

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

March 20, 2011

Ms. Crystal Thompson Kentucky Division of Water 200 Fair Oaks Lane Frankfort, Kentucky 40601

Re:

MSD Metro Operations

Berrytown WQTC; KPDES No.: KY0036501 Discharge Monitoring Reports – February 2011

V. hrigh

Dear Ms. Thompson:

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operating Report (MOR) for the Berrytown WQTC, KPDES No.: KY0036501 for the month of February 2011.

Also attached are bypass and overflow reports.

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/Berrytown 2.11

Enclosures

cc: '

C. Roth (DOW Louisville)

T. Singleton

R. Shaw



TO

YEAR

DAY

14 4

Form Approved. OMB No. 2040-0004

BERRYTOWN WOTO MSD

NAME

ADDRESS C/O CEDAR CREEK WOYC

8405 CEDAR CREEK RD

MY ADELL LOUISVILLE

FACILITY BERRYTOWN WOTC MED

LOCATION LOUISVILLE MY 40222 ATTM: DEMNIS THOMASSOM, SR METRO OPS

KYODB&SO1 PERMIT NUMBER

MO

YEAR

FROM

001 2 DISCHARGE NUMBER

MONITORING PERIOD

MO DAY

MINOR (SUBR LV) F - FIRAL

SANITARY WASTEWATER

EFFLUENT

*** NO DISCHARGE | ___ | ***

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN	TITY OR LOADING		QUALITY OR CONCENTRATION					FREQUENCY OF	SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	ANALYSIS	TYPE
OXYGEN, DISSOLVED	SAMPLE	安安安安安安	经营业等的		Ø	***	******	(19)	7	01/2	10
(20)	MEASUREMENT	0.75040	물존중광상당 6	****	. <u>0</u>	··· ********	****	↓ .		VEENLY	6R
20300 1 0 0 Effluent gross valu	PERMIT REQUIREMENT	李安安安安安	কেবেজকানাকা স	***	INST MIN			MGZL		V june drame is to beauto it	
^{्रम} श्च	SAMPLE MEASUREMENT	*******	海安安安安		プ / ス	安安安安安	7.3	(12)	0	01/07	GR
OG400 % 0 0 EFFLUENT GROSS VALU	PERMIT REQUIREMENT	水水水水水水	4. 各家家康宗宗	****	6.0 MINIMUM	*******	9.0 MAXIMUM	ತ ೮		MEENLY	GRAS
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	3, /	8.8	(26)	计论数数处理	5	12	(197	0	% >	ح ي
00500 1 0 0 <u>effluent gross valu</u>	PERMIT REQUIREMENT	IB. 8 30DA AVG	37.6 DAILY MX	LBS/DY	*****	30 30DA AVG	DAILY MX	1		sezalt	genre:
MITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	0.14	0.2	(26)	भागनी स्थानिक ने हैं है	0.3	0.3	(LW)	0	%	< P
00510 1 2 0 <u>Effluent gross valu</u>	PERMIT REQUIREMENT	6.26 30da ave	12.5 DAILY MX		· 在本本本本本。	JOEA AVG	DAILY MX	MG/L		very v	ta tail (1947) dan S
FLOW/ IN COMPUIT DR	SAMPLE	~	2-11	(03)	勃沙勒奇沙特	· · · · · · · · · · · · · · · · · · ·	· 数数分换条约		_	_	
·	MEASUREMENT	0.097	0.304					3 N. 42. 4	0	<u> </u>	CN
30050) 0 0	PERMIT	REPORT	REFORT INST MAX	MeD	· · · · · · · · · · · · · · · · · · ·	*****	*****	· 安安安安		บอบร	الله (۱۸۸ فیلیا
EFFLUENT ORDES VALU		CODA AVG	人名巴尔 10万人 文字传传经验	1.927	· · · · · · · · · · · · · · · · · · ·	The State of His	en af fitter of the effective of the eff	(397		2.00	
CHLORINE, TOTAL RESIDUAL	SAMPLE MEASUREMENT	AND STANCES OF	the the the second of the		24444	40.010	40,010	" " '	0	1%	6R
30060 1 0 1	PERMIT	. 计分分分分	참석국산장산 수	****	. 法济外的共产	O Ulli	0.019	1	7.	VEEKLY	Garan.
EFFLUENT GROSS VALU			i.	李安佐香		MD AVG	DAILY MX	MG/L		da Di	
COLIFORM FEGAL	SAMPLE	· 按於學學學於	经金额的		公子安安子会			(13)		04	1 0
<u>aeneral</u>	MEASUREMENT					2	ર્જ			(0)	61
74055 1 0 0	PERMIT	· 教育宗宗教教	· 李安安安安。	· 经分金	经婚姻的	200	400	1000	is I	warn. Y	126 64 344 325
EFFLUENT GROSS VALU		A STATE OF THE STA		经验收		SODA GEG	7 DA GEO	<u> </u>			
HJ. SCHARDEN, TR	prepare to assur	y under penalty of law that the ed under my direction or sup- re that qualified personnel pr led. Based on my inquiry of t e persons directly responsible	ervision in accordance with operly gather and evaluate the he person or persons who mand the for gathering the information	a system designed he information anage the system, on, the information		ane V.h.	riche	TELEPHON	- <u>.:</u>		ATE
EXECUTIVE DIRECT	1 4111 47	ted is, to the best of my know ware that there are significan	t penalties for submitting fal	se information,	SIGNA	ATURE OF PRINCIPAL FICER OR AUTHORIZE		2 (-40 (O DAY
TYPED ON PRINTED		ng the possibility of fine and i		zonacions.	9.1		COL	DE LACIMOE	• •	I EAR IV	DAT

