have already provided this information to the department, you may disregard this request.



Hill-N-Dale Mobile Home Estates

June 4, 2015

Page 2

We appreciate your cooperation and immediate attention so that violations can be corrected. If you have questions please contact water pollution staff by calling 417-891-4300 or via mail at Missouri Department of Natural Resources, Southwest Regional Office, 2040 W. Woodland, Springfield, MO 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE



Kevin Hess, Chief
Water Pollution Section

KH/rck



DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

June 30, 2015

NOTICE OF VIOLATION 16345SW
CERTIFIED MAIL #7014 0150 0001 9539 5871
RETURN RECEIPT REQUESTED

BDS Boyd Subdivision HOA
2060 Standing Rock Road
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT NUMBER MO0113816

Dear Permittee:

A review of your Discharge Monitoring Report(s) (DMR) for the monitoring period ending in **first quarter, January through March 2015** shows that the effluent limitations established in your Missouri State Operating Permit (MSOP) have been exceeded. A Notice of Violation (NOV) number **16345SW** is enclosed for exceedances listed below according to your Missouri State Operating Permit (MSOP) number MO0113816. The effluent limits and the values that have exceeded those effluent limits are listed below.

Outfall	Months	Parameter	Permit Limitations	Reported Values
001	1-3/2015	Ammonia as N	1.1 mg/L monthly average	16 mg/L

An exceedance of the effluent limitations established in your permit is a violation of the Missouri Clean Water Law, Section 644.051.1(3) and 644.076.1, Clean Water Commission Regulation 10 CSR 20-7 and your MSOP. The facility is responsible for taking appropriate steps to eliminate the violation(s).

Please provide a written response within 15 calendar days of receipt of this letter to the Department of Natural Resources (department) which explains the reason(s) for the non-compliance and what steps your operation has taken or will take to prevent a reoccurrence of the violation(s). The facility will be considered in non-compliance with the violation(s) and our files will reflect the continued non-compliance until the documentation is submitted to this office. If you have already provided this information to the department, you may disregard this request.



We appreciate your cooperation and immediate attention so that violations can be corrected. If you have questions please contact water pollution staff by calling 417-891-4300 or via mail at Missouri Department of Natural Resources, Southwest Regional Office, 2040 W. Woodland, Springfield, MO 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE



Cynthia S. Davies
Regional Director

CSD/rck

Enclosure

029.wpcp.BDSBoydSubdivision.mo0113816.x.2015.06.30.fy15.novdmr.1stqtr15.16345sw.ryc

DATE AND TIME ISSUED June 30, 2015			
SOURCE (NAME, ADDRESS, PERMIT NUMBER, LOCATION) BDS Boyd Subdivision HOA			
Missouri State Operating Permit number MO0113816			
NW 1/4, SW 1/4, SW 1/4, Sec. 22, T39N, R17W River Reach 10290109-080001			
MAILING ADDRESS 2060 Standing Rock Road	CITY Camdenton	STATE MO	ZIP CODE 65020
NAME OF OWNER OR MANAGER		TITLE OF OWNER OR MANAGER Owner	
LAW, REGULATION OR PERMIT VIOLATED Missouri Clean Water Law Section 644.076.1 and 644.051.1(3), RSMo.			
NATURE OF VIOLATION		DATE(S):	TIME(S):
Permittee failed to comply with effluent limits contained in Part "A" of the Missouri State Operating Permit number MO0113816. Permittee exceeded effluent limitations for Ammonia as N for the first quarter, January through March 2015.			
SIGNATURE (PERSON RECEIVING NOTICE) Sent Via US Mail		SIGNATURE (PERSON ISSUING NOTICE) Ronda Crabtree <i>Ronda Crabtree</i>	
TITLE OR POSITION		TITLE OR POSITION Technical Assistant / SWRO	

DISTRIBUTION: SOURCE CENTRAL OFFICE REGIONAL OFFICE



Jeremiah W. (Jay) Nixon, Governor

Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

dnr.mo.gov

July 16, 2015

LETTER OF WARNING

Oak Shadows Subdivision Homeowners Association, Inc.
1539 Hawk Island Drive
Osage Beach, MO 65065

Dear Permittee:

A compliance inspection of the Oak Shadows Wastewater Treatment Facility, located in Camden County, Missouri, was conducted on May 27, 2015. Enclosed is the Report of Inspection. I believe the report is self-explanatory and trust you will address any unsatisfactory features noted, as well as any recommendations contained therein. Please note, this Letter of Warning is official notification of violations of Missouri's Clean Water Law that were observed during the inspection or during the file review for the facility.

You are requested to submit a written response within 15 calendar days of the date of this report which addresses actions you have taken, or intend to take, to correct any of the compliance or operation and maintenance issues described. If you have any questions, please contact Mr. Troy Potteiger via mail in the Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912 or by calling 573-348-4103.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in black ink, appearing to read "Kevin Hess".

Kevin Hess, Chief
Water Pollution Section

KH/tpk

Enclosures

c: Mr. Ned Goss, Total Environmental Services

029.wpcp.OakShadows.mo0107336.x.2015.07.16.fy15.ins_low.x.tap.doc

UNSATISFACTORY FEATURES (continued)

4. The WWTF does not have warning signs stating "SEWAGE TREATMENT FACILITY - KEEP OUT" or similar language which is a violation of Missouri Clean Water Law 644.076.1, RSMo and Missouri Clean Water Commission Regulation 10 CSR 20-8.020(11)(C)11.G.

REQUIRED ACTION: Warning signs are needed to advise the general public of the risks of unauthorized entrance and to help limit the liability of the owner should a member of the general public suffer harm or death during an unauthorized visit. Install proper warning signs at the facility.

5. The following safety issues were identified during the inspection which is a violation of Missouri Clean Water Law 644.076.1, RSMo and Missouri Clean Water Commission 10 CSR20-8.140(8) and (9). The metal grates covering the plant were rusted through and need to be replaced.

REQUIRED ACTION: Please replace the metal grates that are now corroded to the point of being unsafe to walk on.

6. The facility did not have a proper outfall so that a sample of the effluent can be obtained at a point after the final treatment process and before discharge to or mixing with the receiving waters which is a violation of Missouri Clean Water Commission Regulation 10 CSR 20-8.020(11)(C)7.

REQUIRED ACTION: Modify the outfall to ensure that a sample of the treated discharge can be obtained following the final treatment process and before discharge to or mixing with the receiving waters.

SUBMITTED BY:



Troy Potteiger
Environmental Specialist
Lake of the Ozarks Satellite Office

REVIEWED BY:



Tina A. White, Chief
Water Pollution Inspection and Enforcement Unit
Southwest Regional Office

COMPLIANCE DETERMINATION

The facility was found to be in non-compliance with the Missouri Clean Water Law, the Clean Water Commission Regulations, and Missouri State Operating Permit MO-0107336, based upon the observations made at the time of the inspection.

UNSATISFACTORY FEATURES

1. Wastewater treatment facility outfalls were not clearly marked in the field as required by MSOP Special Condition #2. Failure to comply with MSOP Special Conditions is a violation of Missouri Clean Water Law Sections 644.076.1, RSMo.

REQUIRED ACTION: Clearly mark and maintain access to each outfall in the field with the correct MSOP outfall number. Clearly marking each outfall helps operators and government inspectors properly identify each sampling point. Each outfall should be identified so as to match the MSOP outfall number.

2. There is an excessive amount of sludge accumulated in the clarifier. This is commonly caused by a clogged return line or pump failure. Failure to properly operate and maintain the facility is a violation of Missouri Clean Water Law Sections 644.051.1 and 644.076.1, RSMo.

REQUIRED ACTION: Determine the cause of the excessive sludge accumulation in the clarifier and take corrective action.

3. The facility did not have two functional blower motors as required by Missouri Clean Water Commission Regulation 10 CSR 20-8.020(13)(B)6.E. Having two operational blower motors ensures the facility is able to continue treating wastewater when one of the blowers is out of service. It is essential that the WWTF be properly operated and maintained in good working order so that permit limits can be met under all conditions. This applies to backup equipment as well which provides extra capacity during high flow conditions and allows operation during the inevitable equipment failure and downtime for maintenance. Failure to operate and maintain the facility is a violation of Missouri Clean Water Law Sections 644.051.1(3) and 644.076.1, RSMo.

REQUIRED ACTION: Repair, replace or otherwise ensure that the facility has multiple blower units in operation so the maximum air demand of the facility can be met with the largest unit out of service.

MISSOURI DEPARTMENT OF NATURAL RESOURCES
REPORT OF INSPECTION
OAK SHADOWS WASTEWATER TREATMENT FACILITY
MISSOURI STATE OPERATING PERMIT NUMBER MO-0107336
CAMDEN COUNTY, MISSOURI

July 16, 2015

INTRODUCTION

A compliance inspection of the Oak Shadows Wastewater Treatment Facility (WWTF) in Camden County, Missouri, was conducted by Mr. Troy Potteiger of the Missouri Department of Natural Resources (department) Southwest Regional Office on May 27, 2015. No one was present representing the facility during the inspection.

The purpose of this inspection was to determine compliance with Missouri State Operating Permit (MSOP) MO-0107336, the Missouri Clean Water Commission Regulations, and Missouri Clean Water Law. This report presents the findings and observations made during the compliance inspection. Authority for this inspection is provided in Missouri Clean Water Law 644.026.1(21), RSMo.

FACILITY DESCRIPTION

The treatment facility is composed of extended aeration, secondary clarifier, aerated sludge holding tank, and chlorination. The system has a design flow capacity of 9,334 gallons per day. Sludge is disposed by contract hauler. Discharge from this facility flows into a tributary to Lake of the Ozarks. The facility has a design population equivalent of 77. The UTM 83 coordinates for this facility's outfall are E 0525913, N 4219980. The MSOP MO-0107336 was last issued on January 22, 2007, and expired on January 21, 2012. An application for renewal has been received by the department and is in the process of being renewed.

COMPLIANCE HISTORY

Our records indicate that the previous inspection of this facility was conducted by the department on April 14, 2010. The previous inspector noted the outfall was not marked, there wasn't a flow measurement devise, no warning signs or security fence were present, the metal grates were rusted through, potable water was not protected, and there were DMR violations.

During the office portion of the inspection I reviewed the facility's Annual Sludge Report and Discharge Monitoring Reports (DMR). The previous year's Form S Annual Sludge Report was received by the department. The DMRs submitted to this office from January 1, 2014 to May 27, 2015 reflect compliance with MSOP limits.

DISCUSSION OF INSPECTION

Prior to the inspection, I reviewed the files for Oak Shadows WWTF, including the permit conditions of MSOP MO-0107336, to familiarize myself with the requirements specific to this facility. The inspection was conducted during normal business hours. This was an unannounced inspection and no prior notification was provided to the facility.

Upon arriving at the facility I noted a security fence surrounding the facility, however warning signs were not posted. There was only one blower operational at the time of the inspection. Sludge was bulked up in the clarifier which could have been caused by a clogged return line in the secondary clarifier. I observed chlorine tablets in the chlorine applicator. A concrete retention basin followed the chlorine applicator. Several of the metal grates covering the walkways were rusted through and unsafe. I also noticed a lot of poison ivy growing all over the plant. The outfall was not clearly marked in the field. I could not locate a sample port to collect samples so they were collected from the discharge pipe that was located on a very steep hill leading to the creek. The creek was free of solids at the time of the inspection.

Mr. Ned Goss with Total Environmental Services stated the treatment plant was going to be turned over to Lake Area Wastewater Association in July so many of these issues would be addressed at that time.

