



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

April 14, 2014

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 – March 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 March 2014.

This plant had one exceedance for fecal. Our daily max permit limit is 400. The fecal exceedance was 1160 which occurred on March 10th. We are unable to determine the cause of the fecal violation. As a precaution, we increased the chlorine and sulfur dioxide feed rates. Follow up sampling indicates the plant is now in compliance.

There were no 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 that reads "Duane V. Wright". The signature is written in a cursive style with a large, stylized "D" and "W".

Duane V. Wright
Process Supervisor Central Region

DVW/Berrytown 03.14

Enclosures

cc: T. Singleton
R. Shaw



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

DMR Copy of Record

Permit

Permit #:
Major:

KY0036501
No

Permittee:
Permittee Address:

BERRYTOWN WQTC MSD
1203 HEAFER RD
LOUISVILLE, KY 40222

Facility:
Facility Location:

BERRYTOWN WQTC MSD
1203 HEAFER RD
LOUISVILLE, KY 40222

Permitted Feature:

001
External Outfall

Discharge:

001-2
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 03/01/14 to 03/31/14

DMR Due Date:

04/28/14

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						=	8					19 - mg/L		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						=	7			=	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	=	4.5	=	5.8	26 - lb/d			=	5	=	6	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	18.8 30DA AVG	<=	37.6 DAILY MX	26 - lb/d			<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.31	=	0.5	26 - lb/d			=	0.3	=	0.6	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	6.26 30DA AVG	<=	12.5 DAILY MX	26 - lb/d			<=	10 30DA AVG	<=	20 DAILY MX	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.124	=	0.24	03 - MGD									99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								<	0.01	<	0.01	19 - mg/L		01/01 - Daily	GR - GRAB
					Permit Req.								<=	.011 MO AVG	<=	.019 DAILY MX	19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample								=	10	=	48	13 - #/100mL		01/07 - Weekly	GR - GRAB
					Permit Req.								<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL	1	01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	3.9	=	4.7	26 - lb/d			=	4	=	5	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	18.8 30DA AVG	<=	37.6 DAILY MX	26 - lb/d			<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L	0	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

See cover letter.

Attachments

Name	Type	Size
B-town032014_MOR.pdf	pdf	25233
B-town032014_COVER.pdf	pdf	18281

Report Last Saved By

BERRYTOWN WQTC MSD

User:

wrightd

Date/Time:

2014-04-24 13:05 (Time Zone: -04:00)

Name:

Duane Wright

E-Mail:

duane.wright@louisvillemsd.org

Berrytown	Report for	Mar-14	Tot. Exc.=		1	Violation						
Tot. Flow=	3.83685	Concentrations			Pounds							
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC
3/1/14	0.110									9.1	7.3	0.01
3/2/14	0.136									9.6	7.1	0.01
3/3/14	0.148	3	2	0.22		3.709	2.473	0.272	0.695	9.1	7.1	0.01
3/4/14	0.141				6					9.8	7.2	0.01
3/5/14	0.130									9	7	0.01
3/6/14	0.157									9.4	7.1	0.01
3/7/14	0.164									10	7	0.01
3/8/14	0.163									10	7	0.01
3/9/14	0.139	5	4	0.28		5.816	4.653	0.326	0.886	10	7.1	0.01
3/10/14	0.133				1160					9.7	7	0.01
3/11/14	0.125									10	7.1	0.01
3/12/14	0.124				2					9.9	7	0.01
3/13/14	0.111									10	6.8	0.01
3/14/14	0.101									11	6.8	0.01
3/15/14	0.105									10	6.8	0.01
3/16/14	0.102	6	5	0.56		5.127	4.273	0.479	1.06	8.3	6.8	0.01
3/17/14	0.107				4					9.4	7	0.01
3/18/14	0.102									9.7	6.8	0.01
3/19/14	0.099									9.9	6.9	0.01
3/20/14	0.098									10	6.9	0.01
3/21/14	0.094									10	6.8	0.01
3/22/14	0.098									10	6.7	0.01
3/23/14	0.098	4	5	0.22		3.277	4.096	0.180	1.42	10	6.9	0.01
3/24/14	0.083				2					11	7	0.01
3/25/14	0.084									10	6.9	0.01
3/26/14	0.080									11	7	0.01
3/27/14	0.076									11	7	0.01
3/28/14	0.094									11	7.1	0.01
3/29/14	0.227									12	7.1	0.01
3/30/14	0.240									11	6.8	0.01
3/31/14	0.167									11	7	0.01
Average	0.124	5	4	0.3	10.22	4	3.874	0.31	1.0	10.06	7	0.01
Maximum	0.240	6	5	0.6	1160.00	6	4.653	0.5	1.4	12.00	7	0.01
Exceed.	31	0	0	0	1	0	0	0				
Day Viol.					1							