



Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)

June 24, 2011

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

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

A handwritten signature in cursive script, appearing to read "Duane V. Wright".

Duane V. Wright  
Process Supervisor Central Region

DVW/ Chen. Run 5.11

Enclosures

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



Beneficial Use of Louisville's Biosolids  
[www.louisvillegreen.com](http://www.louisvillegreen.com)

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

NAME CHENDWETH RUN WQTC  
 ADDRESS C/O CEDAR CREEK WQTC  
 8405 CEDAR CREEK RD  
 LOUISVILLE KY 40211  
 FACILITY CHENDWETH RUN WQTC  
 LOCATION LOUISVILLE KY 40223  
 ATTN: DENNIS THOMASSON, SR METRO OPS

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

KY0042226  
 PERMIT NUMBER  
 001 2  
 DISCHARGE NUMBER

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

JEFFE

NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE								
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS											
OXYGEN, DISSOLVED (DO)	SAMPLE MEASUREMENT	*****	*****		8	*****	*****	( 19 )	0	0%	GR								
00300 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	7	*****	*****	INST MIN		WEEKLY	GRAB								
EFFLUENT GROSS VALUE								MG/L											
PH	SAMPLE MEASUREMENT	*****	*****		7.0	*****	7.2	( 12 )	0	0%	GR								
00400 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	6.0	*****	9.0	MINIMUM		WEEKLY	GRAB								
EFFLUENT GROSS VALUE								SU											
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	52	96	( 26 )	*****	12	17	( 19 )	0	0%	CP								
00530 1 0 0	PERMIT REQUIREMENT	115	236		*****	30	60			WEEKLY	PURPOS								
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L											
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	5.88	14.0	( 26 )	*****	1	2	( 19 )	0	0%	CP								
00610 1 1 0	PERMIT REQUIREMENT	7.84	15.7		*****	2	4			WEEKLY	PURPOS								
EFFLUENT GROSS VALUE		30DA AVG	DAILY MX	LBS/DY		30DA AVG	DAILY MX	MG/L											
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****		*****	3.6	5.6	( 19 )	0	0%	CP								
00665 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT	REPORT			WEEKLY	PURPOS								
EFFLUENT GROSS VALUE						30DA AVG	DAILY MX	MG/L											
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.480	0.951	( 03 )	*****	*****	*****		0	CN	CN								
00050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT		*****	*****	*****	*****		CONTINUOUS	CONTINUOUS								
EFFLUENT GROSS VALUE		30DA AVG	INST MAX	MGD															
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	*****	*****		*****	<0.010	<0.010	( 19 )	0	0%	GR								
00060 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****	0.011	0.017			WEEKLY	GRAB								
EFFLUENT GROSS VALUE						30DA AVG	DAILY MX	MG/L											
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											
H.J. SCHARDEIN, JR.  EXEC. DIR.						5025466000		11 06 24											
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				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 CHENOWETH RUN WQTC  
ADDRESS C/O CEDAR CREEK WQTC  
6405 CEDAR CREEK RD  
LOUISVILLE KY 40211  
FACILITY CHENOWETH RUN WQTC  
LOCATION LOUISVILLE KY 40223  
ATTN: DENNIS THOMASSEN, SR METRO OPS

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

KY0042226

PERMIT NUMBER

001 2

DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
11	05	01		11	05	31

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

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
COLIFORM, FECAL GENERAL 74055 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****		*****	3	24	( 13)		0 %	GR
	PERMIT REQUIREMENT	*****	*****	****	*****	200	400	#/ 30DA GED		WEEKLY	GRAB
BOD, CARBONACEOUS 05 DAY, 20C 50082 1 0 0 EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	24.3	38.2	( 26)	*****	6	10	( 17)		0 %	CP
	PERMIT REQUIREMENT	37.2	78.4		*****	10	20	30DA AVG DAILY MX MG/L		WEEKLY	COMPOS
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER  
A.J. SCHARREIN, JR.  
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.

