



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

May 18, 2011

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

**Re: MSD Metro Operations
Chenoweth Run WQTC
KPDES No.: KY0042226
Discharge Monitoring Reports – April 2011**

Dear Ms. Edwards:

Attached is the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Chenoweth Run WQTC, KPDES No.: KY0042226 for the month of April 2011.

Also attached are bypass letters and overflow reports.

There were no exceedences.

If you have any questions concerning the attached DMR's, please contact me at (502) 239-7574.

Sincerely,

Duane V. Wright
Process Supervisor Central Region

DVW/ Chen. Run 4.11

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 CHENOWETH RUN WQTC
 ADDRESS C/O CEDAR CREEK WQTC
 6408 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY CHENOWETH RUN WQTC
 LOCATION LOUISVILLE KY 40226
 ATTN: DENNIS THOMASSON, SR METRO OPS

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

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

PERMIT NUMBER
 DISCHARGE NUMBER

MONITORING PERIOD						
YEAR	MO.	DAY	TO	YEAR	MO.	DAY

FROM

TO

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				
OXYGEN, DISSOLVED (DO) 00300 1 0 0 EFFLUENT GROSS VALUE					8					0	0/07	GR
	PERMIT REQUIREMENT			****	INST MIN			MG/L				
PH 00400 1 0 0 EFFLUENT GROSS VALUE					6.9		7.0			0	0/07	GR
	PERMIT REQUIREMENT			****	MINIMUM		MAXIMUM	SU				
SOLIDS, TOTAL SUSPENDED 00500 1 0 0 EFFLUENT GROSS VALUE		40	51			10	14			0	0/07	CP
	PERMIT REQUIREMENT	30DA AVG	DAILY MX	LB/ADY		30DA AVG	DAILY MX	MG/L				
NITROGEN, AMMONIA TOTAL (AS N) 00610 1 2 0 EFFLUENT GROSS VALUE		5.6	20.2			0.9	3			0	0/07	CP
	PERMIT REQUIREMENT	30DA AVG	DAILY MX	LB/ADY		30DA AVG	DAILY MX	MG/L				
PHOSPHORUS, TOTAL (AS P) 00665 1 0 0 EFFLUENT GROSS VALUE						3.5	4.4			0	0/07	CP
	PERMIT REQUIREMENT			****		30DA AVG	DAILY MX	MG/L				
FLOW IN CONDUIT OR THRU TREATMENT PLANT 50050 1 0 0 EFFLUENT GROSS VALUE		0.588	0.492							D	CN	CN
	PERMIT REQUIREMENT	30DA AVG	INST MAX	MGD				****			CDUS	
CHLORINE, TOTAL RESIDUAL 50060 1 0 0 EFFLUENT GROSS VALUE						<0.010	<0.010			0	0/07	GR
	PERMIT REQUIREMENT			****		30DA AVG	DAILY MX	MG/L				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 H. J. SCHARDEIN, JR.
 EXECUTIVE DIRECTOR
 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.

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

TELEPHONE DATE
 502 540-1000 11 05 23
 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 CHENOMETH RUN WQTC
 ADDRESS C/O CEDAR CREEK WQTC
 8405 CEDAR CREEK RD
 LOUISVILLE KY 40211
 FACILITY CHENOMETH RUN WQTC
 LOCATION LOUISVILLE KY 40223
 ATTN: DENNIS THOMASSEN, SR. METRO OPS

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

WQTC#223	0012
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD						
YEAR	MO:	DAY:	TO	YEAR	MO:	DAY:

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				
GENERAL FACIAL						2	7			0	%07	GR
74055 1 0 0				***								
EFFLUENT GROSS VALUE				***		30DA GED	7 DA GED	100ML				
500, CARBONACEOUS												
05 DAY, 200		26.1	39.1			7	10			0	%07	LP
80052 1 0 0												
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 H.J. SCHARDEIN, JR.
 EXECUTIVE DIRECTOR
 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.

