

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

June 11, 2010

Carolena Bentley, DMR Coordinator Kentucky Division of Water 200 Fair Oaks Lane, 4<sup>th</sup> Floor Frankfort, Kentucky 40601

Re: MSD Metro Operations

Chenoweth Hills WQTC; KPDES No.: KY0029459

Discharge Monitoring Reports - May 2010

Dear Ms. Bentley:

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 2010

Also attached is the bypass letters 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 05.10

Enclosures

cc: C. Roth (DOW Louisville)

R. Shaw

T. Singleton



ADDRESS CAD CHDAR CREEK WOTO CASS CERAM SERIEM ER

> WY 40211 LOUISVILLE

FACILITY CHERONETH HILLE WETS MED

KY 40279 LOCATION JEFFERSONTOWN LITTER OFWARDS TOUMABROW, SE METRO OFF

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

DAY

名といけにはまる PERMIT NUMBER

YEAR MO.

FROM

DISCHARGE NUMBER

MONITORING PERIOD YEAR MO DAY TO

гини аррилува. OMB No. 2040-0004

MINDE CHUBE LVI 学 - 图美版各编

SAMITARY WASTENATER

EFFLUENT MARK NO DISCHARGE ILLIFORM

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN <sup>-</sup>	TITY OR LOADING		QUALITY OR CONCENTRATION					FREQUENCY OF	DAMI LL
		AVERAGE	MAXIMUM	UNITS	МІМІМИМ	AVERAGE	MAXIMUM	UNITS	EX	ANALYSIS	TYPE
INYCEM CISBULVED	SAMPLE	<b>医</b> 医甲基甲基	the sign of the office of the	:		er port, en sprej	and with the transfer	· 1 · 1 · 1		$\sigma t_{j}$	/ ^
(00)	MEASUREMENT								0/	100	( > /<
	PERMIT	我会会会会	अस्य विकासका विकासिक विकासिक विकास	ender selt der		१८ म्हा ५८ ४८ ४८ ५८	विश्वस्थिति स्थिति	250 Z.L		William Name F. S. Sterre . 2.	1925 y N. 3 Project
EFFLUENT GROSS VALL	REQUIREMENT			各學學歌	INST MIN						Ĺ
P FC	SAMPLE	持續各位的學	कनो क्षेत्रिक्त		1.9	approximate the straight	7 4	8 00 3	. , ,	11/2	1/- 2
	MEASUREMENT				- $($ $)$		7.6	_	<u> </u>		12 12 13
	PERMIT	· · · · · · · · · · · · · · · · · · ·	aera e as askalerder di	The second	o. U Minimum	rach raich rach thair rivin raich	makimum	200 1 7 200 34		¥ استاد کا تصلح ساد یک ا	(C) / 171005
EFFLUENT GROSS VALL	REQUIREMENT			<b>经营物</b>	5 5 5 7 7 5 5 1545 1 10 60 50 10 10 10 10 10 10		1 1979 2 2 3 3 22 9	31 - 31 - 31 - 31 - 31 - 31 - 31 - 31 -			ļ
35.000 TARAL	SAMPLE		G	1 w(6) J	AND AND AND AND AND AND	/	$\mathcal{G}$	1 1 1 1	1-1	61/25	1 2
BUSPENDED	MEASUREMENT	(_^		1	ar ner per ter ter ter	(-	ار المراث المناث	_	1/	of the state of th	<u> </u>
00M30 J 0 Q	PERMIT	in the second of	DAILY MM	LESZOY		SODA AVS		x Maria.	/	172,122	
EFFLUENT GROSS VALU	REQUIREMENT	OVA ACOE	17847111 1 1330	<u> </u>	व्यक्त स्थान स्थान स्थान स्थान स्थान	And the state of t	AND A STATE OF THE	11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-		
所证。在四个在外,一直有时间附近的	SAMPLE	625	0.5	i Mar	25 81 45 46 15 17	a 11	0 /-	` " - '	0	51/2	1 2
TOTAL (AS N)	MEASUREMENT	<i>C.35</i>			no se se tenorio	0,4	0.6	4	<u> </u>	71 (mar) (19 (mar))	€ (
008/0 7 / 0	PERMIT	6.5/	IS.W DAILY MX	CREZER	6 76 76 16 19 16	JODA AVG	DAILY M				
Day 1 The State of	REQUIREMENT	SCUA AVG		Nation Page 1 Act 1	tip we want, gental	Name to the special of the special o		1 1 2 2	-		
PHOSE IDALS, 10 DAL	SAMPLE	्रीने नीयन्त्र, उस्ते बहा हैश	, while of solice is			0.64	1.17		100	11/12	160
(AS P)	MEASUREMENT	Red to the late	en de de de de de		en de Rolles de 180	NECTA	3 Nation 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1/	Marie New Philosophy 9	200
opaka ( 0.2	PERMIT		W 30 St 30 JS 40	20 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		MD AVS	DAILY M	X MOZ			
EFFLUENT BRODS VALL					g Sign Sprace on the	22127 3714114114	5, 361 te. 57 fee		<u> </u>	<u> </u>	
MON. IN COMPACT OF	OAMI LE	0.155	0.646	4 2000	, , , , , ,				10	1. 1	00
	MEASUREMENT	METUM	Xarur V	-	10 10 10 10 10 10 10	agreed feet as localised	20 10 20 E 10 10 10				ا المالية الم
HOOSO ( 0 0 Effluent gross val:	PERMIT // REQUIREMENT	DODA AVG	INST MAX	50000				green harm	i	UQU\$	1
		12 19 12 15 15 15 15 15 15 15 15 15 15 15 15 15	45 44 15 15 15 15 15 15 15 15 15 15 15 15 15		ette ette opperationise is			3 497	-		
The same of the sa	SAMPLE MEASUREMENT					20.010	40.010		1	14/12	1んえ
RESIDUAL Normo ( 0		Age to the the time	- Committee of the state of the	4 经金融	er er er er er er	\$40 BA A	W. War	$\dashv$			10000
NCOBO ( ) EFFLUENT GROSS VAL	PERMIT			38 p. 40 &		BODA AV9	DAILY M	X NO 41.			
NAME/TITLE PRINCIPAL EXECUTIV		v under penalty of law that the	is document and all attachr	nents were	1		<u> </u>	TELEPHO	NE	D	ATE
	prepar	ed under my direction or sup re that qualified personnel pr	ervision in accordance with	a system designed						1	
H.J.エCM4RDP1~, JR	1 Subini	ted. Based on my inquiry of t	he person or persons who m	anage the system,	J. Land	as a Whin	idea !				
مهر به سال و در در در سال می کرد سی		e persons directly responsible ted is, to the best of my know	ledge and belief, true, accur	ate, and complete.	**	TURE OF PRINCIPAL	EVECUTIVE S	123406	000	100	06 14
FXETUTIUR DIRECT		ware that there are significan ing the possibility of fine and				FICER OF AUTHORIZE	D AGENT	REA NUMBE			IO DAY
1 ALFO OR SKIN I FD	inciua	ing the possibility of title and	impresonment for knowing	rivialious.			C	ODE		. =	-/

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

CHENDWITH HILLS WETC MES

ADDRESS C/O CHOAR CREEK WOTC HADE UEDAR CREEK BU

NAME

KY 40211 LOWIEVILLE

FACILITY CHARGING HOTE HOLLEN HOTE MEDI

NY 40295 LOCATION SEFTERSON TOWN WITH DEMMIS THOMASSON, SE METRO SPS

# NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

MONITORING PERIOD

TO

DAY

**ステリロビッキ55**サ PERMIT NUMBER

YEAR MO.

FROM

DISCHARGE NUMBER

DAY

YEAR MO

医五分类管 rguan .v. F . FINAL

JAN 1

OMB No. 2040-0004

SANTIANY WASTEWATER

ETTL OFNT

X44 NO DISCHARGE (\_\_) WHA

NOTE: Read Instructions before completing this form.

PARAMETER		OUANTITY OR LOADING			OUALITY OR CONCENTRATION				NO.	FREQUENCY	TYPE
		AVERAGE	MAXIMUM	UNITS	МІМІМИМ	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
DOLFGER FEGAL	SAMPLE		to the transfer of a second		কুল প্ৰক্লা জনসংগতিৰ কৰ	16	2 a	, , , , , , , , , , , , , , , , , , ,		1/07	62
TACES I DOSS VALU	PERMIT	4. 数数数分数数 2.75	वींन नाह पहुंच केले विकास	1. 经货物 公司公费	est de let tet te de	CECDA SEC	7 72 5	v 4/ Eg inigh	_	Palance of per 2 1 Source	ings of the spine
SOD, CATEGRACEOUS OB DAY, 200	SAMPLE MEASUREM	_	5	(4.#2	स्था पुरूषक का स्थापका प	3	3		Q.	1/67	c?
SOPEY : F 0 FFFLUENT GROSS VALV	PERMIT REQUIREM	50	DAILY MX	L887D)	ner ser ser ser ser ser So	30DA AVQ	DAILY			PA SALAMAR NOM	ب دو المهاجها
	SAMPLE MEASUREN					·					
	PERMIT REQUIREM	, 1988 C									
	SAMPLI MEASUREN										
	PERMIT REQUIREM	Short HTT				*					
	SAMPLI MEASUREN										
	PERMIT REQUIREM	Contract to a									
	SAMPLI MEASUREN										
	PERMIT REQUIREM	16.149.01.7	·						-1. -21 -2		
	SAMPL MEASUREN	i									
	PERMI' REQUIREM	ENT							į į		
NAME/TITLE PRINCIPAL EXECUTIVI バブ・エミハイベルモル・ブベ・ ドメ <i>やい・バル</i> セーカルベクマ TYPED OR PRINTED	OTTIOLIT	I certify under penalty of law th prepared under my direction or to assure that qualified personn submitted. Based on my inquiry or those persons directly respon submitted is, to the best of my k I am aware that there are signifi	supervision in accordance wit il properly gather and evaluat of the person or persons who sible for gathering the informa- nowledge and belief, true, accu- ient penalties for submitting !	h a system designed e the information manage the system, ation, the information trate, and complete. Talse information,	on SIGN	AND The		TELEPHO	5000	10	0 6 77
TYPED OF PRINTED COMMENTS AND EXPLANATION OF		including the possibility of fine	nd imprisonment for knowing	violations.	OFFICER OR AUTHORIZED AGENT AR CO			AREA NUMB	EK	YEAR	MO DA

Chenoweth		Report for	May-10 Concentr		ot. Exc.= 0		Pounds		
Tot. Flow=	4.815	T00	BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.
Date	Flow	TSS	BOD	NUS	recai	100	DOD	14110	101.11100.
5/1/10	0.356								
5/2/10	0.646								
5/3/10	0.464								
5/4/10	0.201								
5/5/10	0.129		3	0.56	20	4.4619	2.67714	0.499733	0.276
5/6/10	0.107		3	0.50	20	7.7010	2.077.	0.100700	5.2.5
5/7/10	0.1								
5/8/10	0.102								
5/9/10	0.101		3	0.5	14	6.45516	2.15172	0.35862	0.672
5/10/10	0.086		J	0.5	17	0,40010	2.10112	0.00002	0.0.2
5/11/10	0.087								
5/12/10	0.114								
5/13/10	0.093								
5/14/10	0.096 0.1								
5/15/10	0.165								
5/16/10	0.163		3.26	0.34	20	8.70696	4.730782	0.493394	0.435
5/17/10	0.174		3.20	0.04	20	0.7 0000			-,
5/18/10	0.100								
5/19/10 5/20/10	0.127								
5/20/10	0.122								
5/21/10	0.14								
5/23/10	0.157								
5/23/10	0.122		3	0.055	11	3.05244	3.05244	0.055961	1.17
5/25/10	0.105	=	Ũ	3.322			•		
5/25/10	0.099								
5/27/10	0.03								
5/28/10	0.087								
5/29/10	0.093								
5/30/10	0.092								
5/31/10	0.10								
Average	0.15		3.07	0.36	15.75	5,67	3.15	0.35	0.64
Maximum	0.134		3.26	0.56	20.00	8.71	4.73	0.50	1.17
Maximum	0.040	. 0.00	0.20						





May 4, 2010

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 AM on May 03, 2010, referencing Work Order 1062499 as a Rain event 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: On May 2 & 3 2010, due to increased plant flow caused by a storm event, the influent splitter box and surge basin overflowed resulting in a wet weather discharge to the waters of the U.S. Approximately 97,700 gallons overflowed. The plant aeration system was shut off prior to bypassing. The plant aeration system was shut off prior to bypassing. The design flow for this plant is 0.200 MGD. The peak flow for this event was 0.805 MGD. The total flow for May 2 was 0.646 MGD and 0.464 for May 3.
- Period of noncompliance: Starting 03:58 PM on May 02, 2010 and stopping 08:15 AM on May 03, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: Plant stopped bypassing when flows decreased.
- 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)-239-7475, my cell phone at (502)-396-9142 or via email at wrightd@msdlouky.org.

Sincerely,

Duane V. Wright

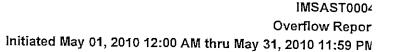
**Process Supervisor-Operations** 

cc:

Gary Levy, KDEP Paula Purifoy, MSD

eB File







Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV, DISSUS

KPDES#

KY0029459 (Cont'd)

Facility ID MSD0263 Water Quality Treatement Center CHENOWETH HILLS

Receiving Stream of Treatment Center CHENOWETH RUN

Region CENT

Condition

Activity Code / Description

DISREV: RAIN EVENT DISCHARGE WO # Initiated 1062499 05/02/10

Initiated 05/02/10 03:58 PM Initiated By Assigned To ELDER VIERLING

Disch Status DOCUMENTED

Event Date Problem

09/27/02 BYPASS AT WQTC

<u>Result</u> UNAUTHORIZED

<u>Completed</u> IZED 05/03/10 08:15

05/03/10 DI AM

DISCHAGE -WATERS

## Spot Inspections:

Discharge Amount	97,700 GAL	_
Cause;	LACK OF CAPACITY DUE TO STORM EVENT IN THE AREA	
Clean Up:	MSD CLEANED & SANITIZED THE AREA	:
Control Zone:	CONTAINED ON MSD PROPERTY BEHIND A 6' FENCE	
Impact;	PERSONAL HYGIENE PRODUCTS, SEWAGE & DEBRIS WAS OBSERVED	-
Repair,	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR	<del>-</del> '.

#### Notifications;

	1		
05/02/10 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov	
05/02/10 01:00 PM	4	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov	
j	1		
05/12/10 09:23 AM	DISPUB	MSD advised customer on site	-





May 4, 2010

Mr. Charlie Roth, District Supervisor KY Division of Water Louisville Regional Office 9116 Leesgate Road Louisville, KY 40222-5084

Bypass Report for the: Chenoweth Hills WQTC-KPDES Permit: KY0029459 Re:

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 AM on May 03, 2010, referencing Work Order 1062496 as a Rain event 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: On May 2 & 3 2010, due to increased plant flow caused by storm event, the effluent pump station overflowed, and resulted in a wet weather discharge to the waters of the U.S. Plant aeration was shut off prior to overflow. Surge basin was also full. Approximately 9,770 gallons overflowed. The design flow to this plant is 0.200 MGD. The peak plant flow during this event was .805 MGD. The total daily plant flow was 0.646 on May 2 and 0.464 MGD on May 3.
- Period of noncompliance: Starting 03:58 PM on May 02, 2010 and stopping 08:15 AM on May 03, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: Plant bypass stopped once flow decreased.
- Additional comments: No additional comments

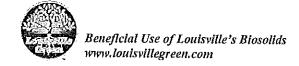
Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-239-7475, my cell phone at (502)-396-9142 or via email at wrightd@msdlouky.org.

Duane V. Wright
Process Co. **Process Supervisor-Operations** 

cc:

Gary Levy, KDEP Paula Purifoy, MSD

eB File





Report Selections: Excluding PPI, CSO, Result WUS, Act Code: DISDW, DISREV, DISSUS

KPDES#

KY0029459 (Cont'd)

Facility ID MSD0263

Water Quality Treatement Center **CHENOWETH HILLS** 

Receiving Stream of Treatment Center

CHENOWETH RUN

Region CENT

Condition

Activity Code / Description

DISREV: RAIN EVENT DISCHARGE

WO# 1062496

Initiated 05/02/10 03:58 PM Initiated By ELDER

Assigned To VIERLING

Disch Status DOCUMENTED Event Date Problem 09/27/02

BYPASS AT WQTC

Result UNAUTHORIZED

DISCHAGE -

WATERS

Completed 05/03/10 08:15

AM

Spc	n ir	ъp	CC	uor	15.
,					

Discharge Amount	9,770 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVEN IN THE AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	CONTAINED ON MSD PROPERTY BEHIND A 6' FENCE
Impact	SEWAGE OBSERVED
Repair.	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR

#### Notifications:

05/02/10 01:00 PM	DISNOT	· Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/02/10 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland sean epa.gov, eppc.ert ky.gov and Lisa A. Jeffries ky.gov
05/12/10 09:25 AM	DISPUB	MSD advised customer on site



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

May 4, 2010

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 STP - KPDES Permit KY0029459

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 12:28 PM on May 01, 2010, referencing Work Order 1062181 as a rain event 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: On May 1, 2010, due to increased plant flow caused by a storm event, this plant bypassed an estimated 41,944 gallons of biosolids to Waters of the U.S. The bypassed volume received full disinfection treatment. The design plant flow is 0.200 mgd. The peak plant flow rate during the time of bypass was 0.600 mgd. The total daily plant flow was 0.356 mgd. Due to an increased volume of the creek during this storm event, no negative visual impact of the plant effluent receiving stream was noticed.
- Period of noncompliance: Starting 12:28 PM on May 01, 2010 and stopping 14:23 PM on May 01, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: We reduced plant aeration timers to stop this bypass. In the future, we will reduce plant aeration timers prior to bypassing.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-239-7475, my cell phone at (502)-396-9142 or via email at wrightd@msdlouky.org.

Sincerely

Donald Rheinlaender, Jr.
Process Supervisor-Operations

cc:

Gary Levy, KDEP Paula Purifoy, MSD eB File





Report Selections: Excluding Pl	PI, CSO, Result WUS, Act Code:	DISDW, DISREV, DISSUS				
KPDES # KY0029459	Facility ID MSD0263	Water Quality Treate CHENOWETH HILLS		Receiving Stream of CHENOWETH RUN	Region CENT Discharge to STREAM	
Facility Type SPL Sewer Treatment Plant			lf Pump Station	a, Name of Pump Station:		
Activity Code / Description DISREY: RAIN EVENT DISCHARGE	<u>WO# Initiated</u> 1062181 05/01/10 12:28 PM	Initiated By Assigned To SINGLETON OTTO		ent Date Problem 9/27/02 BYPASS AT WQTC	Result UNAUTHORIZED DISCHAGE - WATERS	Completed Condition 05/01/10 02:23 PM

## Spot Inspections:

Discharge Amount	41,944 GAL		
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA		
Clean Up:	NO DEBRIS OBSERVED		
Control Zone:	NO CONTROL ZONE- PIPE DISCHARGE SUBMEGED		
Impact	NO IMPACT OBSERVED- PIPE DISCHARGE SUBMERGED		
Repair: THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR			

### Notifications:

05/01/10 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/01/10 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA:Jeffries@ky.gov
06/07/10 01:13 PM	DISPUB	No public notification occurred.

6/8/2010