



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

June 6, 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 –May 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 May 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,

A handwritten signature in black ink, appearing to read "Duane V. Wright", is written over a horizontal line.

Duane V. Wright
Process Supervisor Central Region

DVW/Chenoweth Hills 05.14

Enclosures

cc: R. Shaw
T. Singleton



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

DMR Copy of Record

Permit

Permit #:
Major:

KY0029459
No

Permittee:
Permittee Address:

CHENOWETH HILLS WQTC MSD
4305 ST RENE CT
JEFFERSONTOWN, KY 40299

Facility:
Facility Location:

CHENOWETH HILLS WQTC MSD
4305 ST RENE CT
JEFFERSONTOWN, KY 40299

Permitted Feature:

001
External Outfall

Discharge:

001-1
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:
From 05/01/14 to 05/31/14

DMR Due Date:
06/28/14

Status:
NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:
Last Name:

Greg
Heitzman

Title:

Exec. Dir.

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

--

Parameter		Monitoring Location	Season #	Param. NODI		Quantity or Loading					Quality or Concentration							# of Ex.	Frequency of Analysis	Sample Type
Code	Name					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					19 - mg/L		25/30 - 25 Per Month	GR - GRAB
					Permit Req.						>=	7 INST MIN					19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6			=	8	12 - SU		22/30 - 22 Per Month	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU	0	01/07 - Weekly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	3	=	5.2	26 - lb/d			=	3	=	5	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	50 MO AVG	<=	75.1 WKLY AVG	26 - lb/d			<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00600	Nitrogen, total	1 - Effluent Gross	0	--	Sample								=	21	=	28	19 - mg/L		01/07 - Weekly	24 - COMP24
					Permit Req.									Req Mon MO AVG		Req Mon WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	0.4	=	0.8	26 - lb/d			=	0.4	=	0.8	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	6.67 MO AVG	<=	10 WKLY AVG	26 - lb/d			<=	4 MO AVG	<=	6 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	1.5	=	3.4	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.168	=	0.212	03 - MGD									99/99 - Continuous	CN - CONTIN
					Permit Req.		Req Mon MO AVG		Req Mon WKLY AVG	03 - MGD								0	99/99 - Continuous	RC - RCORDR
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								<	0.01	<	0.01	19 - mg/L		28/30 - 28 Per Month	GR - GRAB
					Permit Req.								<=	.011 MO AVG	<=	.019 WKLY AVG	19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI															
51040	E. coli	1 - Effluent Gross	0	--	Sample								=	18	=	210	13 - #/100mL		01/07 - Weekly	GR - GRAB
					Permit Req.								<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	4	=	5	26 - lb/d			=	4	=	6	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	50 MO AVG	<=	75.1 WKLY AVG	26 - lb/d			<=	30 MO AVG	<=	45 WKLY AVG	19 - mg/L	0	01/07 - Weekly	24 - COMP24
					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

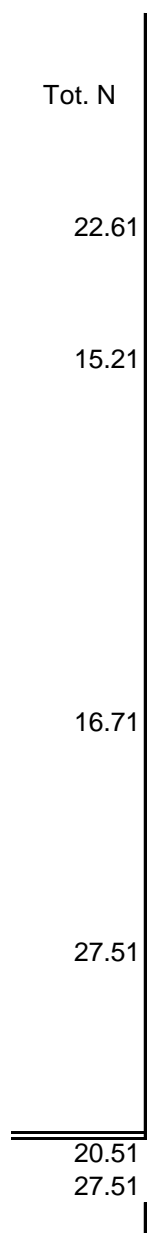
Attachments

Name	Type	Size
CHILLS052014_COVER.pdf	pdf	17640
CHILLS052014_MOR.pdf	pdf	25168
chills05072014_BYPASS.pdf	pdf	18704
201405_CHENOWETHHILLS_OverflowReport.pdf	pdf	72347

