



MSD

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

June 24, 2008

Ms. Kathy Thurman
Kentucky Division of Water
14 Reilly Road
Frankfort, Kentucky 40601

RE: Hite Creek Wastewater Treatment Plant, KPDES No: KY0022420
Discharge Monitoring Report for May 2008.

Dear Ms. Thurman:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operator Report (MOR) for the Hite Creek Wastewater Treatment Plant, for the month of May 2008.

Also included are the May discharge reports.

If you have any questions concerning the attached DMR's, please contact me at (502)241-9093.

Sincerely,

John Kessel
Process Supervisor, East Region

JMK/ Hite Creek.0508

Enclosures

cc: C. Roth(DOW Louisville)
T. Singleton
P. Burgin
R. Shaw



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

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

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

MAJOR
(SUBR LV)
F - FINAL
MUNICIPAL WASTEWATER
EFFLUENT

JEFF

NAME MSD HITE CREEK STP
ADDRESS C/O CEDAR CREEK STP
8405 CEDAR CREEK RD
LOUISVILLE KY 40211
CITY MSD HITE CREEK STP
LOCATION LOUISVILLE KY 40201
ATTN: DENNIS THOMASSON, SR METRO OPS

KY0022420
PERMIT NUMBER

001 2
DISCHARGE NUMBER

MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	05	05	01		05	05	31

*** NO DISCHARGE [] ***

NOTE: Read Instructions before completing this form.

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
OXYGEN, DISSOLVED (DO)		*****	*****		9.0	*****	*****	(19)	0	3/7	Gr.b
0300 I O O EFFLUENT GROSS VALUE		*****	*****	*****	7 INST MIN	*****	*****	MG/L		FREE/GRAB WEEK	
H		*****	*****		7.7	*****	*****	(12)	0	3/7	Gr.b
0400 I O O EFFLUENT GROSS VALUE		*****	*****	*****	4.0 MINIMUM	*****	9.0 MAXIMUM	5U		FREE/GRAB WEEK	
SLIDS, TOTAL UNSPENDED		*****	*****	(26)	*****	155	179	(19)	0	3/7	Comp
0520 G O O RAW SEW/INFLUENT		*****	*****	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		FREE/COMPOS WEEK	
SLIDS, TOTAL UNSPENDED		*****	*****	(26)	*****	11	15	(19)	0	3/7	Comp
0530 I O O EFFLUENT GROSS VALUE		*****	*****	LBS/DY	*****	30 MO AVG	45 MX WK AV	MG/L		FREE/COMPOS WEEK	
NITROGEN, AMMONIA TOTAL (AS N)		*****	*****	(26)	*****	14	17	(19)	0	3/7	Comp
0610 G O O RAW SEW/INFLUENT		*****	*****	LBS/DY	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		FREE/COMPOS WEEK	
NITROGEN, AMMONIA TOTAL (AS N)		*****	*****	(26)	*****	0.79	2	(19)	0	3/7	Comp
0610 I I O EFFLUENT GROSS VALUE		*****	*****	LBS/DY	*****	100 MO AVG	150 MX WK AV	MG/L		FREE/COMPOS WEEK	
PHOSPHORUS, TOTAL (AS P)		*****	*****		*****	1.23	1.563	(19)	0	1/7	Comp
0665 I I O EFFLUENT GROSS VALUE		*****	*****	*****	*****	REPORT MO AVG	REPORT MX WK AV	MG/L		WEEKLY/COMPOS	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Eric Dier
H. J. Schandee, Jr.
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY
50	241-4093	08	06	24

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

USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

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

MAJOR
(SUBR LV)
F - FINAL
MUNICIPAL WASTEWATER
EFFLUENT

JEFFE

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MONITORING PERIOD							
FROM	YEAR	MO	DAY	TO	YEAR	MO	DAY
	05	05	01		05	05	31

*** NO DISCHARGE ***

NOTE: Read Instructions before completing this form.

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
LOW, IN CONDUIT OR HRU TREATMENT PLANT	4.448	7.580	(03)	*****	*****	*****		0	1/2	1/2	
0050 I O O	REPORT	REPORT		*****	*****	*****					
EFFLUENT GROSS VALUE	MO AVG	DAILY MX	MGD	*****	*****	*****	****				
COLIFORM, FECAL	*****	*****		*****	13	101	(13)	0	3/7	Grab	
GENERAL	*****	*****	****	*****	200	400	#/				
4055 I O O	*****	*****	****	*****	30DA GEO	7 DA GEO	100ML				
EFFLUENT GROSS VALUE	*****	*****	****	*****	127	146	(19)	0	3/7	Comp	
BOD, CARBONACEOUS	4505	4960	(26)	*****	REPORT	REPORT					
15 DAY, 20C	MO AVG	MX WK AV	LBS/DY	*****	MO AVG	MX WK AV	MG/L				
10082 G O O	*****	*****	****	*****	5	7	(19)	0	3/7	Comp	
RAW SEW/INFLUENT	*****	*****	****	*****	10	15					
BOD, CARBONACEOUS	500	751	(26)	*****	MO AVG	MX WK AV	MG/L				
15 DAY, 20C	MO AVG	MX WK AV	LBS/DY	*****	96%	*****	*****	0	1/31	Cal	
10082 I O O	*****	*****	****	*****	85	*****	*****				
EFFLUENT GROSS VALUE	*****	*****	****	*****	MO AVG	*****	*****				
BOD, CARB-5 DAY, 20	*****	*****	****	*****	91%	*****	*****	0	1/31	Cal	
NEG C, PERCENT REMVL	*****	*****	****	*****	85	*****	*****				
30091 K O O	*****	*****	****	*****	MO MIN	*****	*****				
PERCENT REMOVAL	*****	*****	****	*****	*****	*****	*****				
SOLIDS, SUSPENDED	*****	*****	****	*****	*****	*****	*****				
PERCENT REMOVAL	*****	*****	****	*****	*****	*****	*****				
31011 K O O	*****	*****	****	*****	*****	*****	*****				
PERCENT REMOVAL	*****	*****	****	*****	*****	*****	*****				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER Exec Dir. H.J. Schaefer, Jr. TYPED OR PRINTED	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE			
			502 241 9093	08	06	24	
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)			AREA CODE	NUMBER	YEAR	MO	DAY

USE MO AVG FOR BOD/TSS REMV; REPT IN MINIMUM COLUMN.

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

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

MAJOR
(SUBR LV)
F - FINAL

JEFFE

NAME MSD HITE CREEK STP
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8405 CEDAR CREEK RD
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MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
08	05	01		08	05	31

REASONABLE POTENTIAL
EFFLUENT

*** NO DISCHARGE () ***

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PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CYANIDE, FREE (AMEN. TO CHLORINATION)	0722 1 0 0	0.01	0.01			0.01	0.01	MG/L	0	1/31	Comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX			REPORT MD AVG	REPORT DAILY MX	MG/L		1/31	COMPOS MONTH
HARDNESS, TOTAL (AS CaCO3)	0900 1 0 0	212	212			212	212	MG/L	0	1/31	Comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX			REPORT MD AVG	REPORT DAILY MX	MG/L		1/31	COMPOS MONTH
CHROMIUM, HEXAVALENT (AS CR)	1032 1 0 0	0.01	0.01			0.01	0.01	MG/L	0	1/31	Comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX			REPORT MD AVG	REPORT DAILY MX	MG/L		1/31	COMPOS MONTH
CADMIUM TOTAL RECOVERABLE	1113 1 0 0	0.00002	0.00002			0.00002	0.00002	MG/L	0	1/31	Comp
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT MD AVG	REPORT DAILY MX			REPORT MD AVG	REPORT DAILY MX	MG/L		1/31	COMPOS MONTH
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
Eric Director
J. Schade Jr
TYPED OR PRINTED

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
502 1241-9093
TELEPHONE NUMBER
DATE 08 06 24
AREA CODE NUMBER YEAR MO DAY

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



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMSAST0004
Discharge Report

Initiated May 01, 2008 12:00 AM thru May 31, 2008 11:59 PM

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

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region					
KY0022420	MSD0202	HITE CREEK	HITE CREEK	EAST					
Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to				
SMH Sewer Manhole	105914	6845 STHY 329 BYP		SOUTH FORK HARRODS CREEK	GROUND				
Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed
DISDW DRY WEATHER DISCHARGE	766600	05/25/08 03:00 PM	DUNLAP	DUNLAP	REPAIRED - ISSUE RESOLVED	05/26/08	ROOTS	DISCHARGE TO WATERS OF THE US	05/25/08 06:00 PM

Spot Inspections:

Discharge Amount: 20 GAL
 Cause: ROOTS IN MAIN SEWER
 Clean Up: MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
 Control Zone: PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA
 Impact: SEWAGE/WATER DISCHARGING FROM MANHOLE
 Repair: WORK ORDERS 786600 AND 789712 - ROOT CUT THE MAIN SEWER

Notifications:

05/25/08 03:00 PM ADVISED CUSTOMER ON SITE
 05/25/08 12:58 PM Email notification of unauthorized discharge sent to seand.sean@epa.gov, epcc.en@ky.gov and LisaA.Leffries@ky.gov

W.C. 0071

Jun. 24. 2008 9:40AM



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMSAST0004

Discharge Report

Initiated May 01, 2008 12:00 AM thru May 31, 2008 11:59 PM

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

XPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region					
KY0022420 (Cont'd)	MSD0202	HITE CREEK	HITE CREEK	EAST					
Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to				
S/N Sewer Main	93098A-V	5225 CHAMBERLAIN LN		WOLF PEN BRANCH	DITCH				
<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>
DISDW: DRY WEATHER DISCHARGE	785814	05/22/08 09:30 AM	MARKS JR	BROWN	REPAIRED - ISSJE RESOLVED	05/22/08	UTILITY DAMAGED MSD ASSET	DISCHARGE TO WATERS OF THE US	05/22/08 09:45 AM

Spot Inspections:

Discharge Amount:	500 GAL
Cause:	BACK-OF BROKE FORCE MAIN
Clean Up:	CONTRACTOR CLEANED AND SANITIZED AREA
Control Zone:	TEMP SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	CONTRACTOR REPAIRED LINE AND PUT BACK IN SERVICE

Notifications:

05/22/08 12:38 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.e.t@ky.gov and LisaA.Jeff@es@ky.gov
05/22/08 12:13 AM	TEMPORARY SIGNS POSTED



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMSAST0004

Discharge Report

Initiated May 01, 2008 12:00 AM thru May 31, 2008 11:59 PM

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

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region					
KY0022420 (Cont'd)	MSD0202	HITE CREEK	HITE CREEK	EAST					
Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to				
SP_ Sewer Treatment Plant	MSD0202	5500 H.T.T RD		HITE CREEK	STREAM				
Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed
DISREV: RAIN EVENT DISCHARGE	75019	05/16/08 03:00 AM	MARKS JR	LARLE	REPAIRED - ISSUE RESOLVED	01/08/08	BYPASS AT TREATMENT PLANT	DISCHARGE TO WATERS OF THE US	05/16/08 03:10 AM

Spot inspections:

Discharge Amount:	120,000 GAL
Cause:	CLARIFIER HYDRAULICALLY OVER-LOADED DUE TO RAIN FLOW
Clean Up:	PIPE SUBMERGED DISCHARGE NO CLEANUP
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	PLACED SECOND CLARIFIER IN SERVICE TO HANDLE ADDITIONAL FLOW

Notifications:

05/16/08 02:05 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, spcc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/15/08 03:00 AM	Temporary signs placed



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMSAST0004
Discharge Report

Initiated May 01, 2008 12:00 AM thru May 31, 2008 11:59 PM

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

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region					
KY0022420 (Cont'd)	MSD0202	HITE CREEK	HITE CREEK	EAST					
Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to				
SLS Sewer Lift Station	MSD108E-PS	7250 FLOYDSBURG RD	FLOYDSBURG ROAD	FLOYDS FORK	DITCH				
Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Status	Event Date	Problem	Result	Completed
DISREV: RAIN EVENT DISCHARGE	778228	05/06/08 08:25 PM	MARKS JR	HOWARD	DISCHARGED	08/30/05	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	05/08/08 06:30 PM

Spot Inspections:

Discharge Amount: 325 GAL
 Cause: RAIN EVENT LACK OF SYSTEM CAPACITY
 Clean Up: NO DEBRIS
 Control Zone: TEMPORARY SIGNS POSTED
 Impact: NO IMPACT OBSERVED
 Repair: HAULED TO PREVENT ADDITIONAL DISCHARGE WO#778228

Notifications:

05/06/08 12:58 PM : Email notification of unauthorized discharge sent to ireland.sear@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
 05/21/08 11:15 AM : TEMPORARY SIGNS POSTED



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMSAST0004
Discharge Report

Initiated May 01, 2008 12:00 AM thru May 31, 2008 11:59 PM

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

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region					
KY0022420 (Cont'd)	MSD0202	HITE CREEK	HITE CREEK	EAST					
<u>Activity Code / Description</u>	<u>WD #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>
DISREV RAIN EVENT DISCHARGE	782101	05/15/08 05:00 PM	MARKS JR	HOWARD	DOCUMENTED	05/30/08	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE LS	05/16/08 01:00 AM

Spot Inspections:

Discharge Amount:	1,500 GAL
Cause:	RAIN EVENT CAUSED LACK OF SYSTEM CAPACITY
Clear Up:	PIPE DISCHARGE SUBMERGED NO CLEANUP
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	HAULING TO PREVENT FURTHER DISCHARGE WORK ORDER # 780100

Notifications:

05/15/08 12:58 PM	Supplemental Email notification of unauthorized discharge has been sent to Ireland.sean@epa.gov, eppc.e-1@ky.gov and LisaA.Jeffries@ky.gov
05/15/08 12:58 PM	Email notification of unauthorized discharge sent to Ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/02/08 10:31 AM	TEMPORARY SIGNS POSTED

11.0021

Jun. 24. 2008 9:41 AM



MSD

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

May 20, 2008

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

Re: Bypass Report for the Hite Creek WTP – KPDES Permit KY0022420

Dear Mr. Roth:

This plant experienced a bypass event starting at 03:00 AM on May 16, 2008 and stopping at 03:10 AM on May 16, 2008. This was reported through our electronic notification system at approximately 1:00 PM on May 16, 2008, referencing Work Order 780191 as a Rain Event Discharge. This letter serves as a written report of the bypass as required by 401 KAR 5:065.

Due to an area rain event, excessive flow hydraulically overloaded the clarifier at Hite Creek. We estimate that 120,000 gallons was bypassed to the stream. This water did receive sand filter treatment and was UV disinfected before entering the stream.

Please advise if you have any questions concerning this information. You can contact me at my office (502) 241-9093 or cell phone (502) 648-5984.

Sincerely,

John Kessel
East Region Supervisor

cc: D. Guthrie R. Shaw/File B. Bingham Angela Akridge
D. Thomasson M. Jenkins D. Talley



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com