



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

November 12, 2013

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 –October 2013.

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 October 2013.

There were no exceedences, bypasses or overflows to report.

If you have any questions concerning the attached DMRs, please contact me at (502) 540-6031.

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor, Central region

JMK/McNeely Lake 10.13

Enclosures

cc: T. Singleton
R. Shaw



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

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 10/01/13 to 10/31/13

DMR Due Date:

01/28/14

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	29/30 - 29 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			=	8	12 - SU	0	27/30 - 27 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	=	10	=	20	26 - lb/d			=	14	=	25	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	1	--	Sample	=	0.2	=	0.3	26 - lb/d			=	0.3	=	0.5	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	7 30DA AVG	<=	14 DAILY MX	26 - lb/d			<=	4 30DA AVG	<=	8 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	3.3	=	4.2	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	=	0.102	=	0.464	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	01/01 - Daily	GR - GRAB
					Permit Req.								<=	.011 30DA AVG	<=	.019 DAILY MX	19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample								=	71	=	175	13 - #/100mL	0	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	=	4	=	6	26 - lb/d			=	6	=	8	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

No errors.

Comments

Attachments

Name	Type	Size
MCNEELY102013_MOR.pdf	pdf	24536
MCNEELY102013_COVER.pdf	pdf	17028

Report Last Saved By

MCNEELY LAKE WQTC MSD

User:

kevin.ries@louisvillemsd.org

Date/Time:

2013-11-22 14:06 (Time Zone: -05:00)

Name:

Kevin Ries

E-Mail:

kevin.ries@louisvillemsd.org

McNeely Lake	Report for	Oct-13			Tot. Exc.=		0					
Tot. Flow=	3.1594	Concentrations										
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC
10/1/13	0.086	16	5	0.28		11.493	3.592	0.201	4.24	7.5		0.01
10/2/13	0.076				39					7.8	6.2	0.01
10/3/13	0.081									7.3		0.01
10/4/13	0.080									7.1	7.9	0.01
10/5/13	0.152									7.4	7.3	0.01
10/6/13	0.464									7.2	7.4	0.01
10/7/13	0.211											0.01
10/8/13	0.127									7.8	7.3	0.01
10/9/13	0.111									7.6	7.4	0.01
10/10/13	0.097	25	8	0.34		20.137	6.444	0.274	2.42	7.4	7.6	0.01
10/11/13	0.093				175					7.6	7.3	0.01
10/12/13	0.097									7.6	7.2	0.01
10/13/13	0.097									7.3	7.4	0.01
10/14/13	0.075									8.1	6.8	0.01
10/15/13	0.081	12	6	0.45		8.125	4.063	0.305	3.32	7.8	7	0.01
10/16/13	0.075				50					7.7	6.5	0.01
10/17/13	0.074									7.9	6.3	0.01
10/18/13	0.070									7.9	6.5	0.01
10/19/13	0.080									8.1	6.3	0.01
10/20/13	0.089									7.8	6.9	0.01
10/21/13	0.073									8.4	6.5	0.01
10/22/13	0.072	2	4	0.28		1.204	2.409	0.169	3.33	8.1	7.5	0.01
10/23/13	0.068				75					8.5	7.3	0.01
10/24/13	0.066									8.5	6.8	0.01
10/25/13	0.063									8.5	7.3	0.01
10/26/13	0.076									8.2	7.1	0.01
10/27/13	0.078									8	6.8	0.01
10/28/13	0.069									7.7	6.5	0.01
10/29/13	0.065									7.9	6.8	0.01
10/30/13	0.098									8.2	6.4	0.01
10/31/13	0.116									7.3	7.5	0.01
Average	0.102	14	6	0.3	71.13	10	4.127	0.24	3.3	7.81	7	0.01
Maximum	0.464	25	8	0.5	175.00	20	6.444	0.3	4.2	8.50	8	0.01
Exceed.	2	0	0	0	0	0	0	0				