



700 West Liberty Street | Louisville, KY 40203-1911
Phone: 502.540.6000 | LouisvilleMSD.org

May 13, 2016

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 2016.**

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 2016.

There were no exceedances, overflows or bypasses for this month.

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

Sincerely,

Staci Huber
Process Supervisor

SMH/McNeely Lake 4/16

Enclosures

cc: T. Singleton
R. Shaw

DMR Copy of Record

Permit

Permit #:
Major:

KY0029416
No

Permittee:
Permittee Address:

McNeely Lake WQTC MSD
700 W Liberty St
Louisville, KY 40203

Facility:
Facility Location:

MCNEELY LAKE WQTC MSD
KY 292
LOUISVILLE, KY 41537

Permitted Feature:

001
External Outfall

Discharge:

001-1
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 04/01/16 to 04/30/16

DMR Due Date:

05/28/16

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:

James A
Parrott

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI: --

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						=	8					19 - mg/L		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			=	7	12 - SU		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	=	7.3	=	9.6	26 - lb/d			=	11	=	15	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	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	25	=	29	19 - mg/L		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	2	--	Sample	=	0.4	=	0.6	26 - lb/d			=	0.5	=	1	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	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	3.7	=	4.7	19 - mg/L		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	=	0.086	=	0.094	03 - MGD									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		99/99 - Continuous	GR - GRAB
					Permit Req.								<=	0.011 MO AVG	<=	0.019 WKLY AVG	19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample								<	3	=	7	3Z - CFU/100mL		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	=	2.5	=	3.2	26 - lb/d			=	4	=	5	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	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
042016_McNeely_Coverletter.pdf	pdf	427096
042016_McNeely_MOR.pdf	pdf	424420

Report Last Saved By

McNeely Lake WQTC MSD

User: kevin.ries@louisvillemsd.org

Date/Time: 2016-05-17 13:24 (Time Zone: -04:00)



McNeely Lake		Report for		Apr-16		Tot. Exc.=		0						
Tot. Flow=		2.56962		Concentrations				Pounds						
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot.N	
4/1/16	0.113									10	6.8			
4/2/16	0.095									9.1	6.4			
4/3/16	0.095	7	3	0.34		5.571	2.387	0.271	2.79	9	6.3		23.05	
4/4/16	0.083				1					9	6.4			
4/5/16	0.072									11	6.5			
4/6/16	0.072									10	6.4			
4/7/16	0.070									10	6.4			
4/8/16	0.069									10	6.1			
4/9/16	0.068									9.9	6			
4/10/16	0.076	14	5	0.39		8.841	3.158	0.246	3.36	11	6.7		28.95	
4/11/16	0.083				6					10	6.6			
4/12/16	0.104									10	6.9			
4/13/16	0.087									10	6.8			
4/14/16	0.084									10	6.6			
4/15/16	0.077									10	6.2			
4/16/16	0.074									9.8	6.3			
4/17/16	0.077	8	3	1		5.149	1.931	0.644	3.93	8.6	6.2		22.55	
4/18/16	0.069				2					9.3	6			
4/19/16	0.066									8.8	6.4			
4/20/16	0.064									9.5	6.5			
4/21/16	0.066									8.8	6.7			
4/22/16	0.073									8.6	6.4			
4/23/16	0.075									8.7	6.6			
4/24/16	0.076	15	4	0.39		9.553	2.547	0.248	4.71	8.6	6.3		24.65	
4/25/16	0.072				7					9.4	6			
4/26/16	0.069									9.6	6.9			
4/27/16	0.089									8.9	6.7			
4/28/16	0.201									8.4	6.7			
4/29/16	0.139									9.8	6.5			
4/30/16	0.113									8.6	6.5			
Average	0.086	11	4	0.5	3.03	7	2.506	0.35	3.7	9.48	6	0.00	24.80	
Maximum	0.201	15	5	1.0	7.00	10	3.158	0.6	4.7	11.00	7	0.00	28.95	
Exceed.	0	0	0	0	0	0	0	0				0		
Day Viol.														
Mo. Viol.														
Minimum	0.06351	MIN	MAX							8.40	6.00	0.00		