

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

October 27, 2008

Ms. Vickie L. Prather Kentucky Division of Water 14 Reilly Road Frankfort, Kentucky 40601

RE: Hite Creek Wastewater Treatment Plant, KPDES No: KY0022420

Discharge Monitoring Report for September 2008.

Dear Ms. Prather

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

Also included are the 3<sup>rd</sup> quarter Bio results, and two 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.0908

**Enclosures** 

cc:

C. Roth(DOW Louisville)

T. Singleton

P. Burgin

R. Shaw



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

MONITORING PERIOD

TO

DAY

Form Approved. OMB No. 2040-0004

MSD WITE CREEK STA ADDRESS C/O CEDAR CREEK STP

ATTN DENNIS THUMASSON OR METRO OPS

HAOS CEDAR CREEK PD LOUISVILLE

MY 40Z11

FACILITY MSC HITE CREEK STE -OCATION\_ OUTSVILLE

KY 40201

KYOOZZ4ZO PERMIT NUMBER

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YEAR

FROM

001 2 DISCHARGE NUMBER

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YEAR MO

(SUBR LV) F - FINAL

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MUNICIPAL WASTEWATER

EFFLUENT

MAJOR

\*\*\* NO DISCHARGE I

NOTE: Read Instructions before completing this form.

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SUSPENDED	SAMPLE MEASUREMENT	44	49	( 26)	安全教徒的教	2.0	2.0	( 10)	0	3/7	Co-10
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including the possibility of fine and imprisonment for knowing violations. COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

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YEAR

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DAY

NUMBER

**TYPED OR PRINTED** 

OFFICER OR AUTHORIZED AGENT

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

MISH HITE CREEK STP

ADDRESS C/O CEDAR CREEK STP

8405 CEDAR CREEK RD

LOUISVILLE FACILITY MED HITE CREEK SIF KY 40211

.OCATION\_DUIEVILLE ATIN: DENNIS THOMASSON, SR METRO OPS

KY 40201

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

**MONITORING PERIOD** 

TO

DAY

KA0055450 PERMIT NUMBER

MO.

YEAR

**FROM** 

001 2 DISCHARGE NUMBER

YEAR MO.

DAY.

MAJOR

(SUBR LV) F - FINAL

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Form Approved. OMB No. 2040-0004

MUMICIPAL WASTEWATER EFFLUENT

\*\*\* NO DISCHARGE 1\_

NOTE: Read Instructions before completing this form.

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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here) JOE ME AND FOR BOOTTOS REMV; REPT IN MINIMUM CORUMN.

OF

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

THE HITE CREEK STP

DDRESS C/O CEDAR CREEK STF

0405 CEDAR CREEK RD

ITTN: DENGIS THOMASSON. ER METRO OPE

LOUISVILLE ACILITY MED HITE CREEK STR MY 40211

OCATION OUTSVILLE

MA 40501

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

**MONITORING PERIOD** 

TO

YEAR

DAY

MY0022420 **PERMIT NUMBER** 

MO

YEAR

FROM

OOI R DISCHARGE NUMBER

DAY

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MAJOR

(SUBA LV)

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Form Approved.

OMB No. 2040-0004

REASONABLE POTENTIAL

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NOTE: Read Instructions before completing this form.

PARAMETER		QUANTITY OR LOADING				QUALITY OR CONCENTRATION					SAMPLE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	EX	ANALYSIS	TYPE
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COMMENTS AND EXPLANATION OF	ANY VIOLATIONS	(Reference all atta	chments here)		I		IC	ODE		1	-~!

OF

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

NSO HITE TREEK STE

DDRESS C/O CEDAR CREEK STP

MADE CEDAR CREEK RD

LOUISVILLE

MY 40211

ACILITY MESO HITE CREEK STR OCATION LOUISVILLE

KY 40201

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

**MONITORING PERIOD** 

TO

DAY

KY0022420 **PERMIT NUMBER** 

MQ.

YEAR

FROM

DISCHARGE NUMBER

YEAR MO.

DAY

Form Approved. OMB No. 2040-0004

MAJOR (SUER LV) F - FINAL

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\*\*\* NO DISCHARGE I TO BEE

TTTN: DENNIG THOMASS	ioni. Se mi	etro ore	FROW 1	LL	10		NOTE: Read Instruc	ctions befor	e com	pleting this	form.
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COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

