



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

September 23, 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 –August 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 August 2014.

There were no bypasses or overflows to report.

There was one exceedance for E-coli. Our 7 day geometric mean permit limit is 240. The E-coli 7 day geometric mean result was 497. Although our pre-effluent residual chlorine concentration was 1.7 mg/l, we believe this was caused by effluent solids stemming from a settling issue due to filamentous. MSD wasted and reseeded plant and cleaned the chlorine contact tank. As a precaution we have increased the chlorine feed from 10 to 14 lbs/day and sulfur dioxide feed from 12 to 16 lbs/day. Chenoweth Hills WQTC was eliminated on Monday, September 22, 2014. Follow up sampling indicated the plant was in compliance.

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

Sincerely,

Kevin Thompson
Process Supervisor Central Region

KL/T/Chenoweth Hills 08.14

Enclosures

cc: R. Shaw
T. Singleton



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

DMR Copy of Record

Permit

Permit #:

KY0029459

Major:

No

Permittee:

CHENOWETH HILLS WQTC MSD

Permittee Address:

4305 ST RENE CT
JEFFERSONTOWN, KY 40299

Facility:

CHENOWETH HILLS WQTC MSD

Facility Location:

4305 ST RENE CT
JEFFERSONTOWN, KY 40299

Permitted Feature:

001
External Outfall

Discharge:

001-1
SANITARY WASTEWATER

Report Dates & Status

Monitoring Period:

From 08/01/14 to 08/31/14

DMR Due Date:

09/28/14

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:

Greg

Last Name:

Heitzman

Title:

Executive Director

Telephone:

502-540-6000

No Data Indicator (NODI)

Form NODI:

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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	0	01/01 - Daily	GR - GRAB
					Permit Req.						>=	7 INST MIN					19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															
00400	pH	1 - Effluent Gross	0	--	Sample						=	6			=	8	12 - SU	0	29/30 - 29 Per Month	GR - GRAB
					Permit Req.						>=	6 MINIMUM			<=	9 MAXIMUM	12 - SU		01/07 - Weekly	GR - GRAB
					Value NODI															
00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	16	=	33.6	26 - lb/d			=	17	=	32	19 - mg/L	0	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		01/07 - Weekly	24 - COMP24
					Value NODI															
00600	Nitrogen, total [as N]	1 - Effluent Gross	0	--	Sample								=	26	=	38	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.														01/07 - Weekly	24 - COMP24
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	1	--	Sample	=	0.6	=	2	26 - lb/d			=	0.7	=	2	19 - mg/L	0	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		01/07 - Weekly	24 - COMP24
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	3.3	=	5.6	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.														01/07 - Weekly	24 - COMP24
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.115	=	0.267	03 - MGD								0	99/99 - Continuous	CN - CONTIN
					Permit Req.														99/99 - Continuous	RC - Recorder (auto)
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								<	0.01	=	0.01	19 - mg/L	0	29/30 - 29 Per Month	GR - GRAB
					Permit Req.								<=	.011 MO AVG	<=	.019 WKLY AVG	19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															
X 51040	E. coli	1 - Effluent Gross	0	--	Sample								<	75	=	497	13 - #/100mL	1	05/30 - 5 Times Every Month	GR - GRAB
					Permit Req.								<=	130 30DA GEO	<=	240 7 DA GEO	13 - #/100mL		01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	4	=	7.3	26 - lb/d			=	5	=	7	19 - mg/L	0	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		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

Parameter		Monitoring Location	Field	Type	Description	Acknowledge
Code	Name					
51040	E. coli	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

Comments

see cover letter for explanation.

Attachments

Name	Type	Size
201408_ChenowethHills_MOR.pdf	pdf	9866
201408_ChenowethHills_coverletter.pdf	pdf	19815



Chenoweth Hills		Report for		Aug-14		Tot. Exc.= 1		Violation					
Tot. Flow= 3.5514				Concentrations				Pounds					
Date	Flow	TSS	BOD	NH3	Ecoli	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC	Tot. N
8/1/14	0.087									7.9	6.9	0.01	
8/2/14	0.091									7.4	7.2	0.01	
8/3/14	0.099	25	5	2.1		20.54142	4.108284	1.725479	5.6	7.2	6.8	0.01	37.71
8/4/14	0.087				15					7.2	6.8	0.01	
8/5/14	0.083									7.3	7	0.01	
8/6/14	0.082									7	6	0.01	
8/7/14	0.083									7	6	0.01	
8/8/14	0.124									7.7	7.2	0.01	
8/9/14	0.134									7.1	7.2	0.01	
8/10/14	0.125									7.1	7.2	0.01	
8/11/14	0.126	32	7	0.22		33.58151	7.345955	0.230873	3.17	7	6.7	0.01	29.16
8/12/14	0.120				2420					7	6.8	0.01	
8/13/14	0.099									7	7	0.01	
8/14/14	0.088				102					7	7	0.01	
8/15/14	0.097									7	6.7	0.01	
8/16/14	0.105									7	6.7	0.01	
8/17/14	0.132	8	4	0.22		8.795698	4.397849	0.241882	2.58	7.4	6.2	0.01	21.31
8/18/14	0.121				16					7.1	6.4	0.01	
8/19/14	0.106									7	6.1	0.01	
8/20/14	0.094									7	6.1	0.01	
8/21/14	0.094									7.3	6.6	0.01	
8/22/14	0.143									7	6	0.01	
8/23/14	0.267									7.5	6.4	0.01	
8/24/14	0.249									7.4	6.5	0.01	
8/25/14	0.126									7	7.1	0.01	
8/26/14	0.107	2	2	0.22		1.785594	1.785594	0.196415	1.87	7.5	7.8	0.01	15.21
8/27/14	0.100				39								
8/28/14	0.093									7.2	7	0.01	
8/29/14	0.091									7	6.8	0.01	
8/30/14	0.098									7.1	6.1	0.01	
8/31/14	0.101									7.1		0.01	
Average	0.115	17	5	0.7	74.60	16	4.409	0.60	3.3	7.18	7	0.01	25.85
Maximum	0.267	32	7	2.1	2420.00	34	7.346	1.7	5.6	7.90	8	0.01	37.71
Exceed.	2	0	0	0	1	0	0	0					