



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

January 7, 2015

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

**Re: MSD Metro Operations
Berrytown WQTC; KPDES No.: KY0036501
Discharge Monitoring Reports – December 2014**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Berrytown WQTC, KPDES No.: KY0036501 for the month of December 2014.

There were no exceedences, bypasses or overflows to report.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Thompson", is written over the word "Sincerely,".

Kevin Thompson
Process Supervisor Central Region

KLT/Berrytown 12.14

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit			
Permit #:	KY0036501	Permittee:	BERRYTOWN WQTC MSD
Major:	No	Permittee Address:	1203 HEAFER RD LOUISVILLE, KY 40222
Permitted Feature:	001 External Outfall	Discharge:	001-1 SANITARY WASTEWATER
Facility:		Facility Location:	BERRYTOWN WQTC MSD 1203 HEAFER RD LOUISVILLE, KY 40222

Report Dates & Status			
Monitoring Period:	From 12/01/14 to 12/31/14	DMR Due Date:	01/28/15
Status:	NetDMR Validated		

Considerations for Form Completion
 TOTAL NITROGEN IS THE SUMMATION OF THE ANALYTICAL RESULTS FOR TOTAL NITRATES, TOTAL NITRITES, AND TOTAL KJELDAHL NITROGEN

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	=	8				=	8				19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.	>=	7 INST MIN									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	=	2.5	=	4.1	26 - lb/d	=	3	=	7		19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	18.8 MO AVG	<=	28.2 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	=					=	14	=	18		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	2	--	Sample	=	0.3	=	0.6	26 - lb/d	=	0.3	=	0.4		19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	6.3 MO AVG	<=	9.4 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	=					=	1.1	=	1.6		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	=	0.117	=	0.157	03 - MGD							0	99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon WKLY AVG	03 - MGD							0	99/99 - Continuous	IN - INSTAN
					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						=	3	=	14		13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO		13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	4.6	=	4.8	26 - lb/d	=	6	=	8		19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	15.7 MO AVG	<=	23.5 WKLY AVG	26 - lb/d	<=	25 MO AVG	<=	37.5 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
201412_Berrytown_MOR.pdf	pdf	9222
201412_Berrytown_Coverletter.pdf	pdf	17308

Report Last Saved By
 BERRYTOWN WQTC MSD

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

Berrytown	Report for	Dec-14				Tot. Exc.=		0					
Tot. Flow=	3.62478	Concentrations						Pounds					
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot. N
12/1/14	0.127	2	4	0.34		2.111	4.222	0.359	1.55	9.9	7.3	<0.010	15.76
12/2/14	0.139				14					10	7.5	<0.010	
12/3/14	0.107									10	7.5	<0.010	
12/4/14	0.108									9.8	7.5	<0.010	
12/5/14	0.195									10	7.6	<0.010	
12/6/14	0.154									9	6.9	<0.010	
12/7/14	0.272									8.5	6.4	<0.010	
12/8/14	0.182	1	3	0.39		1.521	4.563	0.593	0.418	8.4	6.6	<0.010	7.81
12/9/14	0.142				5					8.2	6.8	<0.010	
12/10/14	0.121									8.2	6.8	<0.010	
12/11/14	0.107									8.4	7.1	<0.010	
12/12/14	0.096									8.8	7.6	<0.010	
12/13/14	0.093									9.3	7.2	<0.010	
12/14/14	0.092									8.6	7.3	<0.010	
12/15/14	0.083	3	7	0.14		2.069	4.829	0.097	1.06	9	7.6	<0.010	13.81
12/16/14	0.100				1					9.3	7.8	<0.010	
12/17/14	0.095									8.8	7.3	<0.010	
12/18/14	0.084									10	6.9	<0.010	
12/19/14	0.080									9.8	7.4	<0.010	
12/20/14	0.077									9.4	7.2	<0.010	
12/21/14	0.077									9.7	7.2	<0.010	
12/22/14	0.071	7	8	0.34		4.150	4.742	0.202	1.21	9.3	6.7	<0.010	17.61
12/23/14	0.098				1					9.1	6.9	<0.010	
12/24/14	0.113									10	7	<0.010	
12/25/14	0.114									9.8	6.8	<0.010	
12/26/14	0.104									9.6	6.9	<0.010	
12/27/14	0.098									9.3	6.8	<0.010	
12/28/14	0.149									9.6	6.9	<0.010	
12/29/14	0.130									8.8	7.1	<0.010	
12/30/14	0.108									9	7	<0.010	
12/31/14	0.108									9.3	7.3	<0.010	
Average	0.117	3	6	0.3	2.89	2	4.589	0.31	1.1	9.25	7	<0.010	13.75
Maximum	0.272	7	8	0.4	14.00	4	4.829	0.6	1.6	10.00	8	<0.010	17.61
Exceed.	30	0	0	0	0	0	0	0					