Instruments were taken on the inspection that are capable of measuring pH, temperature, total residual chlorine, and dissolved oxygen. The results of the field measurements are as follows:

OUTFALL #001	
PARAMETER	RESULT
pH	7.58 s.u.
Temperature	20.5 °C
Total Residual Chlorine	.35 mg/L
Dissolved Oxygen	5.59 mg/L

Samples were taken during the inspection and sent for laboratory analysis. The results of the laboratory analysis are as follows:

PARAMETER	MSOP LIMIT	REPORTED RESULT
BOD ₅	30 mg/L Weekly Average 20 mg/L Monthly Average	13.7 mg/L
TSS	30 mg/L Weekly Average 20 g/L Monthly Average	*22 mg/L
E coli	630 #/100ml Daily Maximum 126 #/100ml Monthly Average	19.9 #/100ml

* - Denotes an exceedance of permitted effluent limits



Photo 1

Location: Oak Shadows WWTF
Photographer: Troy Potteiger
Photograph Date: May 27, 2015
Comments: WWTF

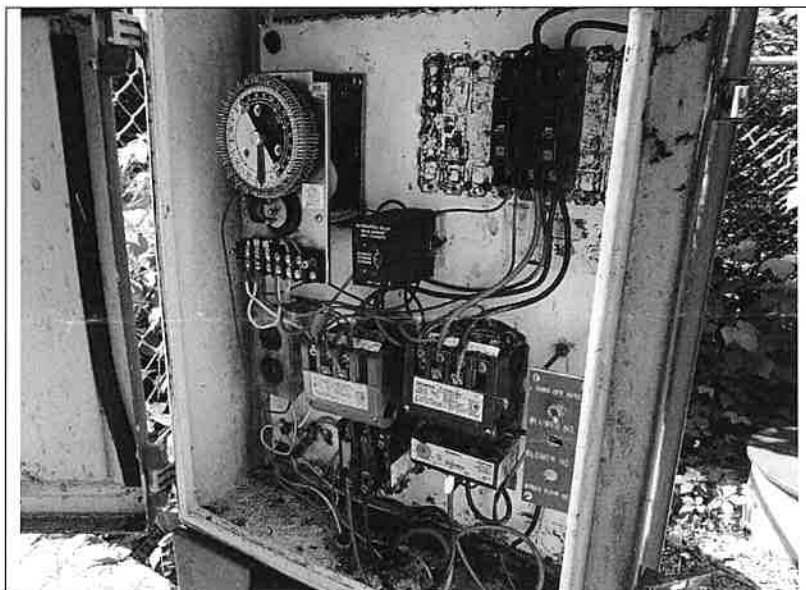


Photo 2

Location: Oak Shadows WWTF
Photographer: Troy Potteiger
Photograph Date: May 27, 2015
Comments: control panel

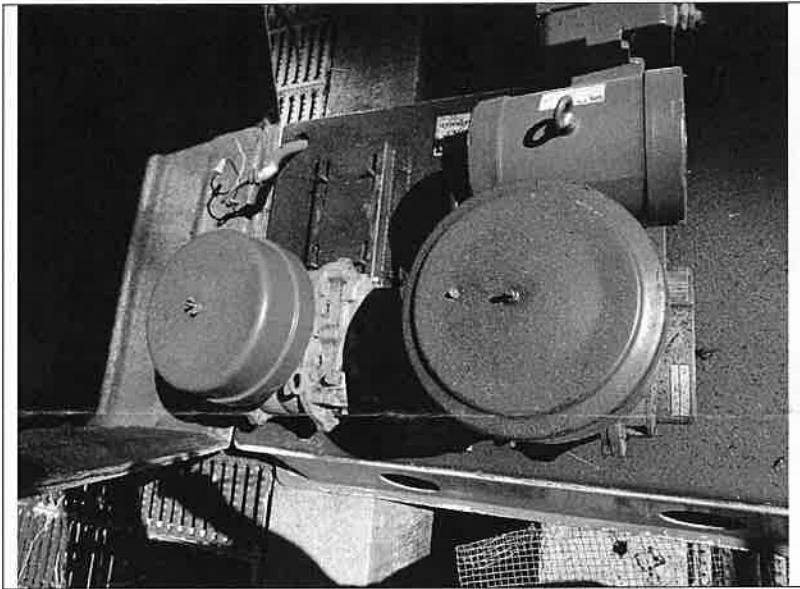


Photo 3

Location: Oak Shadows WWTF
Photographer: Troy Potteiger
Photograph Date: May 27, 2015
Comments: inoperable blower



Photo 4

Location: Oak Shadows WWTF
Photographer: Troy Potteiger
Photograph Date: May 27, 2015
Comments: aeration and return

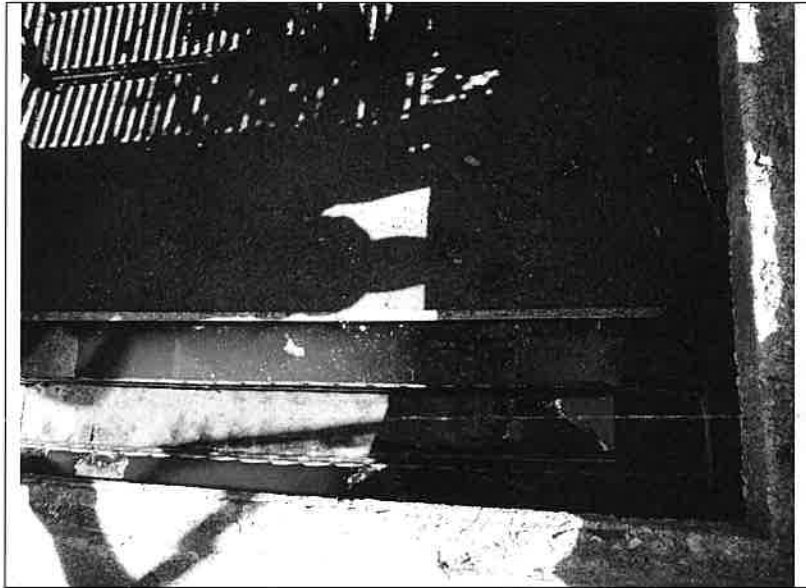


Photo 5

Location: Oak Shadows WWTF
Photographer: Troy Potteiger
Photograph Date: May 27, 2015
Comments: clarifier and weir, note the solids in the clarifier



Photo 6

Location: Oak Shadows WWTF
Photographer: Troy Potteiger
Photograph Date: May 27, 2015
Comments: chlorine applicator

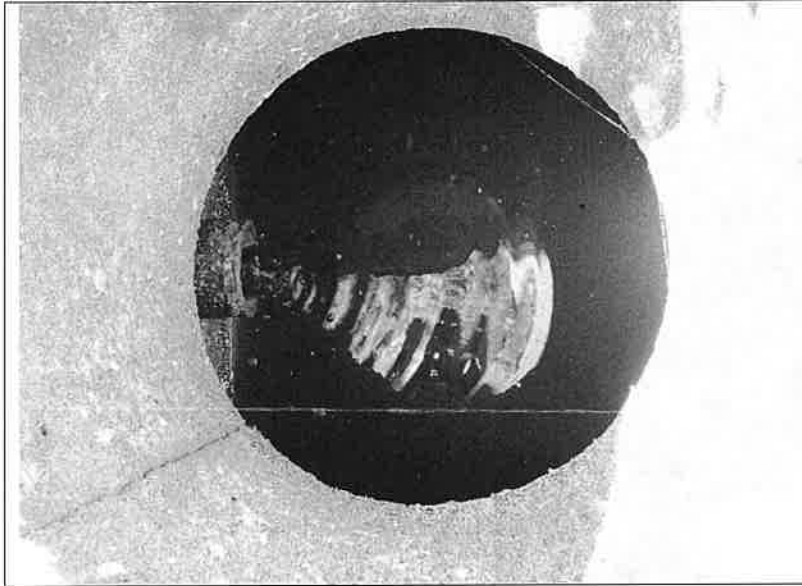


Photo 7

Location: Oak Shadows WWTF
Photographer: Troy Potteiger
Photograph Date: May 27, 2015
Comments: chlorine contact chamber

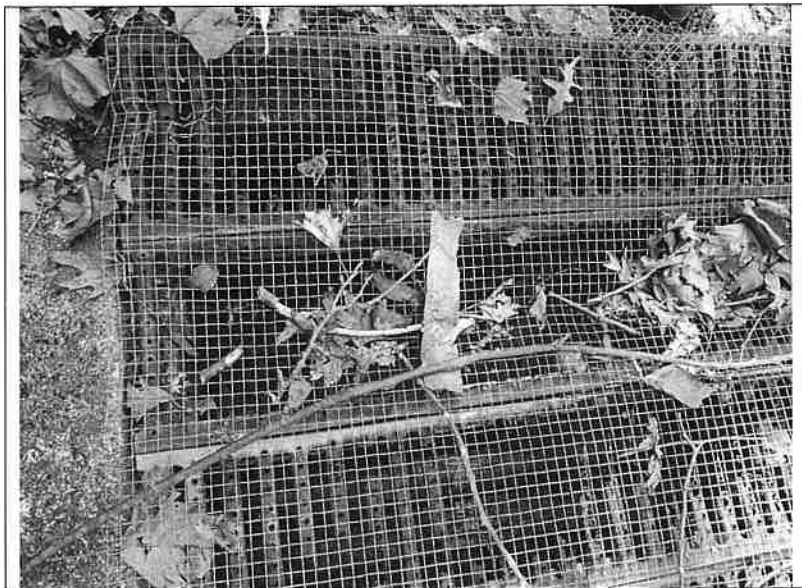


Photo 8

Location: Oak Shadows WWTF
Photographer: Troy Potteiger
Photograph Date: May 27, 2015
Comments: grates that are rusted though



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

PO Box 176 Jefferson City MO 65102-0176

Environmental Services Program
RESULTS OF SAMPLE ANALYSES

LDPR/Job Code:
 FEINS

Program, Contact:
 WPC Linda Mebruer




Order ID:
 150527005



Report Date:
 6/29/2015

Linda Mebruer
 Water Pollution Control Branch

Sample: AC51063		Facility ID: MO0107336	Customer #: 150125	
		Site: Oak Shadows WWTF	County: Camden	
Collect Date: 5/27/2015 10:20:00 AM		Collector: TROY POTEIGER	Affiliation: SWRO	
UTM Easting	Northing	Comments: Grab sample from WWTF effluent		
0525913E	4219980N			
Test	Parameter/Method	Result	Units	Qualifier(s)
Biochemical Oxygen Demand	Biochemical Oxygen Demand/SM 5210-B	13.7	mg/L	
E. coli - IDEXX	E. coli - IDEXX/SM 9223B	19.9	mpn/100ml	
Field Dissolved Oxygen	Field Dissolved Oxygen/SM 4500-O-G	5.59	mg/L	
Field pH	Field pH/EPA 150.1	7.58	pH Units	
Field Temperature	Field Temperature/EPA 170.1	20.5 C		
Total Suspended Solids (TSS) / NFR	Total Suspended Solids (TSS) / NFR/SM 2540-D	22.0	mg/L	

The analysis of this sample was performed in accordance with procedures approved or recognized by the U. S. Environmental Protection Agency.