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

SERRYTOWN WOTO MED

ADDRESS C/O CEDAR CREEK WOTO

SAOS CEDAR CREEK RD

ATTM: DENNIS THOMASSON, SR METRO DPS

LOUISVILLE

MY 40211

FACILITY BERRYTOWN WOTO MED LOCATION LEWISVILLE

KY 40EEE

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

MONITORING PERIOD

TO

YEAR

KYOCGASO1 **PERMIT NUMBER**

DAY

МО

YEAR

J. A.

FROM

001 2 DISCHARGE NUMBER

MO

MINOR

DAY

7....

(SUBR LV) F - FIRML

Form Approved.

OMB No. 2040-0004

The same of the sa

SANITARY WASTEWATER

EFFLUENT

*** NO DISCHARGE !

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN	QUANTITY OR LOADING			QUALITY OR CONCENTRATION							SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINI	MUM	AVERAGE	MAXIMU	М	UNITS	EX	OF ANALYSIS	TYPE
309, CARBONACHOUS OS DAY, 200	SAMPLE MEASUREMEN	ır 2.5	3.3	(26)	35-4	计数字字钟	5	6		1 177	0	%	-0
BOOBE 1 O D <u>Effluent Bross val</u> ux	PERMIT REQUIREMEN	18.8 I Boda avg	37. & DAILY MX	LBS/DY		***	30DA AV	2020	60 MX	MG/L	33 3 15 3 15 5 17 7	NEERL	rubin-u
	SAMPLE MEASUREMEN	r											
	PERMIT REQUIREMEN	Т						7.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00					
	SAMPLE MEASUREMEN	іт											
	PERMIT REQUIREMEN	Т				Š S		Alexandra de la compansión de la compans				25 11 12 13	
	SAMPLE MEASUREMEN	п								•			
	PERMIT REQUIREMEN	I						San Jacobs					
	SAMPLE MEASUREMEN	т					·			<u>.</u>			
	PERMIT REQUIREMEN				1965 1975			266 208 208 208 208 208 208 208 208 208 208	7 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)		TATE OF THE STATE		
	SAMPLE MEASUREMEN	Т			1,								
	PERMIT REQUIREMEN		and the second s			/5/ 5 5 6 6 2/ 5 6 6							
	SAMPLE MEASUREMEN	Т											
	PERMIT REQUIREMENT						en e		12.00 12.00 13.00 10.00				
NAME/TITLE PRINCIPAL EXECUTIVE	OFFICER 1 cert	ify under penalty of law that the ared under my direction or sup	nis document and all attachme	ents were					TE	LEPHON	E	D	ATE
H. J. SCHARDEIN, JR.	to as: subm	sure that qualified personnel pr uitted. Based on my inquiry of t ose persons directly responsible	operly gather and evaluate the he person or persons who ma e for gathering the information	ic information nage the system, n, the informatio	n ,	Dr	iane V.	Knieda	-				
EXECUTIVE DIRECT TYPED OR PRINTED	1 100	itted is, to the best of my know aware that there are significan ding the possibility of fine and	t penalties for submitting fals	e information.			TURE OF PRINCIP		SDス AREA CODE	<i>540</i> % c		// YEAR N	3 <u>スス</u> 10 DAY

