



April 10, 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 –March 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 March 2014.

There were 4 exceedences for the month of March for TSS concentration and loading and 1 exceedance for daily max for fecal. The exceedences occurred on March 23. The daily max for concentration and loading were 420 MG/L and 480 LBS and 30 day averages were 91 MG/L and 105 LBs. Our permit limit is 60 MG/L and 100 LBs daily max and 30 MG/L and 50 LBs mthly avg. The Fecal count for that day was 16,800. The #1 plant was going through a process disruption. The solids were not settling. MSD pumped out the solids in plant #1 and reseeded. We reduced the return activated sludge rate and adjusted the air in the aeration tank. Follow up sampling indicates the plant is now in compliance.

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,

A handwritten signature in cursive script that reads "Duane V. Wright".

Duane V. Wright
Process Supervisor Central Region

DVW/Chenoweth Hills 03.14

Enclosures

cc: R. Shaw
T. Singleton



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 03/01/14 to 03/31/14	DMR Due Date:	04/28/14	Status:	NetDMR Validated
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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	Title:	Exec. Dir	Telephone:	502-540-6000
Last Name:	Heitzman				

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					19 - mg/L	01/01 - Daily	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	01/01 - Daily	GR - GRAB						
					Permit Req.					>=	6 MINIMUM		<=	9 MAXIMUM		12 - SU	0	01/07 - Weekly	GR - GRAB					
					Value NODI																			
X 00530	Solids, total suspended	1 - Effluent Gross	0	--	Sample	=	105	=	480		26 - lb/d	=	91	=	420		19 - mg/L	05/30 - 5 Times Every Month	CP - COMPOS					
					Permit Req.	<=	50 30DA AVG	<=	100 DAILY MX		26 - lb/d	<=	30 30DA AVG	<=	60 DAILY MX		19 - mg/L	4	01/07 - Weekly	CP - COMPOS				
					Value NODI																			
00610	Nitrogen, ammonia total [as N]	1 - Effluent Gross	2	--	Sample	=	1.9	=	3.7		26 - lb/d	=	2	=	3		19 - mg/L	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	0	01/07 - Weekly	CP - COMPOS				
					Value NODI																			
00665	Phosphorus, total [as P]	1 - Effluent Gross	0	--	Sample					=	3.8	=	9.8		19 - mg/L	05/30 - 5 Times Every Month	CP - COMPOS							
					Permit Req.												19 - mg/L	0	01/07 - Weekly	CP - COMPOS				
					Value NODI																			
50050	Flow, in conduit or thru treatment plant	1 - Effluent Gross	0	--	Sample	=	0.143	=	0.236		03 - MGD							99/99 - Continuous	CN - CONTIN					
					Permit Req.																99/99 - Continuous	CN - CONTIN		
					Value NODI																			
50060	Chlorine, total residual	1 - Effluent Gross	0	--	Sample					<	0.01	<	0.01		19 - mg/L	01/01 - Daily	GR - GRAB							
					Permit Req.																19 - mg/L	0	01/07 - Weekly	GR - GRAB
					Value NODI																			
X 74055	Coliform, fecal general	1 - Effluent Gross	0	--	Sample					=	57	=	16800		13 - #/100mL	06/30 - Six Per Month	GR - GRAB							
					Permit Req.																13 - #/100mL	1	01/07 - Weekly	GR - GRAB
					Value NODI																			
80082	BOD, carbonaceous, 05 day, 20 C	1 - Effluent Gross	0	--	Sample	=	8	=	10		26 - lb/d	=	6	=	8		19 - mg/L	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	0	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

Code	Parameter Name	Monitoring Location	Field	Type	Description	Acknowledge
74055	Coliform, fecal general	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 1	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
00530	Solids, total suspended	1 - Effluent Gross	Quality or Concentration Sample Value 2	Soft	The provided sample value is outside the permit limit. (Error Code: 1)	Yes
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

Comments

See cover letter.

Attachments

Name	Type	Size
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C-hills032014_COVER.pdf

pdf

21113

C-hills032014_MOR.pdf

pdf

26509

Report Last Saved By

CHENOWETH HILLS WQTC MSD

User: wrightd

Date/Time:

2014-04-24 13:02 (Time Zone: -04:00)

Name: Duane Wright

E-Mail: duane.wright@louisvillemsd.org

Chenoweth Hills		Report for	Mar-14		Tot. Exc.= 4		#VALUE!					
Tot. Flow=	4.44756	Concentrations				Pounds						
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.	D.O.	p.H.	TRC
3/1/14	0.130									7	7.7	0.01
3/2/14	0.207									10	6.1	0.01
3/3/14	0.208									7	6.4	0.01
3/4/14	0.192	6	2	0.28		9.616687	3.205562	0.448779	2.03	8.9	7	0.01
3/5/14	0.162									7.8	6.6	0.01
3/6/14	0.165					22				8.6	6.9	0.01
3/7/14	0.144									7.8	6.7	0.01
3/8/14	0.150									7.8	6.7	0.01
3/9/14	0.146	19	8	1.4		23.08287	9.719102	1.700843	3.22	8.6	6.8	0.01
3/10/14	0.128					2				8.1	6.9	0.01
3/11/14	0.107									7.2	7	0.01
3/12/14	0.127									8.9	7.2	0.01
3/13/14	0.111									9.5	7.1	0.01
3/14/14	0.112									8.5	7.5	0.01
3/15/14	0.123									8.1	6.8	0.01
3/16/14	0.135	4	7	1.5		4.515276	7.901733	1.693229	3.03	8.7	7	0.01
3/17/14	0.122					560				9.1	7	0.01
3/18/14	0.139									8.5	6.8	0.01
3/19/14	0.121					20				8.1	8	0.01
3/20/14	0.115									8.7	7.5	0.01
3/21/14	0.113									7.9	7.7	0.01
3/22/14	0.124									8	6.8	0.01
3/23/14	0.137	420 Scratched		3.2		480.2339	#VALUE!	3.658925	9.8	7.8	7	0.01
3/24/14	0.117					16800				8.5	7	0.01
3/25/14	0.158									7	6.5	0.01
3/26/14	0.109									8.8	6.8	0.01
3/27/14	0.127									7.9	6.5	0.01
3/28/14	0.114									7	6	0.01
3/29/14	0.236	4	5		4	7.869624	9.83703		0.734	7.7	6.6	0.01
3/30/14	0.216									7.5	6.9	0.01
3/31/14	0.155									7.8	6.6	0.01
Average	0.143	91	6	2	56.67	105	#VALUE!	1.88	3.8	8.15	7	0.01
Maximum	0.236	420	8	3.2	16800.00	480	#VALUE!	3.7	9.8	10.00	8	0.01
Exceed.	4	1	0	0	2	1	0	0				
Day Viol.		1			1	1	#VALUE!					
Mo. Viol		1				1	#VALUE!					