

MSD

Metropolitan Sewer District

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

July 15, 2014

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

**Re: MSD Metro Operations
Chenoweth Hills WQTC; KPDES No.: KY0029459
Discharge Monitoring Reports –June 2014**

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 June 2014.

Also attached are a bypass letter and overflow report.

There were no exceedances.

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

Sincerely,



Duane V. Wright
Process Supervisor Central Region

DVW/Chenoweth Hills 06.14

Enclosures

cc: R. Shaw
T. Singleton



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

DMR Copy of Record

Permit			
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

Report Dates & Status			
Monitoring Period:	From 06/01/14 to 06/30/14	DMR Due Date:	07/28/14
Status:	NetDMR Validated		

Considerations for Form Completion

Principal Executive Officer			
First Name:	Greg	Title:	Exec. Dir.
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	=	6				=	6			12 - SU	0	16/30 - 16 Per Month 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	=	9	=	20.4	26 - lb/d	=	10	=	22	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS 24 - COMP24	
					Permit Req.	<=	50 MO AVG	<=	75.1 WKLY AVG	26 - lb/d	<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L				
					Value NODI														
00600	Nitrogen, total	1 - Effluent Gross	0	--	Sample						=	33	=	38	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS 24 - COMP24	
					Permit Req.							Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L				
					Value NODI														
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	0.95	=	3	26 - lb/d	=	1	=	3	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS 24 - COMP24	
					Permit Req.	<=	6.67 MO AVG	<=	10 WKLY AVG	26 - lb/d	<=	4 MO AVG	<=	6 WKLY AVG	19 - mg/L				
					Value NODI														
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample						=	4.2	=	5	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS 24 - COMP24	
					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	=	0.101	=	0.108	03 - MGD						0	99/99 - Continuous 99/99 - Continuous	CN - CONTIN RC - Recorder (auto)	
					Permit Req.		Req Mon MO AVG		Req Mon WKLY AVG	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 MO AVG	<=	.019 WKLY AVG	19 - mg/L				
					Value NODI														
51040	E. coli	1 - Effluent Gross	0	--	Sample						<	6	=	18	13 - #/100mL	0	01/07 - Weekly 01/07 - Weekly	GR - GRAB GR - GRAB	
					Permit Req.						<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL				
					Value NODI														
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	7	=	8.4	26 - lb/d	=	8	=	9	19 - mg/L	0	01/07 - Weekly 01/07 - Weekly	CP - COMPOS 24 - COMP24	
					Permit Req.	<=	50 MO AVG	<=	75.1 WKLY AVG	26 - lb/d	<=	30 MO AVG	<=	45 WKLY AVG	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

Attachments		
Name	Type	Size
CHILLS06162014_COVER.pdf	pdf	17445
CHILLS06162014_MOR.pdf	pdf	23724
CHILLS06162014_bypass.pdf	pdf	21150
201406_ChenHills_OverflowReport.pdf	pdf	72213

Report Last Saved By

CHENOWETH HILLS WQTC MSD

User: kevin.ries@louisvillemsd.org

Date/Time:

2014-07-24 09:59 (Time Zone: -04:00)

Name: Kevin Ries

E-Mail: kevin.ries@louisvillemsd.org

Chenoweth Hills		Report for	Jun-14		Tot. Exc.= 0								
Tot. Flow=	3.04059	Concentrations		Pounds									
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot. N
6/1/14	0.122	7	6	0.56		7.145128	6.124396	0.57161	4.59	7.4	6.2	0.01	38.11
6/2/14	0.101				18					7.2	6.4	0.01	
6/3/14	0.095											0.01	
6/4/14	0.107											0.01	
6/5/14	0.092									7.6	6	0.01	
6/6/14	0.084									7	6	0.01	
6/7/14	0.101									7.8	6.2	0.01	
6/8/14	0.114	5	8	2.9		4.745043	7.592069	2.752125	4.96	8.3		0.01	37.31
6/9/14	0.092				1					7.6		0.01	
6/10/14	0.120											0.01	
6/11/14	0.121									8.1	6.3	0.01	
6/12/14	0.113									7.8	6.4	0.01	
6/13/14	0.097									8	6.2	0.01	
6/14/14	0.098									8.1	6.1	0.01	
6/15/14	0.107									8	6.3	0.01	
6/16/14	0.093											0.01	
6/17/14	0.086	7	7	0.28		5.003166	5.003166	0.200127	3.55			0.01	28.38
6/18/14	0.090				13					7.1	6.3	0.01	
6/19/14	0.091									8		0.01	
6/20/14	0.096									8.3		0.01	
6/21/14	0.108									7.3	6.2	0.01	
6/22/14	0.111	22	9	0.28		20.43967	8.361684	0.260141	3.66	7.5	6.1	0.01	26.81
6/23/14	0.103				5					7.2	6	0.01	
6/24/14	0.091									7.4	6.1	0.01	
6/25/14	0.099									7.6		0.01	
6/26/14	0.085									7.6		0.01	
6/27/14	0.086									7.2		0.01	
6/28/14	0.108									7.6		0.01	
6/29/14	0.117									7.4		0.01	
6/30/14	0.116									7.4	6.1	0.01	
7/1/14													
Average	0.101	10	8	1	5.85	9	6.770	0.95	4.2	7.62	6	0.01	32.65
Maximum	0.122	22	9	2.9	18.00	20	8.362	2.8	5.0	8.30	6	0.01	38.11
Exceed.	0	0	0	0	0	0	0	0					



700 West Liberty Street
Louisville Kentucky 40203-1911
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June 17, 2014

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 June 16, 2014, referencing Work Order 2181384 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: SO₂ tanks were found to be empty at 8:17am and new tanks were installed immediately. The treatment plant had a pre effluent CL₂ residual of 2.0 and <0.010 total residual chlorine at 8:40 am. Wastewater received full preliminary, secondary and disinfection treatment, but did not receive dechlorination. Approximately 2,174 gallons of treated sewage, without dechlorination, reached the waters of the U.S.
- Period of noncompliance: Starting 08:17 AM on June 16, 2014 and stopping 08:40 AM on June 16, 2014.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD is in the process of investigating this bypass with the parties involved to identify the cause. Pending results of the investigation, MSD may intensify training efforts with the personnel involved..
- 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 duane.vwright@louisvillemsd.org.

Sincerely,

Duane V. Wright
Process Supervisor-Operations

cc: Courtney Seitz, KDEP
Paula Purifoy, MSD
eB File





Report Selections: Period: 06/01/2014 00:00 thru 06/30/2014 23:59, treatment Plant: MSD0263 CHENOWETH HILLS, Excluding PPI Excluding CSO Excluding LAT, 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	2181384		6/16/14 8:17 am	SINGLETON	OPS BSHIFT CENTRAL	DOCUMENTED	09/27/2002	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/16/14 08:40 AM	

Discharge Reporting:

Discharge Amount:	2,174 GAL
Cause:	SO2 TANKS EMPTY.
Clean Up:	PIPE DISCHARGE SUBMERGED- NO CLEANUP
Control Zone:	PERMANENT SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	CHANGED SO2 TANKS
Public Notification:	PERMANENT SIGNS POSTED

Notifications:

6/12/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'
6/12/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemsd.org, Sayre.Dennis@epamail.epa.gov'

Total Facilities Printed: 1

Total Work Orders Printed: 1