



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

May 12, 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 – April 2015**

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 April 2015.

There were no exceedances to report.

Also attached is a bypass and overflow 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", written over a white background.

Kevin Thompson
Process Supervisor Central Region

KLT/Berrytown 04.15

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 04/01/15 to 04/30/15	DMR Due Date:	05/28/15
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	24/30 - 24 Per Month	GR - GRAB
					Permit Req.	>=	7 INST MIN								19 - mg/L	01/07 - Weekly		GR - GRAB	
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	6				=	8			12 - SU	0	24/30 - 24 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	=	7	=	16.6	26 - lb/d	=	4	=	9	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		01/07 - Weekly	24 - COMP24	
					Value NODI														
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample	=					=	8	=	12	19 - mg/L	0	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	=	0.8	=	1	26 - lb/d	=	0.5	=	0.6	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		01/07 - Weekly	24 - COMP24	
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample	=					=	0.4	=	1.1	19 - mg/L	0	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	=	0.199	=	0.27	03 - MGD						0	99/99 - Continuous	CN - CONTIN	
					Permit Req.		Req Mon MO AVG		Req Mon WKLY AVG	03 - MGD					99/99 - Continuous		IN - INSTAN		
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	0	24/30 - 24 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	=	81	13 - #/100mL	0	01/07 - Weekly	GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL		01/07 - Weekly	GR - GRAB	
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	5	=	6.7	26 - lb/d	=	3	=	4	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		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_Berrytown_MOR.pdf	pdf	32907
201504_Berrytown_overflowreports.pdf	pdf	227004
2015_Berrytown_bypassletter.pdf	pdf	53496
201504_Berrytown_coverletter.pdf	pdf	46479

Report Last Saved By

BERRYTOWN WQTC MSD

User: kevin.thompson@louisvillemsd.org

Date/Time: 2015-05-22 14:01 (Time Zone: -04:00)

Name: Kevin Thompson

E-Mail: kevin.thompson@louisvillemsd.org

Berrytown		Report for	Apr-15			Tot. Exc.=							
Tot. Flow=	5.96759		Concentrations			0	Pounds						
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot. N
4/1/15	0.102	2	4	0.59		1.703	3.406	0.502	1.07	8.7	6.5	0.01	11.71
4/2/15	0.205				1					8.2	6.6	0.01	
4/3/15	0.029												
4/4/15	0.027												
4/5/15	0.345												
4/6/15	0.272												
4/7/15	0.252									7.9	6.5	0.01	
4/8/15	0.229									7.6	6.4	0.01	
4/9/15	0.280												
4/10/15	0.382				81					7.7	6.6	0.01	
4/11/15	0.272									8.5	6.6	0.01	
4/12/15	0.222	9	3	0.45		16.638	5.546	0.832	0.166	8.8	6.7	0.01	5.82
4/13/15	0.189									7.9	6.4	0.01	
4/14/15	0.318									8.2	6.9	0.01	
4/15/15	0.266	1	3	0.45		2.218	6.655	0.998	0.276	8.5	7.2	0.01	6.5
4/16/15	0.196				1					8.3	7.5	0.01	
4/17/15	0.163									7.7	6.8	0.01	
4/18/15	0.146									7.9	6.6	0.01	
4/19/15	0.223									8.1	6.9	0.01	
4/20/15	0.390												
4/21/15	0.254												
4/22/15	0.183	5	3	0.45		7.615	4.569	0.685	0.265	8.1	6.6	0.01	
4/23/15	0.154				2					8.2	7.5	0.01	7.5
4/24/15	0.133									8.9	7.3	0.01	
4/25/15	0.141									8.7	6.9	0.01	
4/26/15	0.160									8.9	6.8	0.01	
4/27/15	0.129									8.6	6.1	0.01	
4/28/15	0.109									8.1	6.6	0.01	
4/29/15	0.101									8.4	7	0.01	
4/30/15	0.093									8.6	7.1	0.01	
										8	7.3	0.01	
Average	0.199	4	3	0.5	3.57	7	5.044	0.75	0.4	8.27	7	0.01	7.88
Maximum	0.390	9	4	0.6	81.00	17	6.655	1.0	1.1	8.90	8	0.01	11.71
Exceed.	28	0	0	0	0	0	0	0					



Initiated Apr 01, 2015 12:00 AM thru Apr 30, 2015 11:59 PM

Report Selections: Period: 04/01/2015 00:00 thru 04/30/2015 23:59, Excluding PPI Excluding CSO Excluding LAT, 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

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2337674		4/3/15 9:00 am	MARKS JR	OPS BSHIFT CENTRAL	DOCUMENTED	02/02/2011	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	04/04/15 10:20 AM	

Discharge Reporting:

Discharge Amount:	760,000 GAL
Cause:	rain event caused a lack of system capacity and clarifiers overflowed
Clean Up:	msd cleaned & sanitized the area
Control Zone:	temporary signs posted
Impact:	sewage observed
Repair:	the solution for this location can be found in the ioap
Public Notification:	MSD used temporary signs to warn public

Notifications:

4/11/15 1:02 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
-----------------	--------	---



Report Selections: Period: 04/01/2015 00:00 thru 04/30/2015 23:59, Excluding PPI Excluding CSO Excluding LAT, 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
SLS Sewer Lift Station	MSD0209A-PS	1203 HEAFER RD	BERRYTOWN WQTC INFLUENT PS	FLOYDS FORK	GROUND

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2337876		4/3/15 12:42 pm	MARKS JR	OPS BSHIFT CENTRAL	DOCUMENTED	12/17/2001	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/04/15 10:20 AM	

Discharge Reporting:

Discharge Amount:	64,900 GAL
Cause:	rain event caused a lack of system capacity
Clean Up:	msd cleaned & sanitized the area
Control Zone:	temporary signs posted
Impact:	sewage observed
Repair:	a solution for this location can be found in the ioap
Public Notification:	MSD used temporary signs to warn public

Notifications:

4/11/15 1:03 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
-----------------	--------	---



Report Selections: Period: 04/01/2015 00:00 thru 04/30/2015 23:59, Excluding PPI Excluding CSO Excluding LAT, 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
SMH Sewer Manhole	24012	1203 HEAFER RD		CHENOWETH RUN,UPPER	DITCH

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV:RAIN EVENT DISCHARGE	2337681		4/3/15 9:00 am	MARKS JR	OPS BSHIFT CENTRAL	BEYOND APPROVED DESIGN STORM	04/12/2011	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHAGE - WATERS	04/04/15 10:20 AM	

Discharge Reporting:

Discharge Amount:	228,000 GAL
Cause:	rain event caused a lack of system capacity
Clean Up:	msd cleaned & sanitized the area
Control Zone:	temporary signs posted
Impact:	sewage observed
Repair:	a solution for this location can be found in the joap
Public Notification:	MSD used temporary signs to warn the public

Notifications:

4/11/15 1:02 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org'
-----------------	--------	---