

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

June 20, 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 – May 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 May 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,

Duane V. Wright Process Supervisor Central Region

DVW/Berrytown 05.13

Enclosures

cc: T. Singleton R. Shaw



DMR Copy of Record

E-Mail:

kevin.ries@louisvillemsd.org

Permit BERRYTOWN WQTC MSD Permit #: KY0036501 Permittee: Facility: BERRYTOWN WQTC MSD Major: No **Permittee Address:** 1203 HEAFER RD **Facility Location:** 1203 HEAFER RD LOUISVILLE, KY 40222 LOUISVILLE, KY 40222 Discharge: Permitted Feature: 001 001-2 External Outfall SANITARY WASTEWATER Report Dates & Status From 05/01/13 to 05/31/13 **DMR Due Date:** 07/28/13 Status: NetDMR Validated **Monitoring Period: 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** Greg Title: **Executive Director** Telephone: First Name: 502-540-6000 Heitzman **Last Name:** No Data Indicator (NODI) Form NODI: Monitoring Location Season # Param. NODI Parameter **Quantity or Loading Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Units Qualifier 1 Value 1 Qualifier 2 Units Qualifier 1 Qualifier 2 Value 2 Value 2 Sample 01/01 - Daily GR - GRAB 00300 Oxygen, dissolved (DO) 01/07 - Weekly GR - GRAB 1 - Effluent Gross Permit Rea 7 INST MIN 19 - mg/L 0 Value NODI 12 - SU 01/01 - Daily GR - GRAB Sample 00400 pH 1 - Effluent Gross Permit Reg. 6 MINIMUM 9 MAXIMUM 12 - SU 0 01/07 - Weekly GR - GRAB Value NODI CP - COMPOS Sample 2.6 3.6 26 - lb/d 3 19 - mg/L 01/07 - Weekly 00530 Solids, total suspended 1 - Effluent Gross Permit Req. <= 18.8 30DA AVG 37.6 DAILY MX 30 30DA AVG <= 60 DAILY MX 19 - mg/L 01/07 - Weekly CP - COMPOS <= 26 - lb/d Value NODI CP - COMPOS Sample 0.3 0.4 26 - lb/d 0.3 0.5 19 - mg/L 01/07 - Weekly CP - COMPOS 00610 Nitrogen, ammonia total (as N) 1 - Effluent Gross Permit Req. <= 2.5 30DA AVG 5 DAILY MX 26 - lb/d 4 30DA AVG 8 DAILY MX 19 - mg/L 01/07 - Weekly Value NODI 03 - MGD 99/99 - Continuous CN - CONTIN Sample 0.13 0.31 Reg Mon INST MAX 03 - MGD 50050 Flow, in conduit or thru treatment plant 1 - Effluent Gross Reg Mon 30DA AVG 99/99 - Continuous CN - CONTIN Permit Reg. Value NODI Sample 0.01 01/01 - Daily GR - GRAB 0.01 19 - mg/L 50060 Chlorine, total residual 1 - Effluent Gross Permit Reg. .011 MO AVG <= .019 DAILY MX 19 - mg/L 01/07 - Weekly GR - GRAB <= Value NODI 13 - #/100mL 01/07 - Weekly GR - GRAB Sample 74055 Coliform, fecal general 1 - Effluent Gross Permit Req 200 30DA GEO <= 400 7 DA GEO 13 - #/100mL 0 01/07 - Weekly GR - GRAB Value NODI 7.2 CP - COMPOS 01/07 - Weekly Sample 8.3 26 - lb/d 19 - mg/L CP - COMPOS 80082 BOD, carbonaceous, 05 day, 20 C 1 - Effluent Gross 0 18.8 30DA AVG 01/07 - Weekly Permit Req. <= <= 37.6 DAILY MX 26 - lb/d 30 30DA AVG <= 60 DAILY MX 19 - mg/L 0 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 Size Type 20173 B-town05112013_bypass.pdf pdf 16611 B-TOWN052013_MOR.pdf pdf B-town05112013_overflowrpt.pdf pdf 24490 Berrytown052013_cover.pdf 82857 pdf Report Last Saved By **BERRYTOWN WQTC MSD** User: kevin.ries@louisvillemsd.org Date/Time: 2013-06-27 11:18 (Time Zone: -04:00) Name: kevin ries

Berrytown		Report for	May-13		Γot. Exc.=	0	_		
Tot. Flow=	4.01848		Concentr				Pounds		
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.
5/1/13	0.096	2	8	0.34	_	1.6	6.4	0.27	1.14
5/2/13	0.093				2				
5/3/13	0.091								
5/4/13	0.090								
5/5/13	0.251								
5/6/13	0.235								
5/7/13	0.172	_							
5/8/13	0.144	3	6	0.28		3.6	7.2	0.34	0.287
5/9/13	0.126				5				
5/10/13	0.125								
5/11/13	0.138								
5/12/13	0.310								
5/13/13	0.219								
5/14/13	0.173	_							
5/15/13	0.142	3	7	0.22		3.6	8.3	0.26	0.321
5/16/13	0.162				2				
5/17/13	0.157								
5/18/13	0.139								
5/19/13	0.127								
5/20/13	0.104								
5/21/13	0.104								
5/22/13	0.102	2	8	0.45		1.7	6.8	0.38	0.965
5/23/13	0.111				2				
5/24/13	0.089								
5/25/13	0.083								
5/26/13	0.075								
5/27/13	0.075								
5/28/13	0.068								
5/29/13	0.070								
5/30/13	0.068								
5/31/13	0.080								
Average	0.130	3	7	0.3	2.51	2.6	7.2	0.31	0.7
Maximum	0.310	3	8	0.5	5.00	3.6	8.3	0.38	1.1
Exceed.	27	0	0	0	0	0	0	0.00	





May 13, 2013

Mr. Charlie Roth, District Supervisor KY Division of Water Louisville Regional Office 9116 Leesgate Road Louisville, KY 40222-5084

Re: Bypass Report for the Berrytown STP MSD0209A - KPDES Permit KY0036501

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on May 11, 2013, referencing Work Order 1690036 as a Rain event discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: The treatment plant experienced a bypass when a heavy rain event caused elevated water levels in clarifier weirs. The bypassed flow received preliminary and secondary treatment. Because of the elevated levels in the tanks, water overflowed clarifiers. Approximately 143,100 gallons overflowed. The approximate total plant flow for May 11 was .138 MGD and .310 MGD for May 12.
- Period of noncompliance: Starting 08:51 AM on May 11, 2013 and stopping 08:00 AM on May 12, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: If operational needs for resources allow, in the event of heavy rain, MSD will haul water from the plant.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-239-7574, my cell phone at (502)-396-9142 or via email at duane.wright@louisvillemsd.org.

V. Wright Duane V. Wright

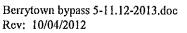
Process Supervisor-Operations

cc:

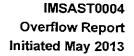
Courtney Seiz, KDEP

Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD

eB File









Report Selections: Last Full Month: 05/2013, Excluding PPI Excluding CSO Excluding LAT, Prob Code: BYPAS, Result: WUS, Act Code: DISDW, DISREV

KPDE	S#
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Facility ID

Water Quality Treatement 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:

Event Date

02/02/2011

Receiving Stream

Discharge to

SPL Sewer Treatment Plant

MSD0209

1203 HEAFER RD

FLOYDS FORK

STREAM

Activity Code / Description : DISREV: RAIN EVENT

WO# 1907786

Initiated 05/11/2013 Initiated By

Assigned To **OPS BSHIFT**

Disch Status DOCUMENTED

Problem BYPASS AT Result

Completed 05/12/13 08:00

DISCHARGE

Ref No 1690036

MARKS JR

CENTRAL

WQTC

UNAUTHORIZED DISCHAGE-WATERS AM Condition

Discharge Reporting:

Discharge Amount:	136,200 GAL
Cause:	PLANT BYPASS REPORTE OF 100GPM FLOW RATE AT 08:51 HRS FROM AERATION TANK AT PLANT DUE TO HIGH FLOW RATE FROM
Clean Up:	RAIN EVENT MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMP SIGNS POSTED
Impact:	SEWAGE AND DEBRIS OBSERVED
Repair:	MSD MAINTENANCE WILL REAPIR TANK
Public Notification;	MSD USED SIGNS TO WARN THE PUBLIC

Notifications:

:			
5/11/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@eparnail.epa.gov, Charlie.Roth@ky.gov	
5/11/13 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov,	•
	:	Charlie.Roth@ky.gov	