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

TELEPHONE		DATE		
502.540.0000		11	05	23
AREA CODE	NUMBER	YEAR	MO	DAY

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

LAKE FOREST		Report for	Apr-11		Tot. Exc.=		0			
Tot. Flow=	17.646		Concentrations				Pounds		Conc.	
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	T Phos	
4/1/11	0.341									
4/2/11	0.326									
4/3/11	0.285	8	6	0.34	1	19.015	14.261	0.808	4.37	
4/4/11	0.443									
4/5/11	0.537									
4/6/11	0.337									
4/7/11	0.294									
4/8/11	0.388									
4/9/11	0.405									
4/10/11	0.439	14	6	0.22	1	51.258	21.968	0.805	3.66	
4/11/11	0.439									
4/12/11	0.955									
4/13/11	0.896									
4/14/11	0.773									
4/15/11	0.434									
4/16/11	0.564									
4/17/11	0.469	12	10	0.11	3	46.938	39.115	0.430	2.34	
4/18/11	0.416									
4/19/11	0.372									
4/20/11	0.526									
4/21/11	0.423									
4/22/11	0.451									
4/23/11	0.842									
4/24/11	0.985									
4/25/11	0.992									
4/26/11	0.931									
4/27/11	0.95									
4/28/11	0.968									
4/29/11	0.865	6	4	2.8	7	43.285	28.856	20.199		
4/30/11	0.6									
Average	0.588	10.00	6.50	0.87	2.14	40.12	26.05	5.56	3.46	
Maximum	0.992	14.00	10.00	2.80	7.00	51.26	39.11	20.20	4.37	



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Louisville Kentucky 40203-1911
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April 14, 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: Chenoweth Run WQTC- KPDES Permit: KY0042226

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on April 12, 2011, referencing Work Order 1243078 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 April 12, 2011, due to increased plant flow caused by a rain event, this plant experienced a bypass of the secondary treatment system. The plant aeration tanks overflowed due to lack of capacity. The bypassed volume received preliminary treatment, but did not receive full secondary treatment or chlorination/dechlorination treatment. Plant Aeration was shut off prior to bypass. The Peak flow for the event was .9646 MGD and the total flow for the event was .6236 MG. The total flow for the day was .955 MG. Approximately 550,000 overflowed. The design flow to this plant is 0.470 MGD.
- Period of noncompliance: Starting 09:15 AM on April 12, 2011 and stopping 05:00 PM on April 12, 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, Prob Code: BYPAS, Result: WUS, Act Code: DISDW, DISREV

KPDES # KY0042226	Facility ID MSD0403	Water Quality Treatment Center CHENOWETH RUN	Receiving Stream of Treatment Center CHENOWETH RUN	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0403	14000 BECKLEY TRCE		CHENOWETH RUN	GROUND

<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	1243078	04/12/11 09:15 AM	ELDER	WRIGHT	DOCUMENTED	05/20/05	BYPASS AT WQTC	UNAUTHORIZED DISCHAGE - WATERS	04/12/11 05:00 PM	

Spot Inspections:

Discharge Amount:	550,000 GAL
Cause:	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED AROUND AFFECTED AREA
Impact:	SEWAGE ON THE GROUND
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR

Notifications:

04/12/11 11:14 AM	DISPUB	Temporary signs placed around affected area
04/12/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/12/11 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



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

KPDES # KY0042226 (Cont'd)
 Facility ID MSD0403
 Water Quality Treatment Center CHENOWETH RUN
 Receiving Stream of Treatment Center CHENOWETH RUN
 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	1252909	04/27/11 08:00 AM	MARKS JR	SCROGGIN	DOCUMENTED	05/20/05	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	04/28/11 03:00 AM	

Spot Inspections:

Discharge Amount:	228,000 GAL
Cause:	RAIN EVENT CAUSED LACK OF SYSTEM CAPACITY
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION IS LOCATED IN THE IOAP

Notifications:

04/27/11 09:27 AM	DISPUB	msd notified public with signs
04/27/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/27/11 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

Total Facilities Printed: 7
Total Work Orders Printed: 12