PAGE

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

Berrytown Tot. Flow=		Report for	Feb-11		Γot. Exc.=	0	Pounds			•		
Date	2.727 Flow	TSS	Concentr BOD	NH3	Fecal	TSS	BOD	NH3	Tot. Phos.			
2/1/11	0.079	3	5	0.22	1 CCai	1.977	3.294	0.145				
2/2/11	0.213	C	J	U.ZZ	8	1.077	0.204	0.140	1.10			
2/3/11	0.121											
2/4/11	0.09											
2/5/11	0.099											
2/6/11	0.095											
2/7/11	0.095											
2/8/11	0.088	12	4	0.28	1	8.807	2.936	0.205	0.765			
2/9/11	0.105		·									
2/10/11	0.077											
2/11/11	0.063											
2/12/11	0.064											
2/13/11	0.059											
2/14/11	0.054											
2/15/11	0.049	2	3	0.28	2	0.817	1,226	0.114	1.34			
2/16/11	0.044											
2/17/11	0.052											
2/18/11	0.043											
2/19/11	0.044											
2/20/11	0.048											
2/21/11	0.051											
2/22/11	0.053	2	6	0.22	1	0.884	2.652	0.097	2.2			
2/23/11	0.049											
2/24/11	0.085											
2/25/11	0.304											
2/26/11	0.257											
2/27/11	0.188											
2/28/11	0.158											
3/1/11												
3/2/11												
3/3/11												
Average	0.097	4.75	4.50	0.25	2.00	3.12		0.14				
Maximum	0.304	12.00	6.00	0.28	8.00	8.81	3.29	0.21	2.20			
									-			

.





February 4, 2011

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

Re: Bypass Report for the: Berrytown WQTC- KPDES Permit: KY0036501

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on February 02, 2011, referencing Work Order 1196294 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 February 2, 2011, due to increased plant flow caused by storm event, the plant digester overflowed, resulting in a wet weather bypass to waters of U.S. Plant aeration was shut off prior to bypass, but digester aeration was not shut off. Approximately 30 gallons overflowed. The design flow to this plant is 0.075 MGD. The peak plant flow during this bypass was 0.207 MGD. The average flow during this event was 0.206,784 MGD. Total flow for the day was 0.213 MGD.
- Period of noncompliance: Starting 01:13 AM on February 02, 2011 and stopping 01:15 AM on February 02, 2011.
- Steps taken or planned to reduce, eliminate and prevent recurrence: All blowers will be shut off during rain events which cause elevated plant flows.
- Additional comments: No additional comments

V. hrigh

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 wrightd@msdlouky.org.

