



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

December 17, 2012

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 – November 2012.**

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 November 2012.

During the month of November we experienced 2 exceedences for TSS monthly concentration average and daily max for concentration. After analyzing plant MLSS, we believe this was due plant performance issues associated with Nocardia. We determined the best corrective action was to chlorinate plant biomass and re-seed plant with new biomass. On November 13, 2012, we re-seeded plant with new biomass. On November 14, 2012, we re-sampled effluent TSS which resulted in 17 mg/l, therefore bringing the plant back into compliance on TSS.

We also reported an exceedence for our fecal result in November. Although the plant DMR states a 7 day geometric mean, the plant permit states a daily maximum of 400 colonies. After additional fecal samples were analyzed the 7 day geometric mean is 19. The daily max fecal result is 1680. We are not sure of the cause of the elevated fecal result. The pre-effluent residual chlorine concentration was 2.2 mg/l prior to obtaining the fecal sample.

There were no bypasses or overflow reports during the month of November for the Mcneely Lake WQTC.

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

Sincerely,

John Kessel
Process Supervisor, West region



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: NEXT TO 10206 ROD & REEL LN
LOUISVILLE, KY 00000
ATTN: DENNIS THOMASSON, SR METRO OPS

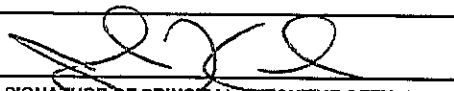
KY0029416	001-1
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
11/01/2012	FROM	11/30/2012	TO

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)	SAMPLE MEASUREMENT	*****	*****	*****	7	*****	*****		0	01/01	GR
00300 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	7 INST MIN	*****	*****	mg/L		Weekly	GRAB
pH	SAMPLE MEASUREMENT	*****	*****	*****	6	*****	7		0	01/01	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	6 MINIMUM	*****	9 MAXIMUM	SU		Weekly	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	18	50		*****	33	102		2	05/30	CP
00530 1 0 Effluent Gross	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)	SAMPLE MEASUREMENT	0.7	2		*****	1	4		0	01/07	CP
00610 1 2 Effluent Gross	PERMIT REQUIREMENT	17 30DA AVG	34 DAILY MX	lb/d	*****	10 30DA AVG	20 DAILY MX	mg/L		Weekly	COMPOS
Phosphorus, total (as P)	SAMPLE MEASUREMENT	*****	*****	*****	*****	4.7	8.8		0	01/07	CP
00665 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. 30DA AVG	Req. Mon. DAILY MX	mg/L		Monthly	COMPOS
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.072	0.102		*****	*****	*****	*****	0	EN	EN
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. 30DA AVG	Req. Mon. INST MAX	MGD	*****	*****	*****	*****		Continuous	CONTIN
Chlorine, total residual	SAMPLE MEASUREMENT	*****	*****	*****	*****	<0.010	<0.010		0	01/01	GR
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	.011 30DA AVG	.019 DAILY MX	mg/L		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Exec Dir Greg Hesterman 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	TELEPHONE	DATE
			502 540-6000	12-19-2012
			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)
DISCHARGE MONITORING REPORT (DMR)

Form Approved
OMB No. 2040-0004

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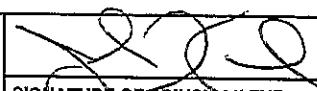
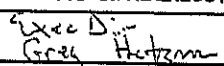
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MONITORING PERIOD			
MM/DD/YYYY		MM/DD/YYYY	
FROM	11/01/2012	TO	11/30/2012

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	SAMPLE MEASUREMENT	*****	*****	*****	*****	9	1680		1	06/30	GR
74055 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	200 30DA GEO	400 7 DA GEO	#/100mL		Weekly	GRAB
BOD, carbonaceous, 05 day, 20 C	SAMPLE MEASUREMENT	6	13		*****	12	26		0	01/07	CP
80082 1 0 Effluent Gross	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	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.		TELEPHONE	DATE
 TYPED OR PRINTED			502 540-6000	12-21-2012
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		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 NDI=9 for the Season not needed.

McNeely Lake		Report for	Nov-12		Tot. Exc.=	2 Violation						
Tot. Flow= 2.16772			Concentrations			Pounds						
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC
11/1/12	0.06	21	8	0.45	1680	11.309	4.308	0.242	3.76			
11/2/12	0.05											
11/3/12	0.06											
11/4/12	0.07											
11/5/12	0.06				2							
11/6/12	0.07				2							
11/7/12	0.07											
11/8/12	0.06	102	26	3.9		50.148	12.783	1.917	8.82			
11/9/12	0.06				2							
11/10/12	0.08											
11/11/12	0.08											
11/12/12	0.09											
11/13/12	0.10											
11/14/12	0.08	17				11.643						
11/15/12	0.07	5	2	0.34		3.003	1.201	0.204	1.89			
11/16/12	0.07				3							
11/17/12	0.07											
11/18/12	0.08											
11/19/12	0.07											
11/20/12	0.07											
11/21/12	0.07											
11/22/12	0.07											
11/23/12	0.07											
11/24/12	0.07											
11/25/12	0.08	20	10	0.5		13.040	6.520	0.326	4.27			
11/26/12	0.08				18							
11/27/12	0.07											
11/28/12	0.08											
11/29/12	0.08											
11/30/12	0.07											
Average	0.072	33.00	11.50	1.30	9.48	17.83	6.20	0.67	4.69	0.00	0.00	0.00
Maximum	0.102	102.00	26.00	3.90	19.00	50.15	12.78	1.92	8.82	0.00	0.00	0.00