



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

January 13, 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 –December 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 December 2013.

There were two exceedences for the month of December for TSS concentration and loading. The exceedences occurred on December 8th. The daily max for concentration was 69 MG/L. Our permit limit is 60 MG/L daily max. The daily max for loading was 125 lbs. Our permit limit is 100 lbs daily max. The #1 plant was going through a process disruption. The solids were not settling. MSD pumped out the solids in plant #1 and reseeded.

There were no bypasses or overflows to report.

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 12.13

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 12/01/13 to 12/31/13

DMR Due Date:

01/28/14

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.

Principal Executive Officer

First Name:

Greg

Last Name:

Heitzman

Title:

Exec. Dir.

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	28/30 - 28 Per Month	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															
X 00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	37	=	126	26 - lb/d			=	22	=	69	19 - mg/L	2	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	50 30DA AVG	<=	100 DAILY MX	26 - lb/d			<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	0.6	=	1.2	26 - lb/d			=	0.4	=	0.7	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	16.7 30DA AVG	<=	33.4 DAILY MX	26 - lb/d			<=	10 30DA AVG	<=	20 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample								=	2.2	=	3.1	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.									Req Mon MO AVG		Req Mon DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					Value NODI															
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.194	=	0.541	03 - MGD								0	01/07 - Weekly	CN - CONTIN
					Permit Req.		Req Mon 30DA AVG		Req Mon INST MAX	03 - MGD									99/99 - Continuous	CN - CONTIN
					Value NODI															
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample								<	0.01	<	0.01	19 - mg/L	0	01/01 - Daily	GR - GRAB
					Permit Req.								<=	.011 30DA AVG	<=	.019 DAILY MX	19 - mg/L		01/07 - Weekly	GR - GRAB
					Value NODI															
74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample								=	14	=	51	13 - #/100mL	0	01/07 - Weekly	GR - GRAB
					Permit Req.								<=	200 30DA GEO	<=	400 7 DA GEO	13 - #/100mL		01/07 - Weekly	GR - GRAB
					Value NODI															
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	11	=	26	26 - lb/d			=	8	=	14	19 - mg/L	0	01/07 - Weekly	CP - COMPOS
					Permit Req.	<=	50 30DA AVG	<=	100 DAILY MX	26 - lb/d			<=	30 30DA AVG	<=	60 DAILY MX	19 - mg/L		01/07 - Weekly	CP - COMPOS
					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					
00530	Solids, total suspended	1 - Effluent Gross	Quality or Concentration Sample Value 3	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
00530	Solids, total suspended	1 - Effluent Gross	Quantity or Loading Sample Value 2	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes

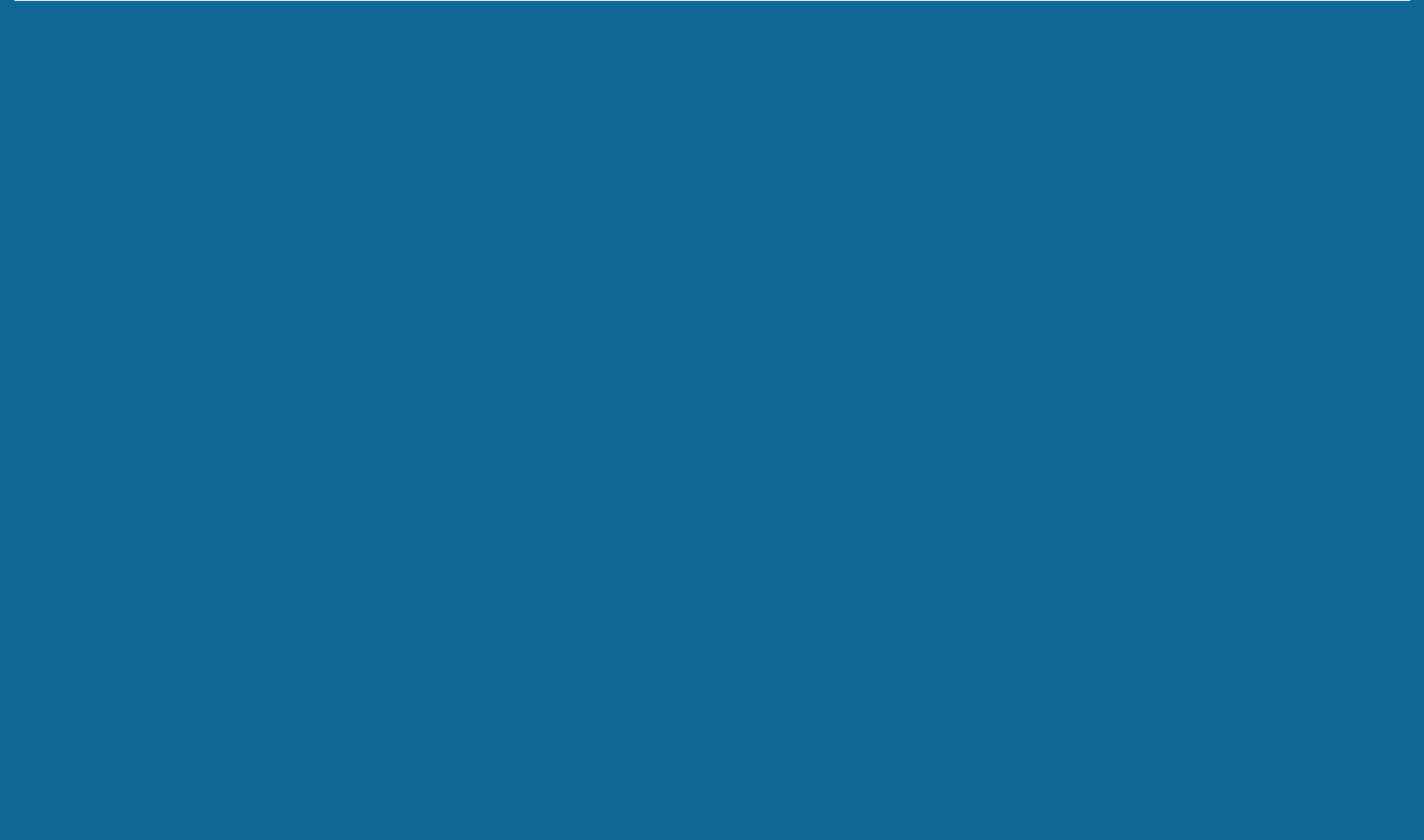
Comments

See cover letter for explanation of exceedences.

Attachments

Name	Type	Size
CHILLS122013_COVER.pdf	pdf	18444
CHILLS122013_MOR.pdf	pdf	24704

Report Last Saved By



Chenoweth Hills		Report for		Dec-13		Tot. Exc.= 2		Violation				
Tot. Flow= 6.00304				Concentrations				Pounds				
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC
12/1/13	0.151	5	5	0.22		6.283356	6.283356	0.276468	3.05	9.1	6.6	0.01
12/2/13	0.132				14					9.2	6.5	0.01
12/3/13	0.129									7.7	6.9	0.01
12/4/13	0.130									7.5	6.7	0.01
12/5/13	0.163									7.1	6.4	0.01
12/6/13	0.285									7	6.4	0.01
12/7/13	0.253									7.4	6.8	0.01
12/8/13	0.218	69	14	0.67		125.5251	25.46886	1.218867	2.2	7.9	6.7	0.01
12/9/13	0.190				51					7.9	7.2	0.01
12/10/13	0.188									8.1	7.5	0.01
12/11/13	0.154									8.8	7	0.01
12/12/13	0.129									8.5	7.1	0.01
12/13/13	0.059									8.2	7.2	0.01
12/14/13	0.343									8.6	7	0.01
12/15/13	0.286									8.4	6.8	0.01
12/16/13	0.196									7.3	6.9	0.01
12/17/13	0.160									7.7	6.8	0.01
12/18/13	0.147	2	4	0.28		2.44729	4.894579	0.342621	2	7.7	7.1	0.01
12/19/13	0.138				4					8.1	7	0.01
12/20/13	0.132									7.9	7.1	0.01
12/21/13	0.373									7.2	6.8	0.01
12/22/13	0.541										7.2	0.01
12/23/13	0.239											0.01
12/24/13	0.187									7	7	0.01
12/25/13	0.158									7.7	6.8	0.01
12/26/13	0.139	11	7	0.34		12.77296	8.128247	0.394801	1.7	7.6	7	0.01
12/27/13	0.131				12					7.9	7.2	0.01
12/28/13	0.133									8	7.2	0.01
12/29/13	0.228									8.3	7	0.01
12/30/13	0.157									8.9	7.1	0.01
12/31/13	0.132									9.1	7.1	0.01
Average	0.194	22	8	0.4	13.61	37	11.194	0.56	2.2	7.99	7	0.01
Maximum	0.541	69	14	0.7	51.00	126	25.469	1.2	3.1	9.20	8	0.01
Exceed.	9	1	0	0	0	1	0	0				