Sincerely,

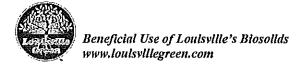
Duane V. Wright

Process Supervisor-Operations

cc:

Gary Levy, KDEP Paula Purifoy, MSD

eB File





DISPUB

DISNOT

02/02/11 12:58 AM

			Water Quality Treatement Center BERRYTOWN				eceiving Stream of LOYDS FORK	Region CENT		
Facility Type Facility ID SPL Sewer Treatment Plant MSD0209			Facility Address 1203 HEAFER RD		If Pump Station, Name of Pump Station:			Receiving Stream	Discharge to STREAM	
ctivity Code / Description WO # ISREV: RAIN EVENT 11962 ISCHARGE Spot Inspections:		<u>i</u> 1 01:13 AM	Initiated By ELDER	Assigned To COOMER	<u>Disch Status</u> DOCUMENTED	<u>Event Date</u> 02/02/11	Problem BYPASS AT WQTC	Result UNAUTHORIZED DISCHAGE - WATERS	<u>Completed</u> 02/02/11 01:15 AM	Condition
Discharge Amount	pojateko kalendra (zeja jep pojer jejemeljene).	30 GAL	u-Matemate (An et al Confesso de Repúblico e vegado a de Sel Sente Consesso de la co		rya 1487 yang 1888 i Kabalanda Abring 1518 yang palambahan ay Bisa asan Bibrahang saya papa	rapsychological popularity state on state the every state of	الماء المحافظة المحاف	n meet al 22 Telefacient of all facilities of the Collection for the perfect of alcohome during an extended	BUILDANG AND TO THE BOTTON BOTTON BUILD WHICH, pulsy joint for five free pulsy.	troude lla harandricky
Cause:		LACK OF CA	PACITY DUE TO I	RAIN EVENT IN AR	EA	ritista Peru Allendia en al Princept de Chatta (Carlot de Chatalana). Printe	elle andre tit delle setten sen sich till foret verbrig (f. per p. engagne) o state, men proportionelle in de I		Hadda land na haad a wa'aanad ay a aan a a Africa y yayay, a wa'a'ya yayaan yayab yayaa	errormantin (ellits visitite share): 1
Clean Up:	ennermonalental landina	NO DEBRIS	liyan lahirinda siin siirra a missaarii ahamada chiinnaasii ah masijasayan	Socialisch zij delimbyde OE gydningerydningsbed op nyffoliet ei web-myda Etoniyya	Mayerially secures ling interest ^{ura} s and increases as even on the activate enfoldables:	ыположения инфонентация по примененти и домогно и домогно не деля	स्त . कर्षण्याच्यापुरे निर्माणीत् व्यवस्थान क्षाया वर्षा स्थापात स्थापात स्थापात स्थापात स्थापात स्थापात स्थाप	riid estrumininte vaa muusikan kan kan kun en muus estrumiseen avalla muudekse en maassa kulus kan kan kun kun Kan kun kun kun kun kun kun kun kun kun ku	adeligada Degallegilada degallegilegilegilegilegilegilegilegilegileg	VINEACOPANTERS AUMERS A
Control Zone:	Later O' Si Brown (1994) of a mediant purify of disrept access	TEMPORAR	Y SIGNS PLACED	AROUNS AFFECT	ED AREA	entitiere en justimen des Periors Periors (opposet perior) en defens	(TO COMMAND AND AND AND AND AND AND AND AND AND	t e The Committee of th		
		SEWAGE O	N THE GROUND W	ASHED AWAY BY	RAIN	THE STATE OF THE S	historian (is promish a Barani Nakagaja, a hali namahari dibak Hopey Asymmus ad	t tig sjekesladde sûndsprocksjigsjocht i jelli in elektromete kan marjel ja eganglands gystafafar og anstrop e T	affiliterati (ettis 1944) ille ille ille ille kandelinin end alegon, į pir pir _e iro _e iro (para, _e ero).	
Impact	!									

Temporary signs around affected area Supervisor notified employees of hazzard

Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





February 28, 2011

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

Re: Bypass Report for the Berrytown WQTC - KPDES Permit KY0036501

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on February 25, 2011, referencing Work Order 1213792 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 February 25, 2011, due to increased plant flow caused by a rain event, the plant overflowed, resulting in a wet weather bypass to waters of the U.S. Plant Aeration was shut off prior to bypass. Approximately 18,000 gallons overflowed. The design flow to this plant is 0.075 MGD. The peak plant flow during this bypass was 0.360 MGD. The total flow during this event was 0.089 MGD. The total flow for the day was 0.305 MGD
- Period of noncompliance: Starting 10:30 AM on February 25, 2011 and stopping 04:19 PM on February 25, 2011.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD will haul plant if resources are available.

