



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

May 12, 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 –April 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 April 2015.

There were no exceedances, bypasses or overflow reports.

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

Sincerely,



Kevin Thompson  
Process Supervisor, Central region

KLT/McNeely Lake 04/15

Enclosures

cc: T. Singleton  
R. Shaw



*Beneficial Use of Louisville's Biosolids*  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

**DMR Copy of Record**

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

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 04/01/15 to 04/30/15	DMR Due Date:	05/28/15
Status:	NetDMR Validated		

**Considerations for Form Completion**

<b>Principal Executive Officer</b>			
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
00300	Oxygen, dissolved [DO]	1 - Effluent Gross	0	--	Sample	=	7				=	7				19 - mg/L	29/30 - 29 Per Month	GR - GRAB
					Permit Req.	>=	7 MINIMUM								19 - mg/L	01/07 - Weekly	GR - GRAB	
					Value NODI													
00400	pH	1 - Effluent Gross	0	--	Sample	=	6				=	8			12 - SU	29/30 - 29 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	=	9.4	=	15	26 - lb/d	=	11	=	22	19 - mg/L	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	01/07 - Weekly	24 - COMP24	
					Value NODI													
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample	=					=	17	=	24	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI													
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.5	=	0.6	26 - lb/d	=	0.6	=	0.7	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.	<=	17.1 MO AVG	<=	25.6 WKLY AVG	26 - lb/d	<=	10 MO AVG	<=	15 WKLY AVG	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI													
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=					=	2.4	=	4.7	19 - mg/L	01/07 - Weekly	CP - COMPOS	
					Permit Req.							Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L	01/07 - Weekly	24 - COMP24	
					Value NODI													
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.162	=	0.305	03 - MGD						99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon WKLY AVG	03 - MGD						99/99 - Continuous	RC - Recorder (auto)	
					Value NODI													
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	29/30 - 29 Per Month	GR - GRAB	
					Permit Req.						<=	.011 MO AVG	<=	.019 WKLY AVG	19 - mg/L	01/07 - Weekly	GR - GRAB	
					Value NODI													
51040	E. coli	1 - Effluent Gross	0	--	Sample						<	4	=	13	3Z - CFU/100mL	01/07 - Weekly	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO	3Z - CFU/100mL	01/07 - Weekly	GR - GRAB	
					Value NODI													
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	5.1	=	6.8	26 - lb/d	=	6	=	10	19 - mg/L	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	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
201504_McNeely_MOR.pdf	pdf	32825
201504_McNeely_coverletter.pdf	pdf	46857

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

McNeely Lake		Report for	Apr-15			Tot. Exc.=							
Tot. Flow=	4.8554	Concentrations			0		Pounds						
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot.N
4/1/15	0.082	22	10	0.67		15.014	6.825	0.457	4.67	7.4	7.1	0.01	23.71
4/2/15	0.156				13					8.4	6.2	0.01	
4/3/15	0.817									7.6	6.8	0.01	
4/4/15	0.452												
4/5/15	0.265									10	6.8	0.01	
4/6/15	0.195									9.3	6.7	0.01	
4/7/15	0.168									8.1	7	0.01	
4/8/15	0.161									8.5	6.3	0.01	
4/9/15	0.142									8.5	7.3	0.01	
4/10/15	0.137				3					8.6	7.2	0.01	
4/11/15	0.122									9.3	6.7	0.01	
4/12/15	0.121	8	4	0.53		8.055	4.028	0.534	1	9.5	7.1	0.01	12.91
4/13/15	0.114									8.1	7.3	0.01	
4/14/15	0.155									8.1	6.8	0.01	
4/15/15	0.139	7	5	0.56		8.104	5.789	0.648	1.95	8.7	6.7	0.01	17.81
4/16/15	0.115				1					8.6	6.9	0.01	
4/17/15	0.109									8.3	6.6	0.01	
4/18/15	0.104									8.1	6.8	0.01	
4/19/15	0.136									8.4	7.1	0.01	
4/20/15	0.173									7.6	7.3	0.01	
4/21/15	0.136									9	6.7	0.01	
4/22/15	0.113	7	4	0.5		6.591	3.766	0.471	1.93	8.4	7.3	0.01	14.41
4/23/15	0.098				6					9	7.3	0.01	
4/24/15	0.095									8.8	7.1	0.01	
4/25/15	0.102									8.2	6.6	0.01	
4/26/15	0.109									7.6	7	0.01	
4/27/15	0.092									8.1	7.3	0.01	
4/28/15	0.087									8.4	7.4	0.01	
4/29/15	0.084									8.6	7.5	0.01	
4/30/15	0.078									8	7.1	0.01	
Average	0.162	11	6	0.6	3.91	9	5.102	0.53	2.4	8.46	7	0.01	17.21
Maximum	0.817	22	10	0.7	13.00	15	6.825	0.6	4.7	10.00	8	0.01	23.71
Exceed.	3	0	0	0	0	0	0	0					