



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

December 17, 2013

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 – November 2013

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 November 2013.

Also attached are a bypass letter and overflow report.

There were no exceedences.

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 "Duane V. Wright". The signature is fluid and cursive, with the first name "Duane" being the most prominent.

Duane V. Wright
Process Supervisor Central Region

DVW/Berrytown 11.13

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 11/01/13 to 11/30/13

DMR Due Date:

01/28/14

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						=	7					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			=	8	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	=	2.5	=	3.5	26 - lb/d			=	3	=	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															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.33	=	0.7	26 - lb/d			=	0.3	=	0.5	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	=	0.105	=	0.285	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								=	5	=	30	13 - #/100mL		01/07 - Weekly	GR - GRAB
					Permit Req.								<=	200 30DA GEO	<=	400 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	=	3.3	=	5.1	26 - lb/d			=	4	=	4	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

Attachments

Name	Type	Size
Btown112013_cover.pdf	pdf	16511
201311_BT_overflows.pdf	pdf	70725
Btown112013_MOR.pdf	pdf	24473

Report Last Saved By

BERRYTOWN WQTC MSD

User:

kevin.thompson@louisvillemsd.org

Date/Time:

2013-12-26 13:21 (Time Zone: -05:00)

Name:

Kevin Thompson

E-Mail:

kevin.thompson@louisvillemsd.org

Berrytown												
Tot. Flow=	3.13889	Report for		Nov-13		Tot. Exc.=		0				
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC
11/1/13	0.274									9.5	7	0.01
11/2/13	0.145									9.7	7	0.01
11/3/13	0.110	2	4	0.22		1.839	3.678	0.202	1.13	9.8	6.8	0.01
11/4/13	0.085				3					9.6	6.7	0.01
11/5/13	0.076									9.9	6.6	0.01
11/6/13	0.069									9.7	6.7	0.01
11/7/13	0.091									9.5	6.8	0.01
11/8/13	0.076									9.2	6.7	0.01
11/9/13	0.068									9	6.9	0.01
11/10/13	0.065	2	4	0.22		1.090	2.179	0.120	1.36	7.9	6.8	0.01
11/11/13	0.059				4					8.1	7.3	0.01
11/12/13	0.056									8.8	6.9	0.01
11/13/13	0.056									8.4	7.1	0.01
11/14/13	0.052									8	7.3	0.01
11/15/13	0.051									8.2	7	0.01
11/16/13	0.057									8.2	6.8	0.01
11/17/13	0.110									8.6	7.2	0.01
11/18/13	0.285									7	7.5	0.01
11/19/13	0.205	2	3	0.39		3.421	5.132	0.667	0.279	8.7	7.4	0.01
11/20/13	0.149				30					8.4	7.5	0.01
11/21/13	0.117									8.8	7.3	0.01
11/22/13	0.100									9.1	7.1	0.01
11/23/13	0.089									9.5	7.6	0.01
11/24/13	0.083	5	3	0.45		3.467	2.080	0.312	0.877	10	7.2	0.01
11/25/13	0.103				2					10	7.1	0.01
11/26/13	0.109									11	7	0.01
11/27/13	0.109									10	6.9	0.01
11/28/13	0.105									9.2	6.8	0.01
11/29/13	0.094									9.7	7.1	0.01
11/30/13	0.091									9.9	7	0.01
12/1/13												
Average	0.105	3	4	0.3	5.18	2	3.267	0.33	0.9	9.11	7	0.01
Maximum	0.285	5	4	0.5	30.00	3	5.132	0.7	1.4	11.00	8	0.01
Exceed.	21	0	0	0	0	0	0	0				



IMSAST0004
Overflow Report

Initiated Nov 01, 2013 12:00 AM thru Nov 30, 2013 11:59 PM

Report Selections: Period: 11/01/2013 00:00 thru 11/30/2013 23:59, Excluding PPI Excluding CSO Excluding LAT, Prob Code: BYPAS, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0036501	MSD0209	BERRYTOWN	FLOYDS FORK	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0209	1203 HEAFER RD		FLOYDS FORK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Ref No</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV:RAIN EVENT DISCHARGE	2060993		11/17/13 3:20 pm	MARKS JR	OPS CSHIFT	DOCUMENTED	02/02/2011	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	11/18/13 07:45 AM	

Discharge Reporting:

Discharge Amount:	2,955 GAL
Cause:	LACK OF PLANT CAPACITY
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
Public Notification:	TEMPORARY SIGNS POSTED AT AFFECTED AREA

Notifications:

11/17/13 1:00 pm	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'
11/17/13 1:00 pm	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov'



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KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0036501 (Cont'd)	MSD0209	BERRYTOWN	FLOYDS FORK	CENT

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2060998		11/17/2013 3:20:00PM	OPS CSHIFT	MARKS JR	DOCUMENTED	02/02/2011	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	11/18/13 07:45 AM	

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KY0036501 (Cont'd)	MSD0209	BERRYTOWN	FLOYDS FORK	CENT

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