



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

June 20, 2013

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

**Re: MSD Metro Operations  
Chenoweth Hills WQTC; KPDES No.: KY0029459  
Discharge Monitoring Reports – May 2013**

Dear Ms. Edwards:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Chenoweth Hills WQTC, KPDES No.: KY0029459 for the month of May 2013.

Also attached are a bypass letter and overflow report.

There were no exceedences.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Duane V. Wright".

Duane V. Wright  
Process Supervisor Central Region

DVW/Chenoweth Hills 5.13

Enclosures

cc: R. Shaw  
T. Singleton



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

# DMR Copy of Record

<b>Permit</b>			
Permit #:	KY0029459	Permittee:	CHENOWETH HILLS WQTC MSD
Major:	No	Permittee Address:	4305 ST RENE CT JEFFERSONTOWN, KY 40299
Permitted Feature:	001 External Outfall	Discharge:	001-1 SANITARY WASTEWATER
Facility:		Facility Location:	CHENOWETH HILLS WQTC MSD 4305 ST RENE CT JEFFERSONTOWN, KY 40299

<b>Report Dates &amp; Status</b>			
Monitoring Period:	From 05/01/13 to 05/31/13	DMR Due Date:	07/28/13
Status:	NetDMR Validated		

**Considerations for Form Completion**  
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.

<b>Principal Executive Officer</b>			
First Name:	Greg	Title:	Executive Director
Last Name:	Heitzman	Telephone:	502-540-6000

**No Data Indicator (NODI)**  
Form NODI: --

Code	Parameter Name	Monitoring Location	Season #	Param. NODI	Quantity or Loading					Quality or Concentration					# of Ex.	Frequency of Analysis	Sample Type		
					Qualifier 1	Value 1	Qualifier 2	Value 2	Units	Qualifier 1	Value 1	Qualifier 2	Value 2	Qualifier 3				Value 3	Units
00300	Oxygen, dissolved (DO)	1 - Effluent Gross	0	--	Sample	=	7				=	7				19 - mg/L	0	25/30 - 25 Per Month 01/07 - Weekly	GR - GRAB GR - GRAB
					Permit Req.	>=	7 INST MIN							19 - mg/L					
					Value NODI														
00400	pH	1 - Effluent Gross	0	--	Sample	=	7				=	8			12 - SU	0	01/01 - Daily 01/07 - Weekly	GR - GRAB GR - GRAB	
					Permit Req.	>=	6 MINIMUM			<=	9 MAXIMUM			12 - SU					
					Value NODI														
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	3	=	5	26 - lb/d	=	3	=	5	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	50 30DA AVG	<=	100 DAILY MX	26 - lb/d	<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total (as N)	1 - Effluent Gross	1	--	Sample	=	0.69	=	1.2	26 - lb/d	=	0.7	=	1	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	6.67 30DA AVG	<=	13.3 DAILY MX	26 - lb/d	<=	4 30DA AVG	<=	8 DAILY MX	19 - mg/L				
					Value NODI														
00665	Phosphorus, total (as P)	1 - Effluent Gross	0	--	Sample						=	2.8	=	4	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS CP - COMPOS	
					Permit Req.						Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L					
					Value NODI														
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.139	=	0.347	03 - MGD						0	99/99 - Continuous 99/99 - Continuous	CN - CONTIN CN - CONTIN	
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD									
					Value NODI														
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample						<	0.01	<	0.01	19 - mg/L	0	01/01 - Daily 01/07 - Weekly	GR - GRAB GR - GRAB	
					Permit Req.						<=	.011 30DA AVG	<=	.019 DAILY MX	19 - mg/L				
					Value NODI														
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample						=	12	=	50	13 - #/100mL	0	01/07 - Weekly 01/07 - Weekly	GR - GRAB GR - GRAB	
					Permit Req.						<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL				
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	4	=	5	26 - lb/d	=	4	=	4	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS CP - COMPOS	
					Permit Req.	<=	50 30DA AVG	<=	100 DAILY MX	26 - lb/d	<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L				
					Value NODI														

**Submission Note**  
If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

**Edit Check Errors**  
No errors.

**Comments**

<b>Attachments</b>		
Name	Type	Size
CHENHILLS052013_MOR.pdf	pdf	16600
Chenhills05162013_bypass.pdf	pdf	20578
ChenHills052013_cover.pdf	pdf	16715
Chenhills05162013_ovrflowrpt.pdf	pdf	22323

**Report Last Saved By**  
CHENOWETH HILLS WQTC MSD  
User: kevin.ries@louisvillemsd.org | Date/Time: 2013-06-27 11:23 (Time Zone: -04:00)

Name: kevin ries

E-Mail: kevin.ries@louisvillemsd.org





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

May 17, 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 Chenoweth Hills WQTC – KPDES Permit KY0029459**

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 16, 2013, referencing Work Order 1691666 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: The facility's backup generator failed to start and transfer power to plant equipment during a utility power interruption of the grounded power phase. The power failure caused 958 gallons of plant effluent wastewater to overflow the effluent pump station. Bypassed volume received full treatment. Upon arrival at facility, MSD personnel started the generator and transferred power. MSD's contractor diagnosed that the generator transfer switch could not identify a loss of the grounded power phase. MSD personnel reviewed generator preventive maintenance records.
- Period of noncompliance: Starting 06:40 AM on May 16, 2013 and stopping 06:49 AM on May 16, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD's contractor installed an additional power monitor in the transfer switch which will detect the loss of a grounded power phase.

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](mailto:duane.wright@louisvillemsd.org).

Sincerely,

Duane V. Wright  
Process Supervisor-Operations

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





Report Selections: Last Full Month: 05/2013, Excluding PPI Excluding CSO Excluding LAT, Prob Code: BYPAS, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Water Quality Treatment Center	Receiving Stream of Treatment Center	Region
KY0029459	MSD0263	CHENOWETH HILLS	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0263	4305 ST RENE CT		CHENOWETH RUN	STREAM

Activity Code / Description	WO #	Ref No	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed	Condition
: DISDW: DRY WEATHER DISCHARGE	1909417	1691666	05/16/2013		OPS BSHIFT CENTRAL	DOCUMENTED	09/27/2002	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/16/13 06:49 AM	

**Discharge Reporting:**

Discharge Amount:	958 GAL
Cause:	LG&E POWER FAIL & THE GENERATOR FAILED TO START
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS
Impact:	SEWAGE OBSERVED
Repair:	LG&E RESTORED POWER.
Public Notification:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA

**Notifications:**

5/16/13 1:00 am	DISNOT	Email notification of unauthorized discharge sent to eppc.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov
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Total Facilities Printed: 2

Total Work Orders Printed: 2