NAME OF TREATMENT PLANT HITE CREEK WTP COUNTY JEFFERSON MONTH OF: September 2008 KPDES PERMIT NUMBER KY0022420 PLANT CAPACITY 4.4 MGD RECEIVING STREAM HITE CREEK RAW SETTLEABLE DISSOLVED SUSPENDED ACTIVATED 5 DAY CBOD (mg/L) SEWAGE SOLIDS (mg/L) OXYGEN (mg/L) SOLIDS (mg/L) SLUDGE AERATION BASIN SLUDGE HANDLING FINAL TOTAL FLOW (MILLION GALLONS GRIT REMOVED (CUBIC FEET) SCREENINGS (CUBIC FEET) FINAL EFFLUENT EFFLUENT EFFLUENT STREAM ABOVE FINAL EFFLUENT WAST DISSOLVED OXYGEN (mg/L) SLUDGE mg/L Cadmium, Total Recoverable Hardness as CaCO3 RETURN RAW (mg/L) VOLUME Chromium,
Hexavalent
Cyanide, Free
(Amenable)
Mercury, Total
Recoverable NH3-N (mg/L) PRIMARY EFFLUENT DRY SOLIDS STREAM GAL/DAY X 1000 MLSS x1000 MLVSS X 1000 FINAL FINAL 30 MIN. RAW RAW RAW DRY ( 2.14 7.3 15.0 0.0 205 214 1.95 7.32 65.7 4.7 3.75 200 0.5 100 0.306 0.2 217 0.01 0.005 69.3 2 2.38 36 36 8.4 7.7 15.0 0.0 7.0 259 272 2 1.96 6.95 65.7 3.6 3.55 200 100.8 0.39 3 0.305 3 2.73 7.4 7.8 10.0 0.0 7.1 147 148 1.78 5.9 72.3 3.9 3.15 170 75.6 0.45 3 4 7.3 7.8 2.6 16.0 0.0 7.0 2.28 8.52 65.7 3.2 3.815 2.775 200 0.65 66 31.5 5 2.49 36 36 7.4 13.0 0.0 2.06 7.38 78.8 4.1 3.72 200 63 6 2.26 7.4 10.0 0.0 2.28 8.25 65.7 3.4 3.565 200 88.2 7 7.5 2.47 13.0 0.0 189 202 1.79 6.36 65.7 4.2 3.57 220 0.39 8 2.52 8.2 7.9 12.0 0.0 7.1 226 172 2.18 6.78 65.7 3.2 3.62 2.605 200 1.75 66 107.1 0.055 3 0.31 9 2.88 36 36 7.3 7.9 10.0 0.0 7.0 201 152 3 2.26 7.22 65.7 3.2 3.355 200 0.45 15 63 10 2.61 7.4 7.9 17.0 72 0.0 8.53 2.16 65.7 4.2 3.975 230 94.5 11 7.4 2.66 10.0 0.0 2.16 9.98 65.7 4.8 3.815 200 75.6 12 2.94 36 36 7.4 10.0 0.0 1.38 11.7 65.7 3.3 3.775 200 69.3 13 2.69 7.4 10.0 0.0 1.95 8.92 65.7 3.9 4.075 220 63 8.0 14 2.42 171 135 2.11 10.75 65.7 4 3.915 210 0.67 15 2.56 0.0 317 3 241 2.02 75.6 0.055 3 0.123 16 2 36 36 7.3 7.7 16.0 0.0 10.3 225 2 198 2.05 6.33 98.6 6.3 3.935 250 75.6 0.055 17 2.17 8.1 7.9 16.0 0.0 11.0 1.77 11.38 78.8 5.9 3.875 250 75.6 18 2.27 7.4 8.1 15.0 0.0 8.6 2.07 10 92 5.5 4.07 250 94.5 19 2.01 36 36 7.3 24.0 0.0 2.03 10.08 85.4 4.9 3.94 2.82 240 94.5 20 2.13 8.3 15.0 0.0 5.3 3.95 2.08 9.97 65.7 200 81.9 21 2.55 7.3 15.0 0.0 1.79 4.76 65.7 5.2 4.22 250 22 2.61 7.3 7.7 7.2 198 2 141 2.03 9.16 3.8 4.345 3.16 98.6 250 0.5 67 88.2 0.055 23 2.44 36 36 7.8 7.9 10.0 0.0 7.3 156 2 168 2.04 11.92 98.6 3.6 4.265 250 69.3 0.45 87 24 2.32 7.3 7.8 15.0 0.0 7.0 204 2 227 3 2.13 7.58 3.9 4.15 98.6 250 126 0.055 0.163 25 2.3 7.3 15.0 0.0 2.17 9.28 105.1 5.2 3.855 230 119.7 26 1.96 36 36 7.1 15.0 0.0 2.29 7.58 85.4 4.8 3.68 200 126 27 2.21 7.2 17.0 0.0 2.15 8.26 65.7 3.7 3.63 190 44.1 28 2.3 7.3 15.0 0.0 2.22 9.32 65.7 3.3 4.35 210 29 2.5 7.6 10.0 0.0 1.99 5.57 92 2.6 3.755 200 113.4 30 2.76 36 36 7.4 13.0 0.0 2.11 8.62 65.7 4 4.005 200 56.7 31 72.88 Tot. 324 324 61.24 2142 36 36 2.429 7.5 7.8 13.8 7.8 208 2 189 3 2.041 8.427 75.9 4.197 3.851 2.84 216.2 0.967 66.33 82.38 0.30 7 0.24 0.20 ##### 0.01 RESIDENTIAL INDUSTRIAL WASTE POPULATION EQUIVALENT COMMERCIAL 22545 23137 20084 INDUSTRIAL FLOW CBOD TSS **OPERATOR** CERT, NO. TOTAL NUMBER OF SEWER CONNECTIONS

PLANT TELEPHONE

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

IMSAST0004
Discharge Report
Initiated Sep 01, 2008 12:00 AM thru Sep 30, 2008 11:59 PM

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

KPDES # KY0022420 Facility ID MSD0202

Treatment Plant Name HITE CREEK

Receiving Stream of Treatment Plant

HITE CREEK

Region EAST

Facility Type

SMH Sewer Manhole

Facility ID 40764 Facility Address

1831 WILLIAMSON CT

If Pump Station, Name of Pump Station:

Receiving Stream

Discharge to DITCH

Condition

Activity Code / Description DISDW: DRY WEATHER DISCHARGE <u>WO #</u> 823985

Initiated 09/17/08 08:15 PM Initiated By MARKS JR Assigned To LAMBDIN JR

Disch Status REPAIRED -ISSUE RESOLVED Event Date 09/17/08 POWER OUTAGE (LG&E)

<u>Result</u> DISCHARGE TO WATERS OF THE

US

Completed 09/17/08 08:30

PM

Spot Inspections:

Discharge Amount:	750 GAL
Cause:	STATION WENT DOWN DUE TO POWER OVERLOAD
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMP SIGNS POSTED
Impact:	SEWAGE OBSERVED SOLIDS DEBRIS AND PERSONAL HYGENINE PRODUCTS
Repair.	ELECTRICIAN RESTORED POWER

#### Notifications:

*****			
	09/18/08 03:24 AM	DISPUB	MSD advised customers of temp signs
		y 10 10 10 10 10 10 10 10 10 10 10 10 10	
	09/18/08 12:57 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

IMSAST0004 Discharge Report

Initiated Sep 01, 2008 12:00 AM thru Sep 30, 2008 11:59 PM

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

KPDES# KY0022420 (Cont'd) Facility ID MSD0202

**Treatment Plant Name** HITE CREEK

**Receiving Stream of Treatment Plant** HITE CREEK

Region **EAST** 

**Facility Type** 

SMH Sewer Manhole

Facility ID 40765

**Facility Address** 

1901 WILLIAMSON CT

If Pump Station, Name of Pump Station:

**Receiving Stream** CHENOWETH RUN Discharge to GROUND

Activity Code / Description DISDW: DRY WEATHER DISCHARGE

WO# 823488

Initiated 09/15/08 01:45 PM Initiated By RICHARDSON

Assigned To RICHARDSON Disch Status REPAIRED -

ISSUE RESOLVED

Event Date Problem 09/15/08

Result POWER OUTAGE DISCHARGE TO (LG&E)

US

Completed 09/15/08 03:00 PΜ

Condition

WATERS OF THE

Spot Inspections:

Discharge Amount:	200 GAL
Cause:	POWER OUTAGE PUMP STATION DOWN
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	MSD PERSONNEL POSTED SIGNS
Impact:	SEWER WATER DISCHARGING FROM THE MSD MANHOLE
Repair:	MSD OPERATION MADE THE REPAIRS AND FIXED THE PROBLEM

### Notifications:

***************************************		
09/15/08 01:45 PM	DISPUB	ADVISED CUSTOMER BY DOORCARDS AND TELEPHONE
09/16/08 04:40 PM	DISNOT	Original notification was not sent. Workorder was changed to WUS after it was added. Notification was sent manually to Lisa Jeffries,
		Sean Ireland, eppc.ert@ky.gov, Brian Bingham, Julia Muller.
	f	

IMSAST0004 **Discharge Report** Initiated Sep 01, 2008 12:00 AM thru Sep 30, 2008 11:59 PM

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

KPDES# KY0022420 (Cont'd) Facility ID MSD0202 **Treatment Plant Name** HITE CREEK

**Receiving Stream of Treatment Plant** HITE CREEK

Region **EAST** 

Facility Type SLS Sewer Lift Station

Facility ID MSD1082-PS

**Facility Address** 

7511 MEADOW STREAM CT

If Pump Station, Name of Pump Station: MEADOW STREAM

**Receiving Stream** FLOYDS FORK

Discharge to GROUND

Activity Code / Description DISDW: DRY WEATHER

WO #

Initiated 09/16/08 07:30 PM Initiated By MARKS JR

Assigned To

**Disch Status** 

Event Date <u>Problem</u> 01/03/05

POWER OUTAGE

Result DISCHARGE TO Completed 09/16/08 09:00 Condition

DISCHARGE

823779

KESSEL

DOCUMENTED

(LG&E)

WATERS OF THE US

PM

Spot Inspections:

Discharge Amount:	25 GAL	<b>*</b>
Cause:	MECHNICAL FAILURE OF GENERATOR	1
Clean Up:	MSD RAKED & LIMED THE AREA	-
Control Zone:	TEMP SIGNS POSTED	
Impact:	DEBRIS OBSERVED AND SEWAGE	***
Repair:	CALLED CONTRACTOR FOR REPAIRS	4

#### Notifications:

	1		
09/16/08 11:34 PM	DISPUB	temp signs posted	-
	***************************************		-
09/16/08 12:57 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov	
Committee of the second of the	4. · · · · · · · · · · · · · · · · · · ·		