



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

August 13, 2015

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 –July 2015.**

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 July 2015.

Also attached is bypass letter and discharge report.

There were no exceedances for this month.

If you have any questions concerning the attached DMRs, please contact me at (502) 715-2789.

Sincerely,

A handwritten signature in black ink, appearing to read "Staci Huber", written in a cursive style.

Staci Huber
Process Supervisor, Central region

SMH/McNeely Lake 07/15

Enclosures

cc: T. Singleton
R. Shaw



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www.louisvillegreen.com*

DMR Copy of Record

Permit			
Permit #:	KY0029416	Permittee:	MCNEELY LAKE WQTC MSD
Major:	No	Permittee Address:	10300 ROD N REEL RD LOUISVILLE, KY 40229
Facility:		Facility Location:	10300 ROD N REEL RD LOUISVILLE, KY 40229
Permitted Feature:	001 External Outfall	Discharge:	001-1 SANITARY WASTEWATER

Report Dates & Status			
Monitoring Period:	From 07/01/15 to 07/31/15	DMR Due Date:	08/28/15
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Executive Director
Last Name:	Heitzman	Telephone:	502-540-6000

No Data Indicator (NODI)
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
					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				=	7				19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.	>=	7 MINIMUM								19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	6				=	8			12 - SU	0	01/01 - Daily	GR - GRAB	
					Permit Req.	>=	6 MINIMUM				<=	9 MAXIMUM			12 - SU	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	7.2	=	15.8	26 - lb/d	=	6	=	11	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	51.3 MO AVG	<=	76.9 WKLY AVG	26 - lb/d	<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample	=					=	16	=	22	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	0.52	=	0.7	26 - lb/d	=	0.5	=	0.6	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	6.84 MO AVG	<=	10.3 WKLY AVG	26 - lb/d	<=	4 MO AVG	<=	6 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=					=	2.3	=	3.5	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.135	=	0.217	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon WKLY AVG	03 - MGD						0	99/99 - Continuous	RC - Recorder (auto)	
					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 MO AVG	<=	.019 WKLY AVG	19 - mg/L	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						=	4	=	12	3Z - CFU/100mL	0	01/07 - Weekly	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO	3Z - CFU/100mL	0	01/07 - Weekly	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous [5 day, 20 C]	1 - Effluent Gross	0	--	Sample	=	3.1	=	5.7	26 - lb/d	=	3	=	4	19 - mg/L	0	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	25.6 MO AVG	<=	38.5 WKLY AVG	26 - lb/d	<=	15 MO AVG	<=	22.5 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24	
					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
2015_07_Mcneely_coverletter.pdf	pdf	45617
2015_7_McNeelyLake_OverflowReport.pdf	pdf	71385
201507_mcneely_bypassletter.pdf	pdf	49435
201507_mcneely_mor.pdf	pdf	33419

Report Last Saved By

MCNEELY LAKE WQTC MSD

User: kevin.ries@louisvillemsd.org

Date/Time:

2015-08-21 07:05 (Time Zone: -04:00)

