



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

February 8, 2013

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

**Re: MSD Metro Operations
McNeely Lake WQTC; KPDES No.: KY0029416
Discharge Monitoring Reports – January 2013.**

Dear Ms. Cheryl Edwards:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the McNeely Lake WQTC, KPDES No.: KY0029416 for the month of January 2013.

Also attached are a bypass letter and an overflow report.

There were no exceedences.

If you have any questions concerning the attached DMRs, please contact me at (502) 540-6031.

Sincerely,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor, Central region

JMK/McNeely Lake 01.13

Enclosures

cc: T. Singleton
R. Shaw



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

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

Form Approved
OMB No. 2040-0004

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

NAME: CEDAR CREEK WQTC
ADDRESS: 8405 CEDAR CREEK RD
LOUISVILLE, KY 40211
FACILITY: MCNEELY LAKE WQTC MSD
LOCATION: 10300 ROD N REEL RD
LOUISVILLE, KY 40229
ATTN: KEVIN RIES

KY0029416	001-1
PERMIT NUMBER	DISCHARGE NUMBER

DMR Mailing ZIP CODE: 40211
MINOR
(SUBR LV) JEFFE
SANITARY WASTEWATER
External Outfall

MONITORING PERIOD	
MM/DD/YYYY	MM/DD/YYYY
FROM 01/01/2013	TO 01/31/2013

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Oxygen, dissolved (DO) 00300 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	8	*****	*****	*****	0	1/1	GR
	PERMIT REQUIREMENT	*****	*****	*****	7 INST MIN	*****	*****	mg/L		Weekly	GRAB
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	6	*****	8	*****	0	1/1	GR
	PERMIT REQUIREMENT	*****	*****	*****	6 MINIMUM	*****	9 MAXIMUM	SU		Weekly	GRAB
Solids, total suspended 00530 1 0 Effluent Gross	SAMPLE MEASUREMENT	11	22	*****	*****	14	31	*****	0	1/7	CP
	PERMIT REQUIREMENT	51 30DA AVG	103 DAILY MX	lb/d	*****	30 30DA AVG	60 DAILY MX	mg/L		Weekly	COMPOS
Nitrogen, ammonia total (as N) 00610 1 2 Effluent Gross	SAMPLE MEASUREMENT	0.4	0.5	*****	*****	0.5	0.5	*****	0	1/7	CP
	PERMIT REQUIREMENT	17 30DA AVG	34 DAILY MX	lb/d	*****	10 30DA AVG	20 DAILY MX	mg/L		Weekly	COMPOS
Phosphorus, total (as P) 00665 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	2.7	3.6	*****	0	1/7	CP
	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	mg/L		Monthly	COMPOS
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.128	0.500	*****	*****	*****	*****	*****	0	CN	CN
	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. INST MAX	MGD	*****	*****	*****	*****		Continuous	CONTIN
Chlorine, total residual 50060 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.010	<0.010	*****	0	1/1	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	.011 30DA AVG	.019 DAILY MX	mg/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER GREG HEITZMAN EX. 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 ensure 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.	TELEPHONE	DATE
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Greg Heitzman</i>	502 540 6000
		AREA Code	NUMBER
		MM/DD/YYYY	

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

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.

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
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MONITORING PERIOD		
MM/DD/YYYY	TO	MM/DD/YYYY
01/01/2013		01/31/2013

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Coliform, fecal general 74055 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	7	19		0	1/2	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	200 30DA GEO	400 7 DA GEO	#/100mL		Weekly	GRAB
BOD, carbonaceous, 05 day, 20 C 80082 1 0 Effluent Gross	SAMPLE MEASUREMENT	4	6		*****	5	8		0	1/2	CP
	PERMIT REQUIREMENT	26 30DA AVG	51 DAILY MX	lb/d	*****	15 30DA AVG	30 DAILY MX	mg/L		Weekly	COMPOS

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER GREG HEYEMAN EX. 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 <i>Deane V. Wright</i>	TELEPHONE		DATE
			AREA Code	NUMBER	MM/DD/YYYY
			572	5465000	02/21/2013