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 wrightd@msdlouky.org.

Sincerely,

Duane V. Wright

Process Supervisor-Operations

cc:

Gary Levy, KDEP

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

eB File



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

KPDES#

KY0036501 (Cont'd)

Facility ID MSD0209

Water Quality Treatement Center

BERRYTOWN

Receiving Stream of Treatment Center

FLOYDS FORK

Region CENT

Activity Code / Description

DISREV: RAIN EVENT DISCHARGE

WO#

Initiated

1213792 02/25/11 10:30 AM

Initiated By Assigned To SINGLETON WRIGHT

Disch Status

DOCUMENTED

Event Date Problem 02/02/11 BYPASS AT WQTC

Result UNAUTHORIZED

WATERS

Completed 02/25/11 04:19 Condition

DISCHAGE -

PM

Spot Inspections:

Discharge Amount:	18,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED, SANITIZED & LIMED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED AROUND THE AREA
Impact:	SEWAGE, DEBRIS & PERSONAL HYGIENE PRODUCTS OBSERVED ON THE GROUND
Repair:	HAULING UNTIL STATION REPAIRED, WORK ORDER #1214472

Notifications:

	or o'the Learnilleen when Manhylinkan jihay baasaayaan aa gara :	
02/25/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
02/25/11 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
02/25/11 10:30 AM	DISPUB	TEMPORARY SIGNS POSTED





March 3, 2011

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

Re: Bypass Report for the Berrytown WQTC - KPDES Permit KY0036501

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on February 28, 2011, referencing Work Order 1215307 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 February 28, 2011, due to increased plant flow caused by a rain event, the plant overflowed, resulting in a wet weather bypass to waters of the U.S. Plant Aeration was shut off prior to bypass. Approximately 10,875 gallons overflowed. The design flow to this plant is 0.075 MGD. The peak plant flow during this bypass was 0.894 MGD. The total flow during this event was 0.002MGD. The total flow for the day was 0.159 MGD.
- Period of noncompliance: Starting 12:00 PM on February 28, 2011 and stopping 02:25 PM on February 28, 2011.
- Steps taken or planned to reduce, eliminate and prevent recurrence: MSD will haul water from plant if resources are available.

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 wrightd@msdlouky.org.

+ ''

Duane V. Wright

Process Supervisor-Operations

cc:

Gary Levy, KDEP

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

eB File

Rev: 12/15/2010





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

KPDES#

KY0036501 (Cont'd)

Facility ID MSD0209

Water Quality Treatement Center

BERRYTOWN

Receiving Stream of Treatment Center

FLOYDS FORK

Region CENT

Condition

Activity Code / Description

DISREV: RAIN EVENT DISCHARGE

WO# 1215307

Initiated 02/28/11 12:00 PM Initiated By SINGLETON Assigned To WRIGHT

Disch Status DOCUMENTED Event Date Problem 02/02/11

BYPASS AT WQTC

Result

Completed UNAUTHORIZED 02/28/11 02:25

PM

DISCHAGE -

WATERS

Spot Inspections:

Discharge Amount:	10,875 GAL
Cause:	AERATION TANK LEAKING DURING RAIN EVENT
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED AROUND EFFECTED AREA
Impact:	SEWAGE OBSERVED
Repair:	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR

Notifications:

	Afternium (hijeriorus) kalent nyapayayin meto ya yanayayany	
02/28/11 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffnes@ky.gov
	ALL PROPERTY AND ADDRESS OF THE PARTY OF THE	
02/28/11 12:00 AM	DISPUB	TEMPORARY SIGNS PLACED AROUND THE EFFECTED AREA
02/28/11 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffnes@ky.gov