Diane V. Wright

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE

502-540-6000

DATE

11 06 24

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

EPA Form 3320-1 (Rev. 3/99) Previous editions may be used. 02040 / 17000 4.4.2005 PAGE -OF-

LAKE FOREST		Report for	May-11		Tot. Exc.=		0			
Tot. Flow=	14.868		Concentrations				Pounds		Conc.	
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	T Phos	
5/1/11	0.554									
5/2/11	0.712									
5/3/11	0.951									
5/4/11	0.927									
5/5/11	0.764	15	6	2.2	24	95.576	38.231	14.018	1.82	
5/6/11	0.42									
5/7/11	0.416									
5/8/11	0.427	17	10	1.4	1	60.540	35.612	4.986	2.48	
5/9/11	0.39									
5/10/11	0.345									
5/11/11	0.363									
5/12/11	0.367									
5/13/11	0.396									
5/14/11	0.346									
5/15/11	0.387	8	3	0.24	2	25.821	9.683	0.775	4.48	
5/16/11	0.362									
5/17/11	0.326									
5/18/11	0.33									
5/19/11	0.328									
5/20/11	0.335									
5/21/11	0.384									
5/22/11	0.408	8	4	1.1	1	27.222	13.611	3.743	5.56	
5/23/11	0.523									
5/24/11	0.584									
5/25/11	0.424									
5/26/11	0.771									
5/27/11	0.634									
5/28/11	0.425									
5/29/11	0.487									
5/30/11	0.407									
5/31/11	0.375									
Average	0.480	12.00	5.75	1.24	2.63	52.29	24.28	5.88	3.59	
Maximum	0.951	17.00	10.00	2.20	24.00	95.58	38.23	14.02	5.56	



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

May 3, 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:

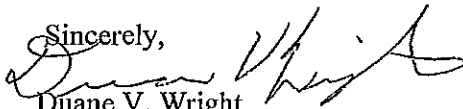
This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on May 03, 2011, referencing Work Order 1258039 as a rain event discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Provided below are the details of the bypass event:

- Description of the noncompliance and its cause: On May 3, 2011, due to increased plant flow caused by a rain event, the plant aeration tanks overflowed, resulting in a wet weather bypass to waters of the US. The bypassed volume received full treatment except for disinfection. Approximately 5,875 gallons bypassed. The design flow of this plant is 0.470 mgd. The total daily flow was 0.951 mgd. The peak flow during the time of bypass was 1.005 mgd.
- Period of noncompliance: Starting 10:25 AM on May 03, 2011 and stopping 02:20 PM on May 03, 2011.
- Steps taken or planned to reduce, eliminate and prevent recurrence: If operational needs for resources allow, MSD will haul water from the plant.

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](mailto:wrightd@msdlouky.org).

Sincerely,

  
Duane V. Wright  
Process Supervisor-Operations

cc: Gary Levy, KDEP  
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD  
eB File





Initiated May 01, 2011 12:00 AM thru May 31, 2011 11:59 PM

Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, 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				
Facility Type SPL Sewer Treatment Plant	Facility ID MSD0403	Facility Address 14000 BECKLEY TRCE	If Pump Station, Name of Pump Station: CHENOWETH RUN		Discharge to GROUND					
<u>Activity Code / Description</u> DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> 1258039	<u>Initiated</u> 05/03/11 10:25 AM	<u>Initiated By</u> ELDER	<u>Assigned To</u> WRIGHT	<u>Disch Status</u> DOCUMENTED	<u>Event Date</u> 05/20/05	<u>Problem</u> BYPASS AT WQTC	<u>Result</u> UNAUTHORIZED DISCHARGE - WATERS	<u>Completed</u> 05/03/11 02:20 PM	<u>Condition</u>

## Spot Inspections:

Discharge Amount:	5,875 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
Impact:	SEWAGE/WATER DISCHARGING FROM ALL TANKS
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR

## Notifications:

	DISPUB	Placed temporary signs around the impacted area
05/03/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/03/11 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: 2  
Total Work Orders Printed: 3

Initiated May 01, 2011 12:00 AM thru May 31, 2011 11:59 PM

Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, 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					
Facility Type		Facility ID		Facility Address		If Pump Station, Name of Pump Station:		Receiving Stream		Discharge to	
SMN Sewer Main		80397B-AG		512 LAKE FOREST PKY				CHENOWETH RUN,UPPER		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>
DISDW: DRY WEATHER DISCHARGE		1262728	05/14/11 08:55 AM	ELDER	THOMPSON	REPAIRED - ISSUE RESOLVED	05/14/11	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	05/14/11 08:59 AM	

**Spot Inspections:**

Discharge Amount:	450 GAL
Cause:	FM PIPE BROKE WHILE UNDER REPAIR BY MTN CONSTRUCTION
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS AROUND IMPACTED AREA
Impact:	SEWAGE FLOWING ON THE GROUND TO CATCH BASIN AT STREET
Repair:	CONTRACTOR REPAIRING FORCE MAIN

**Notifications:**

	DISPUB	Temporary signs & door hanger at 512 Lake Forest Parkway
05/14/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov