

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

July 28, 2010

Ms. Carolena Bentley DMR Coordinator 200 Fair Oaks Lane Frankfort, Kentucky 40601

Re: MSD Metro Operations

Hunting Creek South; WQTC KPDES No.: KY0029114

Discharge Monitoring Reports - June 2010.

Dear Ms. Bentley

Attached are the Discharge Monitoring Reports (DMRs) and the Monthly Operator Report (MOR) for the Hunting Creek South WQTC, KPDES No.: KY0029114 for the month of June 2010.

There are no overflow reports.

Attached is a bypass report for the month of June.

There were 5 exceedances for the month of June. Two exceedances were for Ammonia Nirtogen concentrations of monthly average and maximum weekly average, two exceedances were for Ammonia Nitrogen loadings of monthly average and maximum weekly average, and one exceedance was for the total suspended solids % removal. MSD has continued testing on the Hunting Creek South treatment plant and the pond. The test results still indicate that the elevated Ammonia Nitrogen and total suspended solids are due to the performance of the pond. Since April 2010, 170,000 gallons have been hauled from the bottom of the bottom of the pond. As a result, current laboratory test results indicate that the facility is now in full compliance for Ammonia Nitrogen. Laboratory test results also indicate that the effluent total suspended solids concentrations are decreasing.

If you have any questions concerning the attached DMRs, please contact me at (502)587-5856.



Sincerely,

D.J.Rheinlaender
Process Supervisor, East Region

DJR/HCS 0610

Enclosures

cc:

C. Roth (DOW Louisville)
T. Singleton
R. Shaw

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

HUNTING CREEK S WOTC MSD

ADDRESS CYC CEDAR CREEK WOTC BAOS CEDAR CREEK RD

LOUISVILLE

KY 40211

FACILITY HUNTING CREEK S WOTO MSD LOCATION PROSPECT

·KY 40059 ATTM: DENNIS THOMASSON, SR METRO DPS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

KYOO27114 **PERMIT NUMBER**

MO.

DAY

YEAR

FROM

QQ1 1 **DISCHARGE NUMBER**

MONITORING PERIOD YEAR MO. DAY. TO

Form Approved. OMB No. 2040-0004

JEFFE

MINOR (SUBR LV)

F - FINAL MUNICIPAL DISCHARGE

EFFLUENT

*** NO DISCHARGE | | | ***

NOTE: Read Instructions before completing this form.

PARAMETER		QUAN'	TITY OR LOADING			NO.	OF	SAMPLE TYPE			
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) NAME

HUNTING CREEK & WOTC MSD

ADDRESS C/D CEDAR CREEK WOTC BAOS CEDAR CREEK RD

LOUISVILLE

KY 40211

FACILITY HUNITING CREEK B WOTC MSD LOCATION PROSPECT

KY 40059

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

DAY

MYOUZ9114 PERMIT NUMBER

MO

YEAR

FROM

DISCHARGE NUMBER

MONITORING PERIOD YEAR MO DAY. TO

Form Approved. OMB No. 2040-0004

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MIMOR (SUBR LV)

F - FINAL MUNICIPAL DISCHARGE

EFFLUENT

NO DISCHARGE !

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TYPED OR PRINTED COMMENTS AND EXPLANATION OF A		g the possibility of fine and i		iolations.	OFFICER OR AUTHORIZED AGENT			E NUMBER	1	YEAR M	O DAY

					INFLUENT			
		Co	ncentration				Poun	ds
Date	Flow	TSS	BOD	NH3		TSS	BOD	NH3
6/1/2010	0.164							
6/2/2010	0.172	84	427	17.92		120.496	612.523	25.706
6/3/2010	0.197							
6/4/2010	0.084							
6/5/2010	0.157							
6/6/2010	0.147							
6/7/2010	0.147							
6/8/2010	0.137							
6/9/2010	0.279	34	98	22.74		79.113	228.032	52.913
6/10/2010	0.195							
6/11/2010	0.168							
6/12/2010	0.198							
6/13/2010	0.178							
6/14/2010	0.254						*	
6/15/2010	0.185							
6/16/2010	0.176	184	106	17.58		270.083	155.591	25.805
6/17/2010	0.164							
6/18/2010	0.157							
6/19/2010	0.238							
6/20/2010	0.193							
6/21/2010	0.168					÷		
6/22/2010	0.164							
6/23/2010	0.155	56	145	17.7		72.391	187.442	22.881
6/24/2010	0.152							
6/25/2010	0.147							
6/26/2010	0.156							
6/27/2010	0.163							
6/28/2010	0.122							
6/29/2010	0.171							
6/30/2010	0.145							
Average	0.171	90	194	18.99		135.521	295.897	31.826
Maximum	0.279	184	427	22.74		270.1	612.52	52,913

Hunting C		Report for	Jun-10		Tot. Exc.=	1 \	VIOLATION				
Date	Flow	TSS	Concenta BOD			70 -	Pound				
6/1/10			BOD	NH3	Fecal	TSS	BOD	ИНЗ	Tot. Phos.	TSS Rem	BOD Rem
6/2/10			4	4.04	•	57.020					
6/3/10			4	4.31	2	57.379	5.738	6.183		0.52381	0.990632
6/4/10											
6/5/10											
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6/13/10											
6/14/10											
6/15/10											
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6/18/10	0.157	•									
6/19/10											
6/20/10											
6/21/10	0.168										
6/22/10	0.164										
6/23/10	0.155	9	2	0.62	2	11.634	2.585	0.801	0.382	0.839286	0 986207
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6/25/10	0.147										
6/26/10	0.156										
6/27/10	0.163										
6/28/10	0.122										
6/29/10	0.171										
6/30/10	0.145										
Average	0.171	25,40	3.00	3.65	2.00	42.11	4.93	6.56	0.89	72%	000/
Maximum	0.279	40.00	4.00	7.28	2.00	69.81	6.98	16,94	1.12	12%	98%
Exceed.	2	0	0	0	0	0	0.00	10,04	0	4	0
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Minimum	0.084	MIN MA	4X				-	J	3	1	U
	DO (min)										





June 15, 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: Hunting Creek So. WQTC-KPDES Permit: KY0029114

Dear Mr. Roth:

This plant experienced a bypass event and has been reported through our electronic notification system at approximately 01:00 PM on June 14, 2010, referencing Work Order 1094894 as a Wet Weather Bypass. 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 June 14, 2010, we discovered sludge overflowing the plant digester. This was an oversight caused by an operator leaving the plant skimmer system valved to the digester. Approximately 50 gallons of sludge was bypassed.
- Period of noncompliance: Starting 07:45 AM on June 14, 2010 and stopping 07:50 AM on June 14, 2010.
- Steps taken or planned to reduce, eliminate and prevent recurrence: Upon discovery, MSD personnel turned off the skimmer which stopped the bypass. We are scheduled to conduct SOP training classes for Hunting Creek So. WQTC on June 30, and July 1, 2010.
- Additional comments: There are no additional comments.

Please advise if you have any questions concerning this information. You can contact me on my office telephone at (502)-587-5856, my cell phone at (502)-548-3209 or via email at rheinlae@msdlouky.org.

Sincerely,

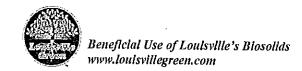
D.J. Rheinlaender

Process Supervisor-Operations

cc:

Gary Levy, KDEP Paula Purifoy, MSD

eB File





Report Selections: Excluding PPI, CSO, Excluding LAT and SSL, Prob Code: BYPAS, Result: WUS, Act Code: DISDW, DISREV, DISSUS

KPDES # KY0029114 Facility ID MSD0292 Water Quality Treatement Center HUNTING CREEK SOUTH

Receiving Stream of Treatment Center HARRODS CREEK

Region EAST

Facility Type

Facility ID

Facility Address

If Pump Station, Name of Pump Station:

Receiving Stream

Discharge to

SPL Sewer Treatment Plant

MSD0292

6530 MONTERO DR

HARRODS CREEK

STREAM

Activity Code / Description
DISREV: RAIN EVENT
DISCHARGE

<u>WO#</u> 1094894 Initiated 06/14/10 07:45 AM <u>Initiated By</u> ELDER Assigned To RHEINLAENDE R JR

<u>Disch Status</u> REPAIRED -ISSUE

RESOLVED

Event Date Problem

06/14/10 BYPASS AT WQTC

Result
UNAUTHORIZED
DISCHAGE -

Completed 06/14/10 07:50

AM

Condition

D13

WATERS

Spot Inspections:

Discharge Amount	50 GAL
Cause:	WHILE SKIMMING CLARIFIERS TO THE DIGESTER, THE DIGESTER OVERFLOWED.
Clean Up:	CONTRACTING B & H TO VACTOR & CLEAN CREEK & BANK, MSD TO SANITIZE AREA
Control Zone:	TEMPORARY SIGNS AROUND AREA & PERMENANT SIGNS ALONG CREEK
Impact:	SLUDGE ON THE GROUND & IN THE CREEK
Repair:	OPERATOR TURNED OFF SKIMMER TO STOP THE BYPASS.

Notifications:

06/14/10 D9:02 AM	DISPUB	Temporary signs posted around area, Permenant signs along creek, Supervisor notified employees working in the area
06/14/10 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland,sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/14/10 01:00 AM		Supplemental Email notification of unauthorized discharge has been sent to ireland sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 2
Total Work Orders Printed: 3