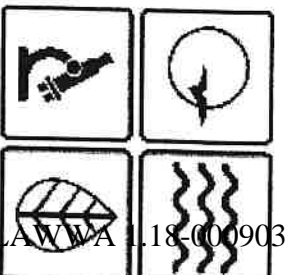
Chris Boldt

Chris Boldt, Laboratory Manager
 Environmental Services Program
 Division of Environmental Quality



Missouri Department of Natural Resources
Environmental Services Program

Order ID: 150527005 Program, Contact: WPC Linda Mebruer
Report Date: 06/29/2015 LDPR/JobCode: FEINS



Sample: AC51063



Customer #: 150125

UTM-Easting Northing
525913E 4219980N

Facility ID: MO0107336 Site: Oak Shadows WWTF
County: Camden Sample Reference ID:
Collector: TROY POTEIGER Affiliation: SWRO
Entry Point: Grab sample from WWTF effluent
Sample Comment: Precision

Collect Date: 5/27/2015 10:20:00AM

Parameter	Result	Qualifier	Units	Method
Biochemical Oxygen Demand	13.7		mg/L	SM 5210-B
E. coli - IDEXX	19.9		mpn/100ml	SM 9223B
Field Dissolved Oxygen	5.59		mg/L	SM 4500-O-G
Field pH	7.58		pH Units	EPA 150.1
Field Temperature	20.5 C			EPA 170.1
Total Suspended Solids (TSS) / NFR	22.0		mg/L	SM 2540-D

The analysis of this sample was performed in accordance with procedures approved or recognized by the U.S. Environmental Protection Agency.

Qualifier Descriptions

- 01 Improper collection method
- 02 Improper preservation
- 03 Exceeded holding time
- 04 Analyzed by Contract Laboratory
- 05 Estimated value, detected below PQL
- 06 Estimated value, QC data outside limits
- 07 Estimated value, analyte outside calibration range
- 08 Analyte present in blank at > 1/2 reported value
- 09 Sample was diluted during analysis
- 10 Laboratory error
- 11 Estimated value, matrix interference
- 12 Insufficient quantity
- 13 Estimated value, true result is >= reported value
- 14 Estimated value, non-homogeneous sample
- 15 No Result - Failed Quality Controls Requirements
- 16 Not analyzed - related analyte not detected
- 17 Results in dry weight
- 18 Sample pH is outside the acceptable range
- 19 Estimated value
- 20 Not analyzed - Instrument failure
- 21 No result - spectral interference
- 22 pH was performed at the Laboratory
- 23 Contract Lab specific qualifier - see sample comments
- 24 No result - matrix interference
- 25 No Result: Excessive Chlorination
- 26 No Result: Excessive Dechlorination
- 27 Sample temperature outside acceptable range
- 28 Headspace (air bubbles) present in sample vial
- 29 Estimated value, QC data biased low
- 30 Estimated value, QC data biased high
- ND Not detected at reported value

Chris Boldt

Chris Boldt, Laboratory Manager
Environmental Services Program
Division of Environmental Quality

RECEIVED

JUL 02 2015

DEQ/SWRO

15N527NNR



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

July 24, 2015

LETTER OF WARNING

Lake Area Wastewater Association, Inc.
515 Old South 5
Camdenton, MO 65065

Dear Permittee:

A compliance inspection of the St. Moritz Estates Condominiums Wastewater Treatment Facility, located in Camden County, Missouri, was conducted on June 11, 2015. Enclosed is the Report of Inspection. I believe the report is self-explanatory and trust you will address any unsatisfactory features noted, as well as any recommendations contained therein. Please note, this Letter of Warning is official notification of violations of Missouri's Clean Water Law that were observed during the inspection or during the file review for the facility.

You are requested to submit a written response within 30 calendar days of the date of this report which addresses actions you have taken, or intend to take, to correct any of the compliance or operation and maintenance issues described. If you have any questions, please contact Ms. Laura M. Gerson via mail in the Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912 or by calling 573-348-4028.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in blue ink, appearing to read "K. Hess".

Kevin Hess, Chief
Water Pollution Section

KH/lgk

Enclosures: Sample results

029.wpcp.StMoritzEstatesCondos.mo0094285.x.2015.07.24.fy15.ins_low.x.lmg.doc



LAWWA 1.18-000905

MISSOURI DEPARTMENT OF NATURAL RESOURCES
REPORT OF INSPECTION
ST. MORITZ ESTATES CONDOMINIUMS WASTEWATER TREATMENT FACILITY
MISSOURI STATE OPERATING PERMIT NUMBER MO0094285
CAMDEN COUNTY, MISSOURI

July 24, 2015

INTRODUCTION

A compliance inspection of the St. Moritz Estates Condominiums Wastewater Treatment Facility (WWTF) in Camden County, Missouri, was conducted by Ms. Laura M. Gerson of the Missouri Department of Natural Resources (department) Southwest Regional Office on June 11, 2015. Mr. Kirk Davis, Operator, was present representing the facility during the inspection.

The purpose of this inspection was to determine compliance with Missouri State Operating Permit (MSOP) MO0094285, the Missouri Clean Water Commission Regulations, and Missouri Clean Water Law. This report presents the findings and observations made during the compliance inspection. Authority for this inspection is provided in Missouri Clean Water Law 644.026.1(21), RSMo.

FACILITY DESCRIPTION

Two outfalls are included in this permit. Each treatment facility is composed of extended aeration, chlorination, and dechlorination. Sludge is disposed by contract hauler. Discharge from both outfalls flow into Lake of the Ozarks classified as a gaining setting. The MSOP MO0094285 was last issued on July 1, 2013, and expires on June 30, 2017.

Outfall Building 1 has a design flow capacity of 6,000 gallons per day and a design population equivalent of 48. The UTM 83 coordinates for this outfall are E 525736, N 4219083. Outfall Building 2 has a design flow capacity of 6,000 gallons per day and a design population equivalent of 60. The UTM 83 coordinates for this outfall are E 525867, N 4219216.

COMPLIANCE HISTORY

Our records indicate that the previous inspection of this facility was conducted by the department on October 6, 2009. This was an abbreviated inspection due to an initiative that focused on discharges entering Lake of the Ozarks. No samples were taken at either outfall. Both facilities were considered satisfactory at the time of the abbreviated inspection.

During the office portion of the inspection I reviewed the facility's Annual Sludge Report and Discharge Monitoring Reports (DMR). The previous year's Form S Annual Sludge Report was received by the department on January 12, 2015. The DMRs submitted to this office from First Quarter 2013 to the Second Quarter 2015 reflect compliance with MSOP limits for both permitted outfalls.

DISCUSSION OF INSPECTION

Prior to the inspection, I reviewed the files for St. Moritz Estates Condominiums WWTF, including the permit conditions of MSOP MO0094285, to familiarize myself with the requirements specific to this facility. The inspection was conducted during normal business hours. Prior notification of the inspection was provided to ensure access and all necessary documentation would be available during the inspection.

All-weather access is provided. Both outfall facilities are in locked buildings with warning signs on the door. Both had two operational blowers that were turned on by Mr. Davis during the inspection. The aeration basin for the Outfall 001 facility had a chocolate brown color (Photo 1), while the Outfall 002 facility had a gray color to it (Photo 4). Both had clarifiers that were free from solids. The Outfall 001 facility also had a clean weir. The weir for the Outfall 002 facility cannot be observed as it is covered from the walkway in the plant. Chlorination and dechlorination tablets were present at both facilities (Photos 2 and 5). Both outfalls are marked (Photos 3 and 6).

Instruments were taken on the inspection that are capable of measuring pH, temperature, total residual chlorine, and dissolved oxygen. The results of the field measurements are as follows:

	OUTFALL #001	OUTFALL #002
PARAMETER	RESULT	RESULT
pH	7.56 s.u.	7.85 s.u.
Temperature	24.3 °C	22.8 °C
Total Residual Chlorine	0.04 mg/L	0.07 mg/L
Dissolved Oxygen	5.68 mg/L	0.14 mg/L

Samples were collected during the inspection and sent for laboratory analysis. Sample results are enclosed.

COMPLIANCE DETERMINATION

The facility was found to be in non-compliance with the Missouri Clean Water Law, the Clean Water Commission Regulations, and Missouri State Operating Permit MO00135224, based upon the sample results taken during the course of the inspection.

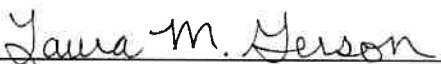
Report of Inspection
St. Moritz Estates Condominiums WWTF
July 24, 2015
Page 3

UNSATISFACTORY FEATURES

The Permittee failed to comply with the effluent limitations for total suspended solids contained in Part "A" of MSOP number MO0122033 promulgated by the Clean Water Commission under the Missouri Clean Water Law. Biochemical oxygen demand is a potential monthly violation if no additional samples have been taken in June. Failure to comply with these limits is a violation of Missouri Clean Water Law Sections 644.051.1(3) and 644.076.1, RSMo, and Missouri Clean Water Commission Regulation 10 CSR 20-7.015.

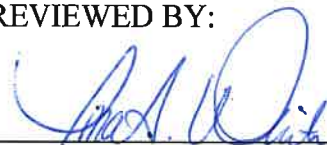
REQUIRED ACTION: The facility shall submit a written statement **within 15 days of the date of this report**, explaining what actions have been or will be taken to correct the issue and prevent a reoccurrence in the future.

SUBMITTED BY:



Laura M. Gerson
Environmental Specialist
Southwest Regional Office

REVIEWED BY:



Tina A. White, Chief
Water Pollution Inspection and Enforcement Unit
Southwest Regional Office



Photo 1

Location: St. Moritz Estates Condominiums WWTF
Photographer: Laura M. Gerson
Photograph Date: June 11, 2015
Comments: Aeration for facility 001. Water is dark brown in color.

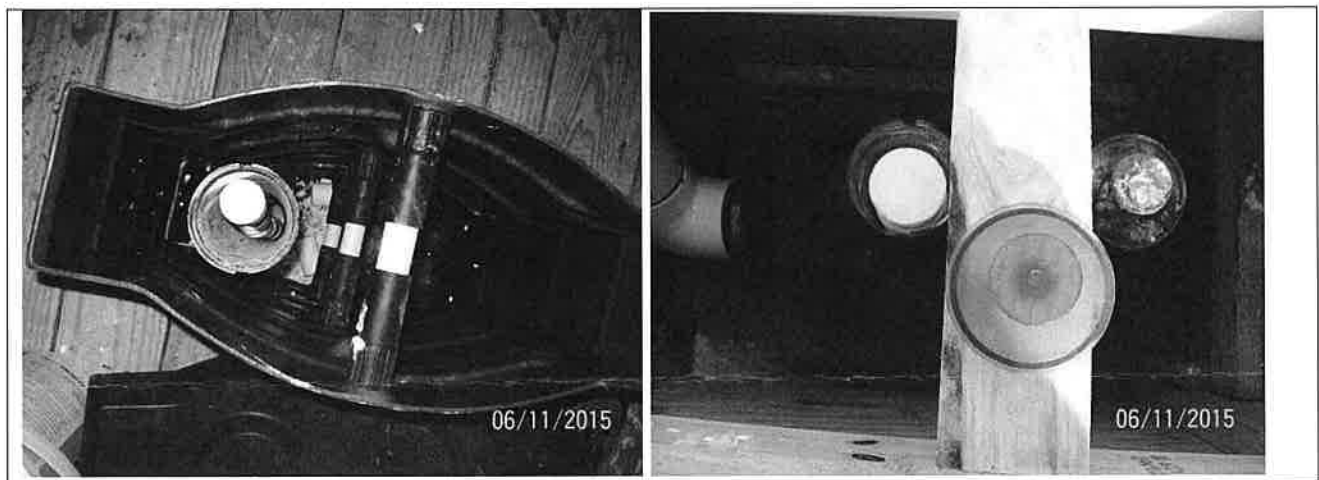


Photo 2a

Photo 2b

Location: St. Moritz Estates Condominiums WWTF
Photographer: Laura M. Gerson
Photograph Date: June 11, 2015
Comments: Chlorination and dechlor for facility 001.



Photo 3

Location: St. Moritz Estates Condominiums WWTF
Photographer: Laura M. Gerson
Photograph Date: June 11, 2015
Comments: Outfall 001.

