



March 14, 2014

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
McNeely Lake WQTC; KPDES No.: KY0029416
Discharge Monitoring Reports –February 2014.**

Dear Ms. Cheryl Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the McNeely Lake WQTC, KPDES No.: KY0029416 for the month of February 2014.

There was one exceedance for 7 day fecal. Our limit is 400 on the 7 day geo. We had a fecal count of 1180 on the 7th of February. Due to elevated flows from snow and rainfall, we were unable to sample during the first part of the weekly sampling period. The sample was taken on the last day of the first week of the sampling period. This prevented us from grabbing another sample. The pre-effluent chlorine residual was 1.1 ppm. We have investigated the reason for the elevated fecal, and as of now do not know the reason for the violation. Although the pre-effluent residual chlorine concentrations are around 1.0 mg/l, we have also increased our chemical feed rates to reduce the risk of a fecal/ e coli violation. This WQTC is currently in compliance.

There were no bypasses or overflows to report.

If you have any questions concerning the attached DMRs, please contact me at (502) 239-7574.

Sincerely,

Duane V. Wright
Process Supervisor, Central region

DVW/McNeely Lake 02.14

Enclosures

cc: T. Singleton

R. Shaw



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

*Louisville and Jefferson County Metropolitan Sewer District
700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org*

DMR Copy of Record

Permit

Permit #:
Major:

KY0029416
No

Permittee:
Permittee Address:

MCNEELY LAKE WQTC MSD
10300 ROD N REEL RD
LOUISVILLE, KY 40229

Facility:
Facility Location:

MCNEELY LAKE WQTC MSD
10300 ROD N REEL RD
LOUISVILLE, KY 40229

Permitted Feature:

001
External Outfall

Discharge:

001-1
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 02/01/14 to 02/28/14

DMR Due Date:

04/28/14

Status:

NetDMR Validated

Considerations for Form Completion

Parameter 00610 - Use Season 1 for summer months (May, June, July, August, September, and October) and Season 2 for winter months (November, December, January, February March, and April); enter NODI=9 for the Season not needed.

Principal Executive Officer

First Name:
Last Name:

Greg
Heitzman

Title:

Exec. Dir.

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3	Value 3	Units			
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample						=	7					19 - mg/L	0	25/30 - 25 Per Month	GR - GRAB
					Permit Req.						>=	7 INST MIN					19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6			=	7	12 - SU	0	24/30 - 24 Per Month	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	14	=	27	26 - lb/d			=	13	=	24	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	51 30DA AVG	<=	103 DAILY MX	26 - lb/d			<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.5	=	0.8	26 - lb/d			=	0.4	=	0.8	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	17 30DA AVG	<=	34 DAILY MX	26 - lb/d			<=	10 30DA AVG	<=	20 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	1.7	=	2.1	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon 30DA AVG		Req Mon DAILY MX	19 - mg/L		01/30 - Monthly	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.133	=	0.348	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD									99/99 - Continuous	CN - CONTIN
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample							<	0.01	<	0.01	19 - mg/L	0	29/30 - 29 Per Month	GR - GRAB	
					Permit Req.							<=	.011 30DA AVG	<=	.019 DAILY MX	19 - mg/L		01/07 - Weekly	GR - GRAB	
					Value NODI															
X 74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample							=	102	=	1180	13 - #/100mL	1	01/07 - Weekly	GR - GRAB	
					Permit Req.							<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL		01/07 - Weekly	GR - GRAB	
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	8	=	14	26 - lb/d			=	8	=	14	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	26 30DA AVG	<=	51 DAILY MX	26 - lb/d			<=	15 30DA AVG	<=	30 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
74055	Coliform, fecal general	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

See cover letter

Attachments

Name	Type	Size
McNeely022014_MOR.pdf	pdf	23576
McNeely022014_cover.pdf	pdf	20400

Report Last Saved By

MCNEELY LAKE WQTC MSD



McNeely Lake		Report for		Feb-14		Tot. Exc.=		1 Violation				
Tot. Flow=	3.73271	Concentrations						Pounds				
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC
2/1/14	0.082									9.1	6.8	<0.010
2/2/14	0.108											<0.010
2/3/14	0.105											<0.010
2/4/14	0.144											<0.010
2/5/14	0.348									9.8	7.2	<0.010
2/6/14	0.188											<0.010
2/7/14	0.136	24	12	0.5	1180	27.248	13.624	0.568	1.47	9.7	6.9	<0.010
2/8/14	0.122									9.9	6.7	<0.010
2/9/14	0.115	23	14	0.78		22.126	13.468	0.750	1.87	9.6	7.1	<0.010
2/10/14	0.094				200					8.9	6.6	<0.010
2/11/14	0.095									9.2	6.7	<0.010
2/12/14	0.089									9.9	7	<0.010
2/13/14	0.089									9.6	7.2	<0.010
2/14/14	0.100									8.9	7	<0.010
2/15/14	0.143									8.6	7	<0.010
2/16/14	0.136	3	4	0.34		3.409	4.545	0.386	2.14	9.2	7.3	<0.010
2/17/14	0.153				33					8.7	7.1	<0.010
2/18/14	0.210											<0.010
2/19/14	0.172									8.3	7	<0.010
2/20/14	0.156									8	6.8	<0.010
2/21/14	0.152									7	6.9	<0.010
2/22/14	0.144									9.1	7	<0.010
2/23/14	0.134	3	2	0.14		3.354	2.236	0.157	1.35	8.7	7	<0.010
2/24/14	0.111				14					8.9	7.1	<0.010
2/25/14	0.109									9.1	7	<0.010
2/26/14	0.103									9	6.7	<0.010
2/27/14	0.098									10	6.3	<0.010
2/28/14	0.095									9.9		<0.010
3/1/14												
3/2/14												
3/3/14												
Average	0.133	13	8	0.4	102.19	14	8.468	0.47	1.7	9.09	7	0.00
Maximum	0.348	24	14	0.8	1180.00	27	13.624	0.8	2.1	10.00	7	0.00
Exceed.	2	0	0	0	1	0	0	0				
Day Viol.					1							