Report Last Saved By



Chenoweth Hills		Report for		May-14		Tot. Exc.= 0							
Tot. Flow= 5.19354				Concentrations				Pounds					
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	
5/1/14	0.167									7.2	6.7	0.01	
5/2/14	0.124									8.3	7.7	0.01	
5/3/14	0.127									8.4	7.4	0.01	
5/4/14	0.134	2	2	0.17		2.227447	2.227447	0.189333	1.26	8.2	7.4	0.01	
5/5/14	0.106				1					7.5	6.5	0.01	
5/6/14	0.108									7.4	7	0.01	
5/7/14	0.095									7.8	6.1	0.01	
5/8/14	0.100	2	6	0.5		1.664664	4.993992	0.416166	0.52	7		0.01	
5/9/14	0.113				2420					7.5	6.1	0.01	
5/10/14	0.369												
5/11/14	0.225									7.2	6.5	0.01	
5/12/14	0.145				1							0.01	
5/13/14	0.120				6					7.4	6.2	0.01	
5/14/14	0.409									7.9	6.6	0.01	
5/15/14	0.541												
5/16/14	0.232											0.01	
5/17/14	0.182											0.01	
5/18/14	0.160									8.4	6.7	0.01	
5/19/14	0.125	5	4	0.22		5.206662	4.16533	0.229093	0.907	8.3	6.6	0.01	
5/20/14	0.119				210					8.6	6.8	0.01	
5/21/14	0.121									7	6.9	0.01	
5/22/14	0.286									7.3	7	0.01	
5/23/14	0.156									7	7	0.01	
5/24/14	0.135									7.1	6.9	0.01	
5/25/14	0.124									7.1	7.1	0.01	
5/26/14	0.129	4	4	0.78		4.293432	4.293432	0.837219	3.43	7.8	6.5	0.01	
5/27/14	0.108				10					7.9	6.1	0.01	
5/28/14	0.097									7.9		0.01	
5/29/14	0.114									7.3		0.01	
5/30/14	0.105									7	6.1	0.01	
5/31/14	0.118									7.2	6	0.01	
Average	0.168	3	4	0.4	17.68	3	3.920	0.42	1.5	7.60	7	0.01	
Maximum	0.541	5	6	0.8	2420.00	5	4.994	0.8	3.4	8.60	8	0.01	
Exceed.	6	0	0	0	0	0	0	0					





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

May 7, 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 May 07, 2014, referencing Work Order 2158488 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: Contractors were drilling test holes to check the depth of the rock and drilled into the effluent force main from Chenoweth Hills WQTC. A portion of the effluent did not reach the permitted discharge outfall at this WQTC. Approximately 5,250 gallons of fully treated wastewater reached the waters of the U.S.
- Period of noncompliance: Starting 06:20 PM on May 06, 2014 and stopping 10:45 AM on May 07, 2014.
- Steps taken or planned to reduce, eliminate and prevent recurrence: Contractors repaired the pipe.
- 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.wright@louisvillemisd.org.

Sincerely,

Duane V. Wright
Process Supervisor-Operations

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





Initiated May 01, 2014 12:00 AM thru May 31, 2014 11:59 PM

Report Selections: Period: 05/01/2014 00:00 thru 05/31/2014 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	2158488		5/6/14 6:20 pm	FRENCH	FELDKAMP	DOCUMENTED	09/27/2002	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/07/14 10:45 AM	

Discharge Reporting:

Discharge Amount:	5,250 GAL
Cause:	MSD contractor drilled through treatment center effluent force main .
Clean Up:	Clean up of the impacted area will occur once repairs are completed.
Control Zone:	Barricades and Temporary overflow warning signs were placed around the impacted area .
Impact:	Clear, treated water was observed coming from the ground at the location of the break.
Repair:	MSD Contractor is installing band clamp to repair effluent force main .
Public Notification:	Door hangers were placed in the vicinity of the overflow.

Notifications:

5/7/14 1:00 am	DISNOT	Email notification of unauthorized discharge sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov'
5/7/14 1:00 am	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to 'DischargeNotices@louisvillemad.org, Sayre.Dennis@epamail.epa.gov'

Total Facilities Printed: 1

Total Work Orders Printed: 1