



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

January 8, 2012

Ms. Cheryl Edwards
Kentucky Division of Water
200 Fair Oaks Lane, 4th Floor
Frankfort, Kentucky 40601

**Re: MSD Metro Operations
Berrytown WQTC; KPDES No.: KY0036501
Discharge Monitoring Reports – December 2011**

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 2011.

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 12.11

Enclosures

cc: C. Roth (DOW Louisville)
T. Singleton
R. Shaw



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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME BERRYTOWN WOTC MSD
ADDRESS 0/0 CEDAR CREEK WOTC
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
FACILITY BERRYTOWN WOTC MSD
LOCATION LOUISVILLE KY 40222
ATTN: DENNIS THOMASSON, SR METRO OPS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

RY0068501
PERMIT NUMBER
0012
DISCHARGE NUMBER

MINOR
(SUBV LV)
F - FINAL
SANITARY WASTEWATER
EFFLUENT
*** NO DISCHARGE ***

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY

FROM

TO

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DD) 00300 1 0 0 EFFLUENT GROSS VALUE					7				0	1/1	GR
PH 00400 1 0 0 EFFLUENT GROSS VALUE					6.7		8.1		0	1/1	GR
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE		5.2	10.4	LBS/DY		4	7	MG/L	0	1/7	CP
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE		0.38	0.5	LBS/DY		0.3	0.3	MG/L	0	1/7	CP
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 80050 1 0 0 EFFLUENT GROSS VALUE		0.155	0.276	MGD					0	CN	CN
CHLORINE, TOTAL RESIDUAL 80060 1 0 1 EFFLUENT GROSS VALUE						<0.010	<0.010	MG/L	0	1/1	GR
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE						19	343	100ML	0	1/7	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
GREG C. HEITZMAN, PE
INTERIM EXEC. DIR.
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sharon V. ...
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE	DATE		
502-540-6000	12	1	20
AREA CODE	NUMBER	YEAR	MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME BERRYTOWN WQTC MSD
 ADDRESS C/O CEDAR CREEK WQTC
 8408 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY BERRYTOWN WQTC MSD
 LOCATION LOUISVILLE KY 40222
 ATTN: DENNIS THOMASSON, SR METRO OPS

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

KY00036501
 001 2
 PERMIT NUMBER DISCHARGE NUMBER

MINOR
 (SUBR LV)
 F - FINAL
 SANITARY WASTEWATER
 EFFLUENT
 *** NO DISCHARGE 1 1 ***

JEFFS

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY

FROM

TO

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, CARBONACEOUS 5 DAY, 20C 30082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	5.9	7.4	(25)	*****	4	5	(27)	0	1/7	CP
	PERMIT REQUIREMENT	30DA AVG	DAILY MX	LBS/DY	*****	30	60	MG/L			
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 GREG C. HEITZMAN, PE
 INTERIM EXEC. DIR.
 TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Greg C. Heitzman
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE
 502-540-6000 12 1 20
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Berrytown		Report for	Dec-11			Tot. Exc.=		0		
Tot. Flow= 4.798692		Concentrations								
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Pounds Tot. Phos.	
12/1/11	0.178	7	5	0.34		10.418	7.441	0.506	0.605	
12/2/11	0.135				5					
12/3/11	0.117									
12/4/11	0.112									
12/5/11	0.093									
12/6/11	0.203									
12/7/11	0.271									
12/8/11	0.190	3	4	0.17		4.761	6.348	0.270	0.554	
12/9/11	0.148				10					
12/10/11	0.127									
12/11/11	0.114									
12/12/11	0.099									
12/13/11	0.097									
12/14/11	0.085									
12/15/11	0.123	2	4	0.22		2.050	4.101	0.226	0.891	
12/16/11	0.120				7					
12/17/11	0.110									
12/18/11	0.103									
12/19/11	0.094									
12/20/11	0.083									
12/21/11	0.165									
12/22/11	0.220	2	3	0.28		3.662	5.492	0.513	1.06	
12/23/11	0.272				343					
12/24/11	0.202									
12/25/11	0.159									
12/26/11	0.132									
12/27/11	0.276									
12/28/11	0.275									
12/29/11	0.200									
12/30/11	0.161									
12/31/11	0.134									
Average	0.155	3.50	4.00	0.25	18.61	5.22	5.85	0.38	0.78	
Maximum	0.276	7.00	5.00	0.34	343.00	10.42	7.44	0.51	1.06	



700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

December 7, 2011

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 WQTC- 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 December 05, 2011, referencing Work Order 1388761 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: On December 5, 2011, due to increased plant flow caused by storm event, the plant aeration basin overflowed, resulting in a wet weather bypass to waters of U.S. Plant aeration was shut off prior to bypass. Approximately 139,500 gallons overflowed. The design flow to this plant is 0.075 MGD. The peak plant flow during this bypass was 0.879 MGD. The total plant flow for this event cannot be calculated due to the effluent flow exceeding the maximum level for the effluent flow meter probe to read correctly.
- Period of noncompliance: Starting 12:10 PM on December 05, 2011 and stopping 10:40 AM on December 07, 2011.
- Steps taken or planned to reduce, eliminate and prevent recurrence: If operational needs for resources allow, MSD will haul water from the plant.
- Additional comments: No additional comments

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 wrightd@msdlouky.org.

Sincerely,

Duane V. Wright
Process Supervisor-Operations

cc: Gary Levy, KDEP
Paula Purifoy, MSD
eB File





Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, Prob Code: BYPAS, Result: WUS, Act Code: DISDW, DISREV

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISREV: RAIN EVENT DISCHARGE	1388761	12/05/11 12:10 PM	SINGLETON	OPS BSHIFT CENTRAL	DOCUMENTED	02/02/11	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	12/07/11 10:40 AM	

Spot Inspections:

Discharge Amount:	139,500 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE & DEBRIS OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR

Notifications:

12/05/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
12/05/11 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
12/05/11 12:10 PM	DISPUB	TEMPORARY SIGNS POSTED AROUND THE AFFECTED AREA