

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

June 20, 2013

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 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 May 2013.

Also attached are a bypass letter and overflow report.

There were no exceedences.

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 5.13

Enclosures

cc:

R. Shaw

T. Singleton

DMR Copy of Record

kevin.ries@louisvillemsd.org

Permit Permit #: KY0029459 Permittee: CHENOWETH HILLS WQTC MSD Facility: CHENOWETH HILLS WQTC MSD Major: No **Permittee Address:** 4305 ST RENE CT **Facility Location:** 4305 ST RENE CT JEFFERSONTOWN, KY 40299 JEFFERSONTOWN, KY 40299 001 Permitted Feature: Discharge: 001-1 External Outfall SANITARY WASTEWATER Report Dates & Status From 05/01/13 to 05/31/13 **DMR Due Date:** 07/28/13 Status: **Monitoring Period: 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** Title: Telephone: **First Name:** Greg **Executive Director** 502-540-6000 **Last Name:** Heitzman No Data Indicator (NODI) Form NODI: Monitoring Location Season # Param. NODI **Quantity or Loading Quality or Concentration** # of Ex. Frequency of Analysis Sample Type Qualifier 1 Units Qualifier 1 Value 1 Qualifier 2 Qualifier 3 Units Sample 19 - mg/L 25/30 - 25 Per Month GR - GRAB 00300 Oxygen, dissolved (DO) 1 - Effluent Gross **Permit Rea** 7 INST MIN 19 - mg/L 01/07 - Weekly GR - GRAB Value NODI 12 - SU 01/01 - Daily GR - GRAB Sample 00400 pH 1 - Effluent Gross Permit Reg. 6 MINIMUM 9 MAXIMUM 12 - SU 01/07 - Weekly GR - GRAB 0 Value NODI CP - COMPOS Sample 26 - lb/d 19 - mg/L 01/07 - Weekly 00530 Solids, total suspended 1 - Effluent Gross Permit Req. <= 50 30DA AVG 100 DAILY MX 30 30DA AVG 60 DAILY MX 01/07 - Weekly CP - COMPOS 26 - lb/d 19 - mg/L Value NODI Sample 0.69 1.2 26 - lb/d 0.7 19 - mg/L 01/07 - Weekly CP - COMPOS CP - COMPOS 00610 Nitrogen, ammonia total (as N) 1 - Effluent Gross Permit Req. <= 6.67 30DA AVG 13.3 DAILY MX 26 - lb/d 4 30DA AVG 8 DAILY MX 19 - mg/L 01/07 - Weekly Value NODI 01/07 - Weekly CP - COMPOS Sample 2.8 19 - mg/L 00665 Phosphorus, total (as P) Rea Mon MO AVG Reg Mon DAILY MX 19 - mg/L CP - COMPOS 1 - Effluent Gross 01/07 - Weekly Permit Reg. Value NODI Sample 0.139 0.347 03 - MGD 99/99 - Continuous CN - CONTIN 50050 Flow, in conduit or thru treatment plant 1 - Effluent Gross Permit Reg. Reg Mon 30DA AVG Reg Mon INST MAX 03 - MGD 99/99 - Continuous CN - CONTIN Value NODI 0.01 19 - mg/L 01/01 - Daily GR - GRAB Sample 0.01 50060 Chlorine, total residual 1 - Effluent Gross Permit Req. .011 30DA AVG .019 DAILY MX 19 - mg/L 01/07 - Weekly GR - GRAB Value NODI GR - GRAB Sample 12 50 13 - #/100mL 01/07 - Weekly 74055 Coliform, fecal general GR - GRAB 1 - Effluent Gross Permit Req. 200 30DA GEO 400 7 DA GEO 13 - #/100mL 0 01/07 - Weekly Value NODI Sample 26 - lb/d 19 - mg/L 01/07 - Weekly CP - COMPOS 80082 BOD, carbonaceous, 05 day, 20 C 1 - Effluent Gross 50 30DA AVG 100 DAILY MX 26 - lb/d 30 30DA AVG 60 DAILY MX 01/07 - Weekly CP - COMPOS Permit Rea. <= 19 - mg/L 0 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 Size Type CHENHILLS052013_MOR.pdf pdf 16600 Chenhills05162013_bypass.pdf 20578 pdf pdf 16715 ChenHills052013_cover.pdf Chenhills05162013 ovrflowrpt.pdf pdf 22323 Report Last Saved By CHENOWETH HILLS WQTC MSD

Date/Time:

2013-06-27 11:23 (Time Zone: -04:00)

Name: kevin ries

E-Mail: kevin.ries@louisvillemsd.org

Chenoweth Hills		Report for	May-13		Γot. Exc.= 0				
Tot. Flow=		T00	Concenti		-	T00	Pounds	NULIO	T. (Dl
Date	Flow	TSS	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.
5/1/13	0.120		3	0.45	44	2	3	0.45	3.26
5/2/13	0.100				11				
5/3/13 5/4/13	0.106 0.129								
5/5/13	0.129								
5/6/13	0.347								
5/7/13	0.213								
5/8/13	0.100		4	0.5		5	5	0.60	1.56
5/9/13	0.144		4	0.5	2	3	3	0.00	1.50
5/10/13	0.123				2				
5/11/13	0.276								
5/12/13	0.200								
5/13/13	0.147								
5/14/13	0.124								
5/15/13	0.119		4	1.2		5	4	1.19	2.38
5/16/13	0.128				16				
5/17/13	0.105				_				
5/18/13	0.121								
5/19/13	0.128								
5/20/13	0.105								
5/21/13	0.104								
5/22/13	0.108	2	4	0.56		2	4	0.51	3.97
5/23/13	0.106				50				
5/24/13	0.088								
5/25/13	0.106								
5/26/13	0.102								
5/27/13	0.108								
5/28/13	0.097								
5/29/13	0.095								
5/30/13	0.095								
5/31/13	0.101								
Average	0.139		4	0.7	11.52	3	4	0.69	2.8
Maximum	0.347		4	1.2	50.00	5	5	1.19	4.0
Exceed.	4	0	0	0	0	0	0	0.00	



May 17, 2013

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 16, 2013, referencing Work Order 1691666 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: The facility's backup generator failed to start and transfer power to plant equipment during a utility power inturreption of the grounded power phase. The power failure caused 958 gallons of plant effluent wastewater to overflow the effluent pump station. Bypassed volume received full treatment. Upon arrival at facility, MSD personnel started the generator and transferred power. MSD's contractor diagnosed that the generator transfer switch could not identify a loss of the grounded power phase. MSD personnel reviewed generator preventive maintenance records.
- Period of noncompliance: Starting 06:40 AM on May 16, 2013 and stopping 06:49 AM on May 16, 2013.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD's contractor installed an additional power monitor in the transfer switch which will detect the loss of a grounded power phase.

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@louisvillemsd.org.

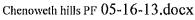
Duane V. Wright

Process Supervisor-Operations

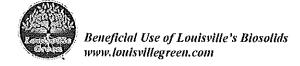
cc: Courtney Seiz, KDEP

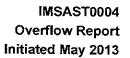
Paula Purifoy, Wes Sydnor, Kevin Ries, Robert Bates - MSD

eB File



Rev: 10/04/2012







Report Selections: Last Full Month: 05/2013, Excluding PPI Excluding CSO Excluding LAT, Prob Code: BYPAS, Result: WUS, Act Code: DISDW, DISREV KPDES# Facility ID Water Quality Treatement Center Receiving Stream of Treatment Center Region MSD0263 CHENOWETH HILLS KY0029459 CHENOWETH RUN CENT Facility Type Facility ID Facility Address If Pump Station, Name of Pump Station: Receiving Stream Discharge to MSD0263 SPL Sewer Treatment Plant 4305 ST RENE CT CHENOWETH RUN STREAM Activity Code / Description **WO#** Ref No Initiated Initiated By Assigned To Disch Status **Event Date** <u>Problem</u> Result Completed Condition : DISDW: DRY WEATHER 1909417 1691666 05/16/2013 **OPS BSHIFT** DOCUMENTED 09/27/2002 BYPASS AT UNAUTHORIZED 05/16/13 06:49 DISCHARGE CENTRAL WQTC DISCHAGE - WATERS AM Discharge Reporting: 958 GAL Discharge Amount: Cause: LG&E POWER FAIL & THE GENERATOR FAILED TO START Clean Up: NO DEBRIS Control Zone: TEMPORARY SIGNS Impact: SEWAGE OBSERVED Repair: LG&E RESTORED POWER. Public Notification: TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA Notifications:

Email notification of unauthorized discharge sent to eppo.ert@ky.gov, Sayre.Dennis@epamail.epa.gov, Charlie.Roth@ky.gov

Total Facilities Printed: 2

5/16/13 1:00 am

Total Work Orders Printed:

2

DISNOT