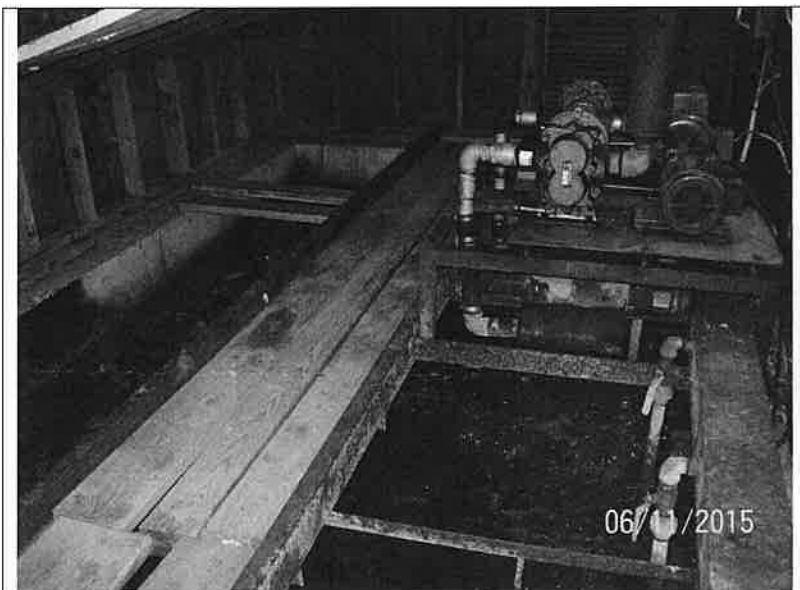


Photo 4

Location: St. Moritz Estates Condominiums WWTF
Photographer: Laura M. Gerson
Photograph Date: June 11, 2015
Comments: Aeration for facility 002. Water is a gray color.



Photo 5a



Photo 5b

Location: St. Moritz Estates Condominiums WWTF
Photographer: Laura M. Gerson
Photograph Date: June 11, 2015
Comments: Chlorination and dechlorination for outfall 002.



Photo 6

Location: St. Moritz Estates Condominiums WWTF
Photographer: Laura M. Gerson
Photograph Date: June 11, 2015
Comments: Outfall 002.

Sludge handling checklist for wastewater treatment facilities

Facility Name: St. Moritz Estates Condominiums	MSOP #: MO0094285		
Issue to be addressed	Options		Not Inspected
What method (land application, incineration, landfill, etc) is used for sludge management?			X
	Date		
How often is sludge removed from the facility?	As needed		<input type="checkbox"/>
When was the last time sludge was removed?			X
	Yes	No	Not Inspected
Has the Form S annual report been submitted?	X	<input type="checkbox"/>	<input type="checkbox"/>
Have the applicable additional sections been submitted? (If not, please describe deficiencies below in the comments field)	<input type="checkbox"/>	<input type="checkbox"/>	X
Is the form filled out correctly? (If not, please describe deficiencies below in the comments field)	<input type="checkbox"/>	<input type="checkbox"/>	X
Is the monitoring frequency for metals, pathogens and vectors (WQ 423) being met?	<input type="checkbox"/>	<input type="checkbox"/>	X
Are the requirements for pathogens and vector attraction (WQ 424) being met?	<input type="checkbox"/>	<input type="checkbox"/>	X
Are land applied biosolids below the ceiling concentration for metals (WQ 425)?	<input type="checkbox"/>	<input type="checkbox"/>	X
Are the nitrogen, soil pH and soil phosphorus limitations (WQ426) being met?	<input type="checkbox"/>	<input type="checkbox"/>	X
Other Comments:			
Received by the department on January 12, 2015.			



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

PO Box 176 Jefferson City MO 65102-0176

Environmental Services Program
RESULTS OF SAMPLE ANALYSES

LDPR/Job Code:
FEINS

Program, Contact:
WPC Linda Mebruer



Order ID:
150612013

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JUL 02 2015



Report Date:
7/1/2015

Linda Mebruer
Water Pollution Control Branch

DEQ/SWRO

Sample: AC53815		Facility ID: MO0094285	Customer #: 150190		
		Site: St. Moritz Estates Condos	County: Camden		
Collect Date: 6/11/2015 8:40:00 AM		Collector: LAURA GERSON	Affiliation: SWRO		
UTM Easting	Northing	Comments: Grab: Sample port, outfall 001			
525736E	4219083N				
Test	Parameter/Method	Result	Units	Qualifier(s)	
Ammonia as N	Ammonia as N/L 10-107-06-1-J	0.17	mg/L		
Biochemical Oxygen Demand	Biochemical Oxygen Demand/SM 5210-B	4.82	mg/L		
E. coli - IDEXX	E. coli - IDEXX/SM 9223B	<1	mpn/100ml	ND	
Field Dissolved Oxygen	Field Dissolved Oxygen/SM 4500-O-G	5.68	mg/L		
Field pH	Field pH/EPA 150.1	7.56	pH Units		
Field Temperature	Field Temperature/EPA 170.1	24.3 C			
Total Residual Chlorine	Total Residual Chlorine/Field Dependent	0.04	mg/L		
Total Suspended Solids (TSS) / NFR	Total Suspended Solids (TSS) / NFR/SM 2540-D	<5	mg/L	ND	
Sample: AC53816		Facility ID: MO0094285	Customer #: 150186		
		Site: St. Moritz Estates Condos	County: Camden		
Collect Date: 6/11/2015 9:20:00 AM		Collector: LAURA GERSON	Affiliation: SWRO		
UTM Easting	Northing	Comments: Grab: Sample port, outfall 002			
525867E	4219216N				
Test	Parameter/Method	Result	Units	Qualifier(s)	
Ammonia as N	Ammonia as N/L 10-107-06-1-J	1.00	mg/L		
Biochemical Oxygen Demand	Biochemical Oxygen Demand/SM 5210-B	23.5	mg/L		
E. coli - IDEXX	E. coli - IDEXX/SM 9223B	35.0	mpn/100ml		
Field Dissolved Oxygen	Field Dissolved Oxygen/SM 4500-O-G	0.14	mg/L		
Field pH	Field pH/EPA 150.1	7.85	pH Units		
Field Temperature	Field Temperature/EPA 170.1	22.8 C			
Total Residual Chlorine	Total Residual Chlorine/Field Dependent	0.07	mg/L		
Total Suspended Solids (TSS) / NFR	Total Suspended Solids (TSS) / NFR/SM 2540-D	110.0	mg/L		

The analysis of this sample was performed in accordance with procedures approved or recognized by the U. S. Environmental Protection Agency.

Data Qualifier(s)

ND Not detected at reported value

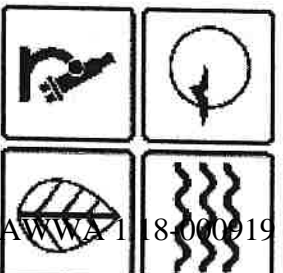
Chris Boldt

Chris Boldt, Laboratory Manager
Environmental Services Program
Division of Environmental Quality



Missouri Department of Natural Resources
Environmental Services Program

Order ID: 150612013 Program, Contact: WPC Linda Mebruer
Report Date: 07/01/2015 LDPR/JobCode: FEINS



LAWWA18-00019

Sample: AC53815
Customer #: 150190

UTM-Easting: 25736E
Northing: 4219083N

Facility ID: MO0094285 Site: St. Moritz Estates Condos
County: Camden Sample Reference ID:
Collector: LAURA GERSON Affiliation: SWRO
Entry Point: Precision
Sample Comment: Grab: Sample port, outfall 001
RECEIVED
JUL 06 2015
DEQ/SWRO

Parameter	Result	Qualifier	Units	Method
Ammonia as N	0.17		mg/L	L 10-107-06-1-J
Biochemical Oxygen Demand	4.82		mg/L	SM 5210-B
E. coli - IDEXX	<1	ND	mpn/100ml	SM 9223B
Field Dissolved Oxygen	5.68		mg/L	SM 4500-O-G
Field pH	7.56		pH Units	EPA 150.1
Field Temperature	24.3 C			EPA 170.1
Total Residual Chlorine	0.04		mg/L	Field Dependent
Total Suspended Solids (TSS) / NFR	<5	ND	mg/L	SM 2540-D

Sample: AC53816
Customer #: 150186
ITM-Easting: 5867E
Northing: 4219216N
Facility ID: MO0094285 Site: St. Moritz Estates Condos
County: Camden Sample Reference ID:
Collector: LAURA GERSON Affiliation: SWRO
Entry Point: Precision
Sample Comment: Grab: Sample port, outfall 002
Collect Date: 6/11/2015 9:20:00AM

Parameter	Result	Qualifier	Units	Method
Ammonia as N	1.00		mg/L	L 10-107-06-1-J
Biochemical Oxygen Demand	23.5		mg/L	SM 5210-B
E. coli - IDEXX	35.0		mpn/100ml	SM 9223B
Field Dissolved Oxygen	0.14		mg/L	SM 4500-O-G
Field pH	7.85		pH Units	EPA 150.1
Field Temperature	22.8 C			EPA 170.1
Total Residual Chlorine	0.07		mg/L	Field Dependent
Total Suspended Solids (TSS) / NFR	110.0		mg/L	SM 2540-D

The analysis of this sample was performed in accordance with procedures approved or recognized by the U.S Environmental Protection Agency.



Chris Boldt, Laboratory Manager
Environmental Services Program
Division of Environmental Quality

Qualifier Descriptions

- 01 Improper collection method
- 03 Exceeded holding time
- 05 Estimated value, detected below PQL
- 07 Estimated value, analyte outside calibration range
- 09 Sample was diluted during analysis
- 11 Estimated value, matrix interference
- 13 Estimated value, true result is >= reported value
- 15 No Result - Failed Quality Controls Requirements
- 17 Results in dry weight
- 19 Estimated value
- 21 No result - spectral interference
- 23 Contract Lab specific qualifier - see sample comments
- 25 No Result: Excessive Chlorination
- 27 Sample temperature outside acceptable range
- 29 Estimated value, QC data biased low
- ND Not detected at reported value
- 02 Improper preservation
- 04 Analyzed by Contract Laboratory
- 06 Estimated value, QC data outside limits
- 08 Analyte present in blank at > 1/2 reported value
- 10 Laboratory error
- 12 Insufficient quantity
- 14 Estimated value, non-homogeneous sample
- 16 Not analyzed - related analyte not detected
- 18 Sample pH is outside the acceptable range
- 20 Not analyzed - Instrument failure
- 22 pH was performed at the Laboratory
- 24 No result - matrix interference
- 26 No Result: Excessive Dechlorination
- 28 Headspace (air bubbles) present in sample vial
- 30 Estimated value, QC data biased high



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

PO Box 176 Jefferson City MO 65102-0176

Environmental Services Program
RESULTS OF SAMPLE ANALYSES

LDPR/Job Code:
 FEINS

Program, Contact:
 WPC Linda Mebruer



Linda Mebruer
 Water Pollution Control Branch

RECEIVED

JUL 02 2015

DEQ/SWRO

Order ID:
 150612013



Report Date:
 7/1/2015

Sample: AC53815		Facility ID: MO0094285	Customer #: 150190		
		Site: St. Moritz Estates Condos	County: Camden		
Collect Date: 6/11/2015 8:40:00 AM		Collector: LAURA GERSON	Affiliation: SWRO		
UTM Easting	Northing	Comments: Grab: Sample port, outfall 001			
525736E	4219083N				
Test	Parameter/Method	Result	Units	Qualifier(s)	
Ammonia as N	Ammonia as N/L 10-107-06-1-J	0.17	mg/L		
Biochemical Oxygen Demand	Biochemical Oxygen Demand/SM 5210-B	4.82	mg/L		
E. coli - IDEXX	E. coli - IDEXX/SM 9223B	<1	mpn/100ml	ND	
Field Dissolved Oxygen	Field Dissolved Oxygen/SM 4500-O-G	5.68	mg/L		
Field pH	Field pH/EPA 150.1	7.56	pH Units		
Field Temperature	Field Temperature/EPA 170.1	24.3 C			
Total Residual Chlorine	Total Residual Chlorine/Field Dependent	0.04	mg/L		
Total Suspended Solids (TSS) / NFR	Total Suspended Solids (TSS) / NFR/SM 2540-D	<5	mg/L	ND	
Sample: AC53816		Facility ID: MO0094285	Customer #: 150186		
		Site: St. Moritz Estates Condos	County: Camden		
Collect Date: 6/11/2015 9:20:00 AM		Collector: LAURA GERSON	Affiliation: SWRO		
UTM Easting	Northing	Comments: Grab: Sample port, outfall 002			
525867E	4219216N				
Test	Parameter/Method	Result	Units	Qualifier(s)	
Ammonia as N	Ammonia as N/L 10-107-06-1-J	1.00	mg/L		
Biochemical Oxygen Demand	Biochemical Oxygen Demand/SM 5210-B	23.5	mg/L		
E. coli - IDEXX	E. coli - IDEXX/SM 9223B	35.0	mpn/100ml		
Field Dissolved Oxygen	Field Dissolved Oxygen/SM 4500-O-G	0.14	mg/L		
Field pH	Field pH/EPA 150.1	7.85	pH Units		
Field Temperature	Field Temperature/EPA 170.1	22.8 C			
Total Residual Chlorine	Total Residual Chlorine/Field Dependent	0.07	mg/L		
Total Suspended Solids (TSS) / NFR	Total Suspended Solids (TSS) / NFR/SM 2540-D	110.0	mg/L		

The analysis of this sample was performed in accordance with procedures approved or recognized by the U. S. Environmental Protection Agency.

Data Qualifier(s)

ND Not detected at reported value

Chris Boldt

Chris Boldt, Laboratory Manager
Environmental Services Program
Division of Environmental Quality

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

www.dnr.mo.gov

October 23, 2015

Lake Area Wastewater Association
Evergreens Condominiums
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT # **MO0117765**

Dear Permittee:

In reviewing the file for your wastewater or stormwater facility I note that you have failed to submit the Discharge Monitoring Report (DMR) for the month of **August 2015** required by your Missouri State Operating Permit (MSOP). Your report is due in our office no later than day 28 of the month following the report period.

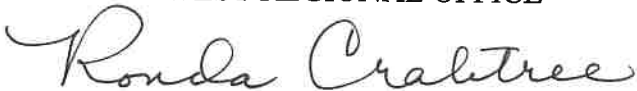
A completed monitoring report with the required information, or letter identifying the reasons for the violations and corrective actions you have taken or will take to prevent a reoccurrence of the violation, should be submitted to this office **within fifteen (15) days**.

The Department of Natural Resources (department) monitors and tracks instances of noncompliance related to DMRs. All facilities that are significantly noncompliant are reported to the Environmental Protection Agency and the department then takes action to ensure their return to compliance. It is the policy of this office to require facilities with a history of noncompliance to sign a Schedule of Compliance that outlines corrective measures to be taken within a specified time period. You are encouraged to take appropriate steps to eliminate the current violation.

If you have questions please contact me by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE



Ronda Crabtree
Technical Assistant

RYC/kb

029.wpcp.EvergreenCondos.mo0117765.x.2015.10.23.fy16.dmr.x.ryc



LAWWA 1.18-000923



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

October 23, 2015

Lake Area Wastewater Association
Falls Condominiums
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT # **MO0103969**

Dear Permittee:

In reviewing the file for your wastewater or stormwater facility I note that you have failed to submit the Discharge Monitoring Report (DMR) for the month of **August 2015** required by your Missouri State Operating Permit (MSOP). Your report is due in our office no later than day 28 of the month following the report period.

A completed monitoring report with the required information, or letter identifying the reasons for the violations and corrective actions you have taken or will take to prevent a reoccurrence of the violation, should be submitted to this office **within fifteen (15) days**.

The Department of Natural Resources (department) monitors and tracks instances of noncompliance related to DMRs. All facilities that are significantly noncompliant are reported to the Environmental Protection Agency and the department then takes action to ensure their return to compliance. It is the policy of this office to require facilities with a history of noncompliance to sign a Schedule of Compliance that outlines corrective measures to be taken within a specified time period. You are encouraged to take appropriate steps to eliminate the current violation.

If you have questions please contact me by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in cursive script that reads "Ronda Crabtree".

Ronda Crabtree
Technical Assistant

RYC/kb

029.wpcp.FallCondos.mo0103969.x.2015.10.23.fy16.dmr.x.ryc



LAWWA 1.18-000924



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

www.dnr.mo.gov

October 23, 2015

Lake Area Wastewater Association
Knolls Resort Condominium
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT # **MO0099040**

Dear Permittee:

In reviewing the file for your wastewater or stormwater facility I note that you have failed to submit the Discharge Monitoring Report (DMR) for the month of **August 2015** required by your Missouri State Operating Permit (MSOP). Your report is due in our office no later than day 28 of the month following the report period.

A completed monitoring report with the required information, or letter identifying the reasons for the violations and corrective actions you have taken or will take to prevent a reoccurrence of the violation, should be submitted to this office **within fifteen (15) days**.

The Department of Natural Resources (department) monitors and tracks instances of noncompliance related to DMRs. All facilities that are significantly noncompliant are reported to the Environmental Protection Agency and the department then takes action to ensure their return to compliance. It is the policy of this office to require facilities with a history of noncompliance to sign a Schedule of Compliance that outlines corrective measures to be taken within a specified time period. You are encouraged to take appropriate steps to eliminate the current violation.

If you have questions please contact me by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE



Ronda Crabtree
Technical Assistant

RYC/kb

029.wpcp.KnollsResortCondos.mo0099040.x.2015.10.23.fy16.dmr.x.ryc



LAWWA 1.18-000925



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

October 23, 2015

Lake Area Wastewater Association
Park Place On The Lake Condominiums
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT # **MO0117595**

Dear Permittee:

In reviewing the file for your wastewater or stormwater facility I note that you have failed to submit the Discharge Monitoring Report (DMR) for the month of **August 2015** required by your Missouri State Operating Permit (MSOP). Your report is due in our office no later than day 28 of the month following the report period.

A completed monitoring report with the required information, or letter identifying the reasons for the violations and corrective actions you have taken or will take to prevent a reoccurrence of the violation, should be submitted to this office **within fifteen (15) days**.

The Department of Natural Resources (department) monitors and tracks instances of noncompliance related to DMRs. All facilities that are significantly noncompliant are reported to the Environmental Protection Agency and the department then takes action to ensure their return to compliance. It is the policy of this office to require facilities with a history of noncompliance to sign a Schedule of Compliance that outlines corrective measures to be taken within a specified time period. You are encouraged to take appropriate steps to eliminate the current violation.

If you have questions please contact me by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in blue ink that reads "Ronda Crabtree".

Ronda Crabtree
Technical Assistant

RYC/kb

029.wpcp.ParkPlaceOnTheLakeCondos.mo0117595.x.2015.10.23.fy16.dmr.x.ryc



LAWWA 1.18-000926



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

October 23, 2015

Lake Area Wastewater Association
Seven Trails Subdivision
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT # **MO0121142**

Dear Permittee:

In reviewing the file for your wastewater or stormwater facility I note that you have failed to submit the Discharge Monitoring Report (DMR) for the month of **August 2015** required by your Missouri State Operating Permit (MSOP). Your report is due in our office no later than day 28 of the month following the report period.

A completed monitoring report with the required information, or letter identifying the reasons for the violations and corrective actions you have taken or will take to prevent a reoccurrence of the violation, should be submitted to this office **within fifteen (15) days**.

The Department of Natural Resources (department) monitors and tracks instances of noncompliance related to DMRs. All facilities that are significantly noncompliant are reported to the Environmental Protection Agency and the department then takes action to ensure their return to compliance. It is the policy of this office to require facilities with a history of noncompliance to sign a Schedule of Compliance that outlines corrective measures to be taken within a specified time period. You are encouraged to take appropriate steps to eliminate the current violation.

If you have questions please contact me by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in cursive script that reads "Ronda Crabtree".

Ronda Crabtree
Technical Assistant

RYC/kb

029.wpcp.SevenTrailsSubd.mo0121142.x.2015.10.23.fy16.dmr.x.ryc



LAWWA 1.18-000927

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

www.dnr.mo.gov

October 23, 2015

Lake Area Wastewater Association
Osage Heritage Condominiums
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT # **MO0095044**

Dear Permittee:

In reviewing the file for your wastewater or stormwater facility I note that you have failed to submit the Discharge Monitoring Report (DMR) for the month of **August 2015** required by your Missouri State Operating Permit (MSOP). Your report is due in our office no later than day 28 of the month following the report period.

A completed monitoring report with the required information, or letter identifying the reasons for the violations and corrective actions you have taken or will take to prevent a reoccurrence of the violation, should be submitted to this office **within fifteen (15) days**.

The Department of Natural Resources (department) monitors and tracks instances of noncompliance related to DMRs. All facilities that are significantly noncompliant are reported to the Environmental Protection Agency and the department then takes action to ensure their return to compliance. It is the policy of this office to require facilities with a history of noncompliance to sign a Schedule of Compliance that outlines corrective measures to be taken within a specified time period. You are encouraged to take appropriate steps to eliminate the current violation.

If you have questions please contact me by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE



Ronda Crabtree
Technical Assistant

RYC/kb

029.wpcp.OsageHeritageCondos.mo0095044.x.2015.10.23.fy16.dmr.x.ryc



LAWWA 1.18-000928



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

November 30, 2015

LETTER OF WARNING

Hawk Island Estates Property Owners Association
1395 Hawk Island Drive
Osage Beach, MO 65065

RE: MISSOURI STATE OPERATING PERMIT NUMBER MO0099554

Dear Permittee:

A review of your Discharge Monitoring Report(s) (DMR) for the monitoring period ending in the **third quarter, July through September 2015** shows that the effluent limitations established in your Missouri State Operating Permit (MSOP) have been exceeded. The effluent limits and the values that have exceeded those effluent limits are listed below.

Outfall	Months	Parameter	Permit Limitations	Reported Values
001	7-9/15	<i>E.coli</i>	126 MPN/100 mL monthly average	133 MPN/100 mL

An exceedance of the effluent limitations established in your permit is a violation of the Missouri Clean Water Law, Section 644.051.1(3) and 644.076.1, Clean Water Commission Regulation 10 CSR 20-7 and your MSOP. The facility is responsible for taking appropriate steps to eliminate the violation(s).

Please provide a written response **within 30 calendar days of receipt of this letter** to the Department of Natural Resources which explains the reason(s) for the noncompliance and what steps your operation has taken or will take to prevent a reoccurrence of the violation(s). The facility will be considered in noncompliance with the violation(s) and our files will reflect the continued noncompliance until the documentation is submitted to this office. If you have already provided this information to the department, you may disregard this request.



Handwritten red mark, possibly initials.

COPIES

Hawk Island Estates
November 30, 2015
Page 2

We appreciate your cooperation and immediate attention so that violations can be corrected. If you have questions please contact water pollution staff by calling 417-891-4300 or via mail at Missouri Department of Natural Resources, Southwest Regional Office, 2040 W. Woodland, Springfield, MO 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

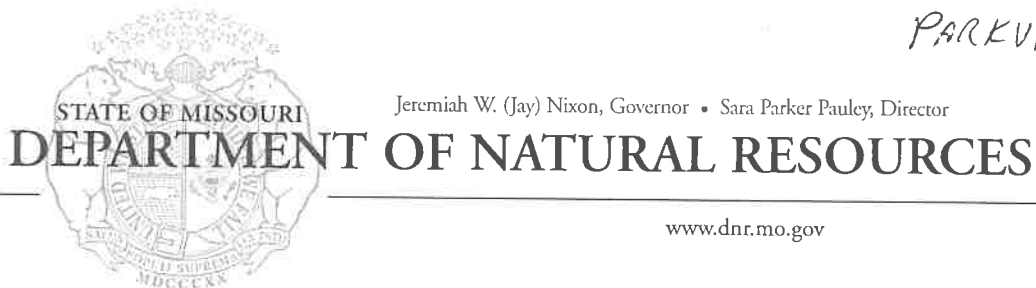


Kevin Hess, Chief
Water Pollution Section

KH/rck

029.wpcp.HawkIslandEstates.mo0099554.x.2015.11.30.fy16.low.x.ryc.doc

FILE COPY
PARKVIEW



November 30, 2015

LETTER OF WARNING

Lake Area Wastewater Assoc.
Parkview Subdivision
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT NUMBER MO0099783

Dear Permittee:

A review of your Discharge Monitoring Report(s) (DMR) for the monitoring period ending in the **third quarter, July through September 2015** shows that the effluent limitations established in your Missouri State Operating Permit (MSOP) have been exceeded. The effluent limits and the values that have exceeded those effluent limits are listed below.

Outfall	Months	Parameter	Permit Limitations	Reported Values
001	7-9/15	<i>E. coli</i>	126 MPN/100 mL monthly average	137 MPN/100 mL

An exceedance of the effluent limitations established in your permit is a violation of the Missouri Clean Water Law, Section 644.051.1(3) and 644.076.1, Clean Water Commission Regulation 10 CSR 20-7 and your MSOP. The facility is responsible for taking appropriate steps to eliminate the violation(s).

Please provide a written response **within 30 calendar days of receipt of this letter** to the Department of Natural Resources which explains the reason(s) for the noncompliance and what steps your operation has taken or will take to prevent a reoccurrence of the violation(s). The facility will be considered in noncompliance with the violation(s) and our files will reflect the continued noncompliance until the documentation is submitted to this office. If you have already provided this information to the department, you may disregard this request.



Parkview Subdivision
November 30, 2015
Page 2

We appreciate your cooperation and immediate attention so that violations can be corrected. If you have questions please contact water pollution staff by calling 417-891-4300 or via mail at Missouri Department of Natural Resources, Southwest Regional Office, 2040 W. Woodland, Springfield, MO 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in blue ink, appearing to read "K. Hess".

Kevin Hess, Chief
Water Pollution Section

KH/rck

COPY



Jeremiah W. (Jay) Nixon, Governor

Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

dnr.mo.gov

November 30, 2015

Lake Area Wastewater Assoc.
Serenity Bay Subdivision
515 Old South 5
Camdenton, MO 65020

RE: MISSOURI STATE OPERATING PERMIT # MO0111201

Dear Permittee:

In reviewing the file for your wastewater or stormwater facility I note that you have failed to submit the Discharge Monitoring Report (DMR) for the third quarter from July through September 2015 required by your Missouri State Operating Permit (MSOP). Your report is due in our office no later than day 28 of the month following the report period.

A completed monitoring report with the required information should be submitted to this agency within five (5) days from the date of this letter or in writing within 15 calendar days of receipt of this letter, identify the reasons for the violations and corrective actions you have taken or will take.

The Department of Natural Resources (department) monitors and tracks instances of noncompliance related to DMRs. All facilities that are significantly noncompliant are reported to the Environmental Protection Agency and the department then takes action to ensure their return to compliance. It is the policy of this office to require facilities with a history of noncompliance to sign a Schedule of Compliance that outlines corrective measures to be taken within a specified time period. You are encouraged to take appropriate steps to eliminate the current violation.

If you have questions please contact me by calling 417-891-4300 or via mail at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in cursive script that reads "Ronda Crabtree".

Ronda Crabtree
Technical Assistant

RYC/lkc

c: Serenity Bay Subdivision, 2 Serenity Bay Drive, Linn Drive, MO 65052

029.wpcp.SerenityBaySubd.mo0111201.x.2015.11.30.fy16.dmr.x.ryc



LAWWA 1.18-000933



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

January 29, 2016

Lake Area Wastewater Association, Inc.
PO Box 510
Osage Beach, MO 65065

Dear Permittee:

Missouri State Operating Permit (MSOP) MO0103969 was issued to Lake Area Wastewater Association, Inc. for the Falls Condominiums in Camden County. This permit sets forth specific effluent limitations, monitoring requirements, and specific permit conditions regarding the facility.

Review of your Discharge Monitoring Report(s) for **the monitoring period ending in October 2015** shows that the effluent limitations established in your MSOP have been exceeded. The effluent limits and the values that have exceeded those effluent limits are listed on the enclosed Discharge Monitoring Report Exceedance List.

An exceedance of the effluent limitations established in your permit is a violation of the Missouri Clean Water Law (MCWL), Sections 644.051.1(3) and 644.076.1; Clean Water Commission Regulations 10 CSR 20-7; and your MSOP. It is the department's expectation that you will take the necessary steps to ensure future compliance.

By March 02, 2016, please submit a written response to the address below which explains the reason(s) for the non-compliance and what steps you have taken or will take to prevent further violation(s) of the MCWL.

As always, the department is willing to meet with you to discuss the violation(s) and the actions necessary to bring your facility into compliance. If you would like to schedule a meeting or have questions, please contact water pollution staff, at (417) 891-4300, by mail at 2040 W. Woodland, Springfield, MO 65807-5912, or by email at ronda.crabtree@dnr.mo.gov.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in blue ink, appearing to read "Kevin Hess".

Kevin Hess, Chief
Water Pollution Section

KH/rck

Enclosure: Discharge Monitoring Report Exceedance List



Falls Condominiums
January 29, 2016

DISCHARGE MONITORING REPORT EXCEEDANCE LIST

Outfall	Monitoring End Date	Parameter	Units	Permit Limitations	Reported Values
001	10/31/2015	Total Suspended Solids (TSS)	mg/L	20 - Monthly Avg.	22

029.wpcp.FallsCondominiums.mo0103969.x.2016.01.29.fy16.dmrexc.ryc



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LTR SENT TO DNR
30 MAR 2016



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

February 22, 2016

Lake Area Wastewater Association
515 Old South 5
Camdenton, MO 65020

Dear Permittee:

Missouri State Operating Permit (MSOP) MO0117765 was issued to Lake Area Wastewater Association for the Evergreens Condominiums in Camden County. This permit sets forth specific effluent limitations, monitoring requirements, and specific permit conditions regarding the facility.

Review of your Discharge Monitoring Report(s) for the **monitoring period ending in November 2015** shows that the effluent limitations established in your MSOP have been exceeded. The effluent limits and the values that have exceeded those effluent limits are listed on the enclosed Discharge Monitoring Report Exceedance List.

An exceedance of the effluent limitations established in your permit is a violation of the Missouri Clean Water Law (MCWL), Sections 644.051.1(3) and 644.076.1; Clean Water Commission Regulations 10 CSR 20-7; and your MSOP. It is the department's expectation that you will take the necessary steps to ensure future compliance.

By March 26, 2016, please submit a written response to the address below which explains the reason(s) for the noncompliance and what steps you have taken or will take to prevent further violation(s) of the MCWL.

As always, the department is willing to meet with you to discuss the violation(s) and the actions necessary to bring your facility into compliance. If you would like to schedule a meeting or have questions, please contact water pollution staff at (417) 891-4300, by mail at 2040 W. Woodland, Springfield, MO 65807-5912, or by email at ronda.crabtree@dnr.mo.gov.

Sincerely,

SOUTHWEST REGIONAL OFFICE

Kevin Hess, Chief
Water Pollution Section

KH/rck

Enclosure: Discharge Monitoring Report Exceedance List

029.wpcp.EvergreensCondos.mo0117765.x.2016.02.22.fy16.dmrexc.x.ryc



LAWWA 1.18-000936

Evergreens Condominiums
Camden County
MO0117765

DISCHARGE MONITORING REPORT EXCEEDANCE LIST

Outfall	Monitoring End Date	Parameter	Units	Permit Limitations	Reported Values
001	11/30/2015	Nitrogen, ammonia total (as N)	mg/L	7.5 - Daily Max.	11
001	11/30/2015	Nitrogen, ammonia total (as N)	mg/L	2.9 - Monthly Avg.	11

029.wpcp.EvergreensCondos.mo0117765.x.2016.02.22.fy16.dmrexc.x.ryc



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

February 22, 2016

Lake Area Wastewater Association, Inc.
515 Old South 5
Camdenton, MO 65020

Dear Permittee:

Missouri State Operating Permit MO0107409 was issued to Lake Area Wastewater Association, Inc. for the North Hampton Bay Condominiums in Miller County. This permit sets forth specific effluent limitations, monitoring requirements, and specific permit conditions regarding the facility. The department has not received the discharge monitoring report for the **monitoring period ending in November 2015**.

By March 26, 2016, please submit the report to the address below. Your facility will be considered in noncompliance and the department's records will reflect continued noncompliance until the violation(s) are addressed.

As always, the department is willing to meet with you to discuss the violation(s) and the actions necessary to bring your facility into compliance. If you would like to schedule a meeting or have questions, please contact water pollution staff at (417) 891-4300, by mail at 2040 W. Woodland, Springfield, MO 65807-5912, or by email at ronda.crabtree@dnr.mo.gov.

If you have already provided this information to the department, you may disregard this request.

Sincerely,

SOUTHWEST REGIONAL OFFICE

A handwritten signature in blue ink, appearing to read "Kevin Hess".

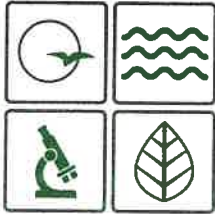
Kevin Hess, Chief
Water Pollution Section

KH/rc1

131.wpcp.NorthHamptonBayCondos.mo0107409.x.2016.02.22.fy16.dmr.x.ryc

FILE COPY 1/17/2019

LETTER SENT



Missouri Department of dnr.mo.gov

NATURAL RESOURCES

Michael L. Parson, Governor

Carol S. Comer, Director

January 11, 2019

Lake Area Waste Water Association
515 Old South 5
Camdenton, MO 65020

**LETTER OF WARNING
RESPONSE REQUIRED**

Dear Permittee:

Staff from the Missouri Department of Natural Resources (Department) conducted an inspection on December 18, 2018 of the Molokai Pointe Estates wastewater treatment facility located in Camden County, Missouri. The facility operates under the authority of Missouri State Operating Permit MO-0130061.

Compliance with Missouri Clean Water Law was evaluated. A Letter of Warning (LOW) is being issued for the violations identified in the enclosed report.

Please direct your attention to the **Compliance Determination and Listing of Violations and Required Actions** in the enclosed report. The report documents the findings and the actions that you must take to address the violations. **A written response documenting actions taken to correct the violations is required by the date specified in the report.**

Failure to address the required actions will result in the issuance of a Notice of Violation. If you have any questions or would like to schedule a time to meet with Department staff to discuss compliance requirements, please contact Mr. Troy Potteiger at 417-891-4300 or in writing at Southwest Regional Office, 2040 W. Woodland, Springfield, Missouri 65807-5912.

Sincerely,
SOUTHWEST REGIONAL OFFICE

Kevin Hess, Chief
Water Pollution Section

KH/tp

Enclosures:

029.wpcp.MolokaiPointeEst.WWTF.mo0130061.x.2019.01.11.fy18.ins_low.x.tap



LAWWA 1.18-001113

**Missouri Department of Natural Resources
Southwest Regional Office/Water Pollution Control Branch
Report of Inspection
Molokai Pointe Estates
Camden County, Missouri
MO-0130061
January 11, 2019**

Introduction

On December 18, 2018, a routine compliance inspection of the Molokai Pointe Estates Wastewater Treatment Facility in Camden County, Missouri was conducted by the Missouri Department of Natural Resources (Department). The purpose of this inspection was to determine compliance with Missouri State Operating Permit (MSOP) MO-0130061, the Missouri Clean Water Commission Regulations, and Missouri Clean Water Law. This report presents the findings and observations made during the compliance inspection. Authority for this inspection is provided in Missouri Clean Water Law 644.026.1(21), RSMo. The following participants were present during the inspection:

Molokai Pointe Estates

No one from the facility was present during the inspection

Missouri Department of Natural Resources

Mr. Troy Potteiger, Environmental Specialist

Facility Description and History

The treatment facility is composed of septic tanks, recirculating textile filter, and ultraviolet disinfection. The system has a design flow capacity of 2,775 gallons per day. Sludge is disposed by contract hauler. Discharge from this facility flows into Lake of the Ozarks. The facility has a Design Population Equivalent of 37. The UTM 83 coordinates for this facility's outfall are E 0522496, N 4225287. The MSOP, MO-0130061, was last issued on September 1, 2017, and expires on September 30, 2021.

Our records indicate that the previous inspection of this facility was conducted by the Department on August 3, 2011. The previous inspector noted the outfall was not marked, DMR violations, no flow measurement device, the previous year's annual sludge report was missing, the owners failed to acknowledge how the facility was going to meet new ammonia limits, and warning signs were not posted.

During the office portion of the inspection I reviewed the facility's Form S Annual Sludge Report and Discharge Monitoring Reports (DMR). The previous year's Annual Sludge Report was not received by the Department. The DMRs submitted to this office from January 2017 to December 2018 reflect compliance with MSOP reporting requirements. However the facility repeatedly reports "No Discharge".

Discussion of Inspection and Observations

The inspection was conducted during normal business hours. Prior notification was provided to the facility. On December 17, 2018 I left a voice mail for Mr. Bob Lasseter, operator, discussing the inspection scheduled for the following day.

Upon arrival I noted a parameter fence did not surround the facility however the components were bolted securely. I was able to access the facility via an established roadway. The textile filter was relatively clean at the time of the inspection. The recirculation pumps were operational and appeared to be dosing properly. The pump screen was relatively clean at the time of the inspection. The audio and visual alarms were functioning. The UV system was turned off for the season. Please ensure both UV bulbs are operational by April 1st. The outfall was clearly marked in the field.

Sampling and Monitoring

The facility was not discharging during the inspection; therefore, no field measurements or samples were taken.

Compliance Determination and Required Actions

Based on observations made at the time of the inspection, the facility was found to not be in compliance with the Missouri Clean Water Law, its implementing regulations, and MSOP MO-0130061.

Letter of Warning (LOW)

Please submit your responses to the following violations **by February 11, 2019** to the Southwest Regional Office, 2040 W. Woodland, Springfield, MO 65807.

1. A review of our records showed that the 2017 Annual Sludge Report required in MSOP Standard Conditions Part III Section K was not submitted. This is a violation of Missouri Clean Water Law 644.076.1, RSMo.

REQUIRED ACTION: Prepare and submit the Annual Sludge Report for calendar year 2017. Please note that the 2018 Annual Sludge Report is due by January 28, 2019.

Additional Comments

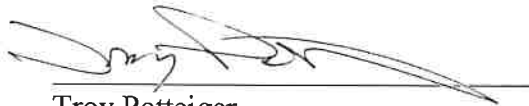


Sampling in accordance with your Missouri State Operating Permit is required. Please assure that if a discharge occurs at any time, samples are collected.

Report of Inspection
Molokai Pointe Estates
January 11, 2019
Page 3

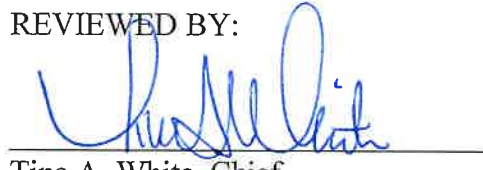
Signatures

SUBMITTED BY:



Troy Potteiger
Environmental Specialist
Southwest Regional Office

REVIEWED BY:



Tina A. White, Chief
Water Pollution Inspection and Enforcement Unit
Southwest Regional Office

Attachments

Attachment # 1 – Aerial Map

Attachment # 2 – Photographs (#1 through #9)

Sludge handling checklist for wastewater treatment facilities

Facility Name: Molokai Pointe Estates	MSOP #: MO-0130061		
Issue to be addressed	Options		Not Inspected
What method is used for sludge management?	Sludge is removed by a contract hauler		<input type="checkbox"/>
	Date		
How often is sludge removed from the facility?	As needed		<input type="checkbox"/>
When was the last time sludge was removed?			<input checked="" type="checkbox"/>
	Yes	No	Not Inspected
Has the Form S annual report been submitted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Have the applicable additional sections been submitted? <small>(If not, please describe deficiencies below in the comments field)</small>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the form filled out correctly? <small>(If not, please describe deficiencies below in the comments field)</small>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the monitoring frequency for metals, pathogens and vectors (WQ 423) being met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are the requirements for pathogens and vector attraction (WQ 424) being met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are land applied biosolids below the ceiling concentration for metals (WQ 425)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Are the nitrogen, soil pH and soil phosphorus limitations (WQ426) being met?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other Comments:			



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM
FORM S – SECTION 1. DOMESTIC SLUDGE REPORTING

GENERAL INFORMATION

REPORTING PERIOD: (YEAR)

2017

FACILITY NAME
Molokai Point Estates WWTF

CITY NAME
Sunrise Beach

PERMIT NUMBER
MO-0130061

COUNTY NAME
Morgan

INSTRUCTIONS: See attached instruction sheet for directions.

1. Sludge Production, including sludge received from others:

ACTUAL DRY TONS/YEAR	ACTUAL POPULATION EQUIVALENT
0	10

2. Sludge Treatment

- Anaerobic Digester Aerobic Digester Composting
 Storage Tank Air or Heat Drying
 Lime Stabilization Other, Describe: Septic Tanks

3. Sludge Use or Disposal: Complete the rest of this form only for the sections applicable to your method of sludge and biosolids use or disposal.

- All Permittees Complete Section 1
 Land Application (LA) Complete Sections 2 and 3
 Contract Hauler (CH) >150 PE Complete Sections 2 and 4
 Contract Hauler (CH) <150 PE Complete Section 4
 Hauled to another Treatment Facility (HT) Complete Section 4
 Solid Waste Landfill (LF) Complete Section 4
 Sludge Disposal Lagoon (SD) Complete Section 5
 Incineration (IN) Complete Section 6
 Sludge Hauled to Incinerator (IO) Complete Section 6

4. Certification: I certify under penalty of law that the information contained in this report and attachments are true and correct. This determination has been made under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information used to determine these requirements have been met. I am aware that there are significant penalties for false certification, including the possibility of fine and imprisonment.

NAME (PRINT OR TYPE) Randy Grathen	OFFICIAL TITLE Director of Operations
SIGNATURE 	DATE 01/08/2018
	TELEPHONE NUMBER WITH AREA CODE (573) 346-3810

**INSTRUCTIONS FOR FILLING OUT ANNUAL REPORT
FORM S – DOMESTIC SLUDGE**

GENERAL

The attached report form (**FORM S**) is to be used for submitting the annual sludge report as required under Standard Conditions Part III of the Missouri State Operating Permit, or NPDES. **This form is to be used only for domestic wastewater sludges.** It does NOT apply to industrial sludges.

Use the attached **Form S as a master copy** and make copies off of it as required for sludge reporting in subsequent years. This form must be signed by an appropriate official. Keep a copy for your records. **Send the completed Form S to your nearest Department of Natural Resources regional office. A list of regional offices is available on the department's Web site at dnr.mo.gov/regions/regions.htm.**

APPLICABILITY

Mechanical Wastewater Treatment Facilities must sign and submit the form, even if no sludge was removed during the report period. You must complete and submit Form S by Jan. 28 for each year for the previous calendar year.

Wastewater treatment lagoons need to submit the Form S report **only** when sludge is removed from the lagoon. Complete and submit the Form S by Jan. 28 for sludge removed during the previous calendar year.

Complete the sections of the Form S that are applicable to your facility. See the table below for guidance.

All permittees	Complete Section 1
Land Application (LA)	Complete Sections 2 and 3
Contract Hauler (CH) >150 PE	Complete Sections 2 and 4
Contract Hauler (CH) <150 PE	Complete Section 4
Hauled to another Treatment Facility (HT)	Complete Section 4
Solid Waste Landfill	Complete Section 4
Sludge Disposal Lagoon (SD)	Complete Section 5
Incineration (IN)	Complete Section 6
Sludge Hauled to Incinerator (IO)	Complete Section 6

ENVIRONMENTAL PROTECTION AGENCY, or EPA, REQUIREMENTS

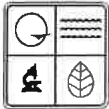
Your facility may also be required to obtain a separate sludge permit from the EPA and to submit reports directly to EPA. Contact the EPA at the following address to determine the EPA's requirements for your facility.

Tanya Nix
Regional Sludge Coordinator
U.S. EPA Region 7
Water Management Division
901 N. 5th Street
Kansas City, KS 66101
Phone: 913-551-7170
FAX: 913-551-7765

For More Information

For assistance regarding this form or other sludge issues, please contact your nearest Department of Natural Resources regional office or contact the department at 800-361-4827 or the Water Protection Program at 573-751-1300.

4.30 Sludge Removal from Treatment Facility											
4.31 CAPACITY OF SLUDGE HOLDING STRUCTURES Sludge storage provided: _____ gallons.										DAYS OF STORAGE	
AVERAGE PERCENT SOLIDS OF SLUDGE 0											
<input checked="" type="checkbox"/> No sludge storage is provided											
4.32 Sludge hauled for disposal during the report period.											
DRY TONS 0				CUBIC FEET				GALLONS 0			
4.33 Number of dry tons or gallons hauled each month from the wastewater treatment facility.											
JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
If sludge hauled was more than the sludge holding capacity, attach explanation.											
4.40 Sludge Monitoring (Per Subsection J of Part III Standard Conditions)											
<input checked="" type="checkbox"/> 4.41 If the receiving facility is permitted facility, then it is responsible for testing and submitting section 2.											
<input type="checkbox"/> 4.42 If the receiving facility is not a permitted facility, then the generator is responsible for testing and completing section 2.											
4.50 Sludge Disposal Requirements											
4.51 If the disposal facility listed under 4.20 does not have a sludge disposal permit, the wastewater treatment facility or sludge generator shall submit detailed information on sludge disposal:											
<input type="checkbox"/> Attach completed Section 3 of Form S, if sludge is land applied.											
<input type="checkbox"/> Attach sheets providing the information listed under section K of Part III Special Conditions, if sludge is not land applied.											
4.52 Are alternate limits or exceptions listed in the Special Conditions section of the wastewater treatment facility permit or sludge generator permit?											
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If yes, attach explanation sheet.											



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM, WATER POLLUTION BRANCH
FORM S – SECTION 4. SLUDGE HAULING

PERMIT NO.: MO-0130061		REPORTING PERIOD: CALENDAR YEAR 2017
FACILITY NAME Molokai Point Estates WWTF		
<p>Complete this section if the sludge generator or contract hauler transports sludge to another wastewater treatment facility or sludge disposal facility. Applicable sludge requirements are listed under Part III Standard Conditions.</p> <p>Show the applicable NPDES permit number (MO-) under 4.14 and 4.24. If disposal is at a landfill, surface disposal facility, or sludge disposal lagoon, the solid waste disposal permit number (SW) must also be given.</p> <p>If the facility has a design population equivalent (P.E.) of 150 or less, treat the sludge generated as septage and consequently, no testing is required. See WQ 422 guide, <i>Land Application of Septage</i>, for further guidance.</p>		
4.10 Person Responsible for Hauling Sludge to Disposal Facility		
4.11 HAULER NAME Bullock Septic Pumping		
4.12 CONTACT PERSON Travis Bullock		
4.13 CONTACT ADDRESS 172 Flagstone Rd, Gravois Mills, MO 65037		
4.14 PHONE (573) 216-0190	PERMIT NO: MO- G821093	SW
4.20 Person Responsible for Final Sludge Disposal		
4.21 FACILITY NAME Same as 4.10		
4.22 CONTACT PERSON		
4.23 CONTACT ADDRESS		
4.24 PHONE	PERMIT NO: MO-	SW
4.25 SLUDGE DISPOSAL METHOD		
4.26 LEGAL ____ ¼, ____ ¼, SEC <u>16</u> , T <u>40</u> , R <u>17</u> , COUNTY <u>Morg</u>		



MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY

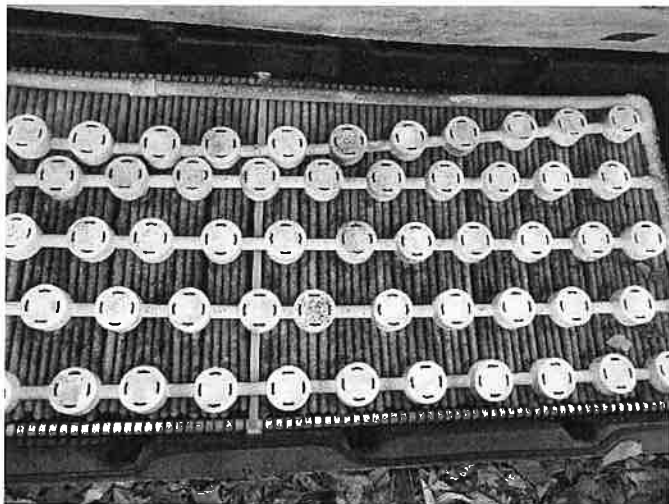
PHOTOGRAPH ADDENDUM

REGIONAL OFFICE
Southwest



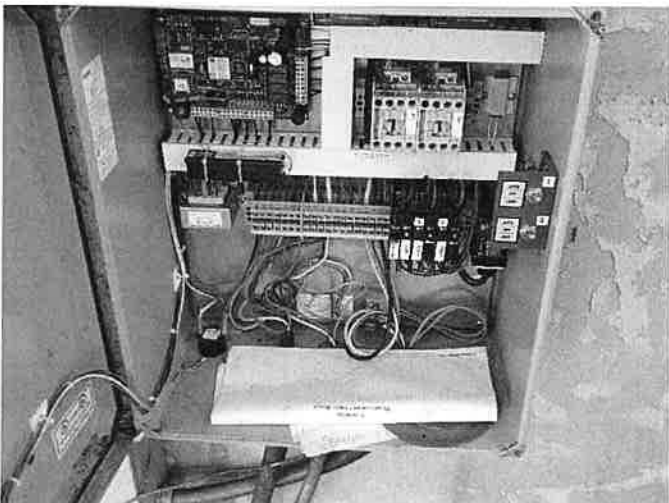
PHOTOGRAPH# 1

DATE TAKEN: December 18, 2018
TAKEN BY: Troy Potteiger
PROGRAM: WPCP
ENTITY: Molokai Pointe Estates
PERMIT: MO-0130061
LOCATION: 200 Westport Circle, Sunrise Beach MO
DESCRIPTION: WWTF



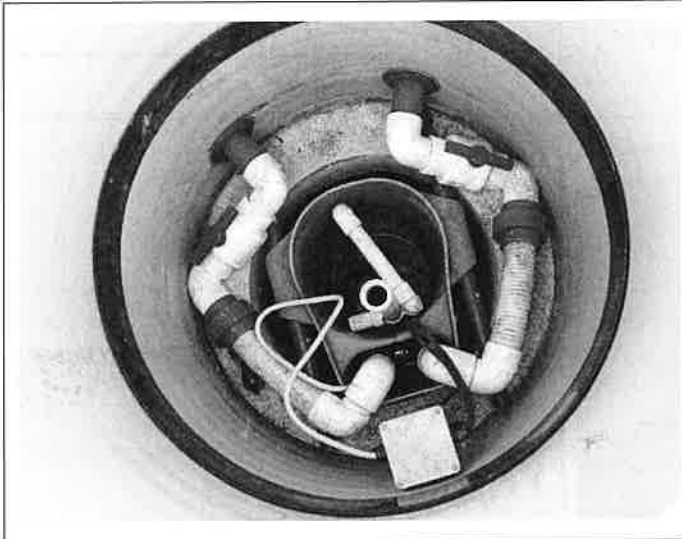
PHOTOGRAPH# 2

DATE TAKEN: December 18, 2018
TAKEN BY: Troy Potteiger
PROGRAM: WPCP
ENTITY: Molokai Pointe Estates
PERMIT: MO-0130061
LOCATION: 200 Westport Circle, Sunrise Beach MO
DESCRIPTION: Textile filter



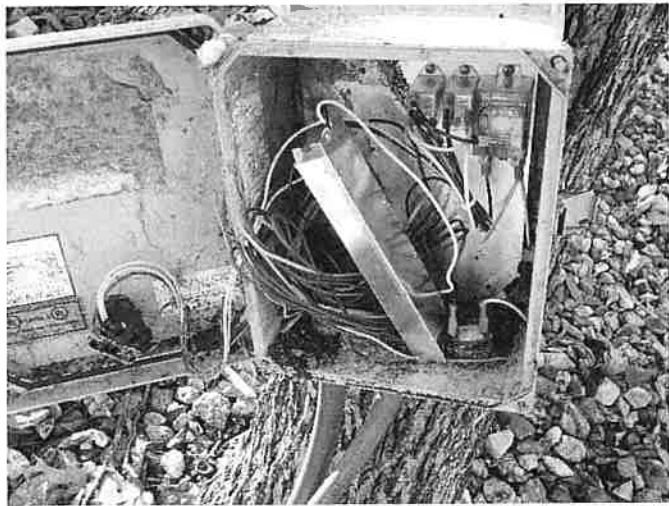
PHOTOGRAPH# 3

DATE TAKEN: December 18, 2018
TAKEN BY: Troy Potteiger
PROGRAM: WPCP
ENTITY: Molokai Pointe Estates
PERMIT: MO-0130061
LOCATION: 200 Westport Circle, Sunrise Beach MO
DESCRIPTION: Control panel



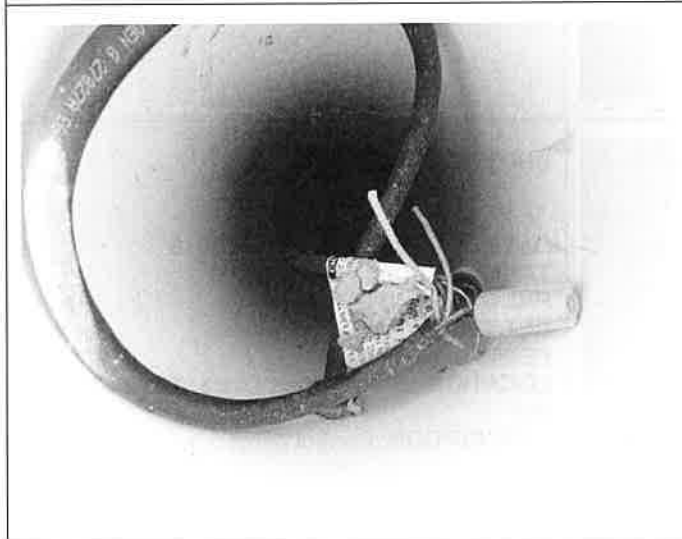
PHOTOGRAPH# 4

DATE TAKEN: December 18, 2018
TAKEN BY: Troy Potteiger
PROGRAM: WPCP
ENTITY: Molokai Pointe Estates
PERMIT: MO-0130061
LOCATION: 200 Westport Circle, Sunrise Beach MO
DESCRIPTION: Recirculation tank



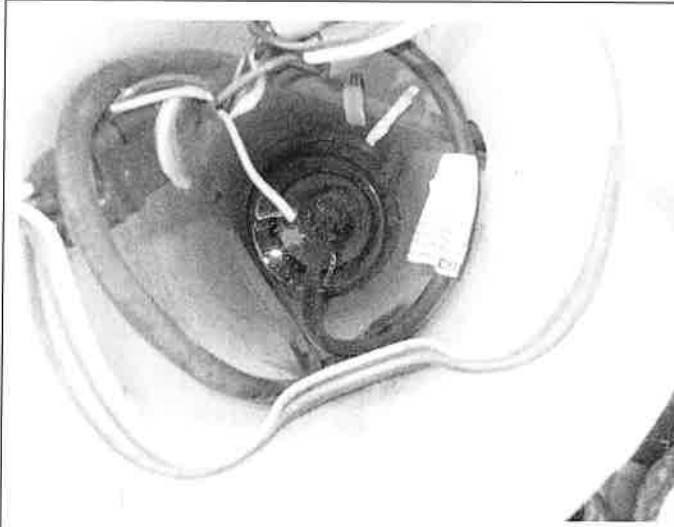
PHOTOGRAPH# 5

DATE TAKEN: December 18, 2018
TAKEN BY: Troy Potteiger
PROGRAM: WPCP
ENTITY: Molokai Pointe Estates
PERMIT: MO-0130061
LOCATION: 200 Westport Circle, Sunrise Beach MO
DESCRIPTION: UV control panel



PHOTOGRAPH# 6

DATE TAKEN: December 18, 2018
TAKEN BY: Troy Potteiger
PROGRAM: WPCP
ENTITY: Molokai Pointe Estates
PERMIT: MO-0130061
LOCATION: 200 Westport Circle, Sunrise Beach MO
DESCRIPTION: UV disinfection port



PHOTOGRAPH# 7

DATE TAKEN: December 18, 2018
TAKEN BY: Troy Potteiger
PROGRAM: WPCP
ENTITY: Molokai Pointe Estates
PERMIT: MO-0130061
LOCATION: 200 Westport Circle, Sunrise Beach MO
DESCRIPTION: UV disinfection port



PHOTOGRAPH# 8

DATE TAKEN: December 18, 2018
TAKEN BY: Troy Potteiger
PROGRAM: WPCP
ENTITY: Molokai Pointe Estates
PERMIT: MO-0130061
LOCATION: 200 Westport Circle, Sunrise Beach MO
DESCRIPTION: Outfall



PHOTOGRAPH# 9

DATE TAKEN: December 18, 2018
TAKEN BY: Troy Potteiger
PROGRAM: WPCP
ENTITY: Molokai Pointe Estates
PERMIT: MO-0130061
LOCATION: 200 Westport Circle, Sunrise Beach MO
DESCRIPTION: Sample port

Attachment – Aerial Photograph
Molokai Pointe Estates

Aerial Photograph Courtesy of Google Maps