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemsd.org

McNeely Lake		Report for		Jul-15		Tot. Exc.=		0						
Tot. Flow= 4.19407				Concentrations				Pounds						
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot.N	
7/1/15	0.103	8	3	0.42		6.859	2.572	0.360	3.48	8.1	7.2	0.01	22.26	
7/2/15	0.136				1					7.8	7.5	0.01		
7/3/15	0.145									8	7	0.01		
7/4/15	0.141									7.3	7.2	0.01		
7/5/15	0.121									7.5	7.1	0.01		
7/6/15	0.098									7.9	7.3	0.01		
7/7/15	0.134									7.2	7.2	0.01		
7/8/15	0.172	11	4	0.5		15.756	5.730	0.716	2.22	7.2	7.2	0.01	14.96	
7/9/15	0.146				9					7.3	7.4	0.01		
7/10/15	0.154									7.5	7.5	0.01		
7/11/15	0.181									7.8	7.5	0.01		
7/12/15	0.295									7.3	8	0.01		
7/13/15	0.232									7.1	6.8	0.01		
7/14/15	0.338									7	6.7	0.01		
7/15/15	0.212									7.4	6.7	0.01		
7/16/15	0.139	3	2	0.39		3.490	2.326	0.454	1.18	7.8	6.8	0.01	10.08	
7/17/15	0.109				12					7.8	7.2	0.01		
7/18/15	0.134									7.1	7.4	0.01		
7/19/15	0.122									7.4	6.9	0.01		
7/20/15	0.107									7.7	7.2	0.01		
7/21/15	0.132									7.5	7.3	0.01		
7/22/15	0.105	3	2	0.62		2.635	1.757	0.545	2.5	7.4	7.2	0.01	16.16	
7/23/15	0.096				2					7.5	7.2	0.01		
7/24/15	0.090									7.2	7.3	0.01		
7/25/15	0.091									7.4	6.7	0.01		
7/26/15	0.094									7.4	6.5	0.01		
7/27/15	0.081									7.4	6.5	0.01		
7/28/15	0.075									7	6.1	0.01		
7/29/15	0.074									7.4	6.8	0.01		
7/30/15	0.068									7.4	6.6	0.01		
7/31/15	0.067									7.2	6.5	0.01		
Average	0.135	6	3	0.5	3.83	7	3.096	0.52	2.3	7.45	7	0.01	15.87	
Maximum	0.338	11	4	0.6	12.00	16	5.730	0.7	3.5	8.10	8	0.01	22.26	
Exceed.	4	0	0	0	0	0	0	0						



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July 20, 2015

Mr. Charlie Roth, District Supervisor
KY Division of Water
Louisville Regional Office
9116 Leesgate Road
Louisville, KY 40222-5084

Re: Bypass Report for the: McNeely Lake WQTC- KPDES Permit: - KY0029416


Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on July 18, 2015, referencing Work Order 2391494 as a bypass. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On Saturday, July 18, 2015, this plant experienced a power outage after the main feed line coming to the plant grounded and caught fire. MSD personnel installed a portable generator. As a result approximately 8,000 gallons of raw sewage overflowed from the influent wet well and bypassed all treatment processes.
- Period of noncompliance: Starting 12:10 PM on July 18, 2015 and stopping 01:30 PM on July 18, 2015.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD personnel installed a portable generator.
- Additional comments: Plant is to be eliminated in 2015. MSD personnel cleaned and sanitized area.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-239-7574, my cell phone at (502)-475-2224 or via email at kevin.thompson@louisvillemsd.org.

Sincerely,

Kevin Thompson
Process Supervisor-Operations

cc: Courtney Seitz, KDEP
Paula Purifoy, MSD
eB File





Report Selections: Period: 07/01/2015 00:00 thru 07/31/2015 23:59, treatment Plant: MSD0228 MCNEELY LAKE, Excluding PPI Excluding CSO Excluding LAT, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0029416	MSD0228	MCNEELY LAKE	PENNSYLVANIA RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0228	10300 ROD N REEL RD		PENNSYLVANIA RUN	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	2391494		07/18/2015	MARKS JR	OPS BSHIFT CENTRAL	REPAIRED - ISSUE RESOLVED	07/18/2015	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	07/18/15 01:30 PM	

Discharge Reporting:

Discharge Amount:	8,000 GAL
Cause:	LOST POWER DUE TO POWER LINES BEING ON FIRE.
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS
Impact:	SEWAGE AND SOLIDS OBSERVED
Repair:	INSTALLED GENERATOR TO STOP BYPASS
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

Notifications:

7/18/15 1:00 pm	DISNOT	EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'
7/18/15 1:00 pm	DISSNO	SUPPLEMENTAL EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE HAS BEEN SENT TO 'DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV'

Total Facilities Printed: 1

Total Work Orders Printed: 1