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

McNeely Lake		Report for	Jan-13			Tot. Exc.=	0			
Tot. Flow=	3.97843	Concentrations								
Date	Flow	TSS	BOD	NH3	Fecal	TSS	Pounds BOD	NH3	Tot. Phos.	
1/1/13	0.105	8	4	0.5		7.0	3.5	0.4	2.57	
1/2/13	0.088				13					
1/3/13	0.090									
1/4/13	0.093									
1/5/13	0.106									
1/6/13	0.106									
1/7/13	0.089									
1/8/13	0.084	31	8	0.5		21.8	5.6	0.4	3.62	
1/9/13	0.083				19					
1/10/13	0.079									
1/11/13	0.116									
1/12/13	0.132									
1/13/13	0.500									
1/14/13	0.347									
1/15/13	0.196									
1/16/13	0.162									
1/17/13	0.133	2	2	0.45		2.2	2.2	0.5	1.42	
1/18/13	0.104				2					
1/19/13	0.110									
1/20/13	0.105									
1/21/13	0.099									
1/22/13	0.092	15	6	0.45		11.5	4.6	0.3	3.07	
1/23/13	0.084				6					
1/24/13	0.085									
1/25/13	0.077									
1/26/13	0.088									
1/27/13	0.093									
1/28/13	0.085									
1/29/13	0.089									
1/30/13	0.190									
1/31/13	0.168									
Average	0.128	14.00	5.00	0.48	7.38	10.63	3.99	0.41	2.67	
Maximum	0.500	31.00	8.00	0.50	19.00	21.80	5.63	0.50	3.62	



700 West Liberty Street
Louisville Kentucky 40203-1911
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January 4, 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 Mcneely Lake WQTC – KPDES Permit KY0029416

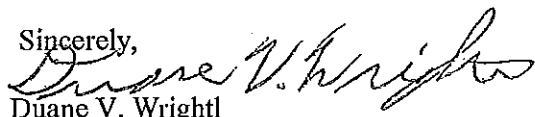
Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 AM on January 04, 2013, referencing Work Order #1619146 as a Dry weather 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 January 3, 2013, approximately 100 gallons of raw sewage bypassed treatment at McNeely Lake WQTC. The bypassed volume overflowed the plant influent pump station. A high wet well alarm occurred at 2:50 PM. However, MSD computer room personnel did not notify operations field staff of the alarm. MSD operations supervision personnel noticed the alarm at 3:20 PM while checking our telemetry system. Our personnel arrived at McNeely Lake WQTC at 3:30 PM and found the plant influent wet well overflowing and raw sewage running into the creek. MSD personnel found both raw sewage pumps were in the "OFF" position on the control panel.
- Period of noncompliance: Starting 03:30 PM on January 03, 2012 and stopping 03:35 PM on January 03, 2012.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD personnel turned on the raw sewage influent pumps and placed them in the "AUTO" position. We have already begun an investigation to determine the cause of the pumps to be turned off. We will also re-train operations personnel to prevent a recurrence.

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.

Sincerely,

Duane V. Wright
Process Supervisor-Operations



Mr. Charlie Roth, District Supervisor

KY Division of Water

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cc: Courtney Seiz, KDEP

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



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

KPDES # KY0029416	Facility ID MSD0228	Water Quality Treatment Center MCNEELY LAKE	Receiving Stream of Treatment Center PENNSYLVANIA RUN	Region CENT
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Facility Type SPL Sewer Treatment Plant	Facility ID MSD0228	Facility Address 10300 ROD N REEL RD	If Pump Station, Name of Pump Station:	Receiving Stream PENNSYLVANIA RUN	Discharge to STREAM
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Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
DISDW: DRY WEATHER DISCHARGE	1619146	01/03/13 03:30 PM	GREEN	OPS CSHIFT	REPAIRED - ISSUE RESOLVED	01/03/13	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE-WATER S	01/03/13 03:35 PM	

Spot Inspections:

Discharge Amount:	100 GAL
Cause:	OPERATOR ERROR. PUMP SELECTOR SWITCH LEFT IN OFF POSITION.
Clean Up:	MSD CLEANED, SANITIZED, & LIMED THE AREA.
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	SELECTOR SWITCH PUT IN ON POSITION.

Notifications:

01/03/13 04:33 PM	DISPUB	MSD WARNED THE PUBLIC WITH TEMPORARY SIGNS
01/03/13 04:34 PM	DISNOT	
01/03/13 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov and LisaA.Jeffries@ky.gov