



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

April 18, 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 – March 2012**

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 2012.

Also attached are bypass letters and overflow reports.

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 3.11

Enclosures

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



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

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

KY0036501 PERMIT NUMBER
 001 2 DISCHARGE NUMBER

MINOR (SUBR LV)
 F - FINAL
 SANITARY WASTEWATER EFFLUENT
 *** NO DISCHARGE 1-1-1 ***
 NOTE: Read Instructions before completing this form.

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
12	03	01		12	03	31

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	7	*****	*****	(19)	0	1/1	GR
PH 00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	7.0	*****	7.6	(12)	0	1/1	GR
SOLIDS, TOTAL SUSPENDED 00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	6.0	*****	9.0	(19)	0	1/7	CP
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	30DA AVG	*****	30	(19)	0	1/7	CP
FLOW, IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	30DA AVG	*****	30DA AVG	(19)	0	1/7	CP
CHLORINE, TOTAL RESIDUAL 50060 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	30DA AVG	*****	30DA AVG	(19)	0	1/1	GR
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	30DA GED	*****	30DA GED	(13)	0	1/7	GR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 GREG C. HETZMAN
 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.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 [Signature]

TELEPHONE DATE
 AREA CODE NUMBER YEAR MO DAY
 502 540 6000 12 4 20

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

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

KY0036501 PERMIT NUMBER
 001 2 DISCHARGE NUMBER

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

JEFFE

MONITORING PERIOD
 FROM 12 03 01 TO 12 03 01

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
BOD, CARBONACEOUS 05 DAY, 20C	4.3	5.6	(26)	*****	4	5	(19)	0 1/2	CP		
80082 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	18.8 30DA AVG	37.6 DAILY MX	LBS/DY	*****	30 30DA AVG	60 DAILY MX	MS/L	WEEKLY	COMPOD	
	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
 INTERIM EXEC DIR.
 TYPED OR PRINTED

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Dennis V. Wright
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE 502 590 6000
 DATE 12 4 20
 AREA CODE NUMBER YEAR MO DAY

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

Berrytown		Report for		Mar-12		Tot. Exc.=		0	
Tot. Flow=		4.98469		Concentrations				Pounds	
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.
3/1/12	0.117	3	4	0.39		2.928	3.904	0.381	1.81
3/2/12	0.160				1				
3/3/12	0.157								
3/4/12	0.129								
3/5/12	0.135								
3/6/12	0.146								
3/7/12	0.146								
3/8/12	0.225	2	3	0.34		3.754	5.631	0.638	1.27
3/9/12	0.285				203				
3/10/12	0.195								
3/11/12	0.155								
3/12/12	0.150								
3/13/12	0.138								
3/14/12	0.121								
3/15/12	0.109	3	5	0.73		2.734	4.556	0.665	1.16
3/16/12	0.223				20				
3/17/12	0.216								
3/18/12	0.292								
3/19/12	0.262								
3/20/12	0.193								
3/21/12	0.042								
3/22/12	0.077	2	5	0.28		1.279	3.198	0.179	0.664
3/23/12	0.200				7				
3/24/12	0.271								
3/25/12	0.188								
3/26/12	0.147								
3/27/12	0.122								
3/28/12	0.110								
3/29/12	0.101								
3/30/12	0.085								
3/31/12	0.086								
Average	0.161	2.50	4.25	0.44	12.98	2.67	4.32	0.47	1.23
Maximum	0.292	3.00	5.00	0.73	203.00	3.75	5.63	0.67	1.81



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March 20, 2012

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 March 18, 2012, referencing Work Order 1447794 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 an extremely unusual and heavy rain event caused elevated water levels in clarifier weirs. Because of the elevated levels in the tanks, water overflowed clarifiers. Approximately 11,250 gallons overflowed. The total plant flow for the day was .292 MGD.
- Period of noncompliance: Starting 10:30 AM on March 18, 2012 and stopping 06:00 PM on March 18, 2012.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD had facility hauled during rain event.

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, 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
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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
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<u>Activity Code / Description</u>	<u>WO #</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	1447794	03/18/12 10:30 AM	FRENCH	OPS BSHIFT CENTRAL	DOCUMENTED	02/02/11	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	03/18/12 06:00 PM	

Spot Inspections:

Discharge Amount:	11,250 GAL
Cause:	OVERFLOW AT CLARIFIER DUE TO INCREASED WET WEATHER FLOW
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE AREA AROUND THE CLARIFIER
Control Zone:	MSD POSTED TEMPORARY SIGNS
Impact:	SEWAGE AND SOLIDS OBSERVED
Repair:	HAULED WQTC UNTIL CLARIFIER WATER LEVELS RETURNED TO NORMAL

Notifications:

03/18/12 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/18/12 01:13 PM	DISPUB	MSD USED SIGNS TO WARN PUBLIC
03/18/12 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



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March 20, 2012

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 March 18, 2012, referencing Work Order 1447800 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 March 18, 2012, 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. Approximately 2,000 gallons overflowed. The design flow to this plant is 0.075 MGD. The peak plant flow during this bypass was 0.360 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. The total plant flow for the day was .292 MGD.
- Period of noncompliance: Starting 10:30 AM on March 18, 2012 and stopping 10:35 AM on March 18, 2012.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD had facility hauled during rain event.
- 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, Result: WUS, Act Code: DISDW, DISREV

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

<u>Activity Code / Description</u>	<u>WO #</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	1447800	03/18/12 10:30 AM	FRENCH	OPS BSHIFT CENTRAL	DOCUMENTED	02/02/11	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	03/18/12 10:35 AM	

Spot Inspections:

Discharge Amount	2,000 GAL
Cause:	RAIN EVENT CAUSED HIGH PLANT FLOW
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE AREA AROUND THE PLANT
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE AND SOLIDS OBSERVED
Repair:	PLANT AIR TURNED OFF AND HAULING OCCURRED UNTIL FLOW RETURNED TO NORMAL LEVELS

Notifications:

03/18/12 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
03/18/12 01:06 PM	DISPUB	MSD WARNED PUBLIC WITH SIGNS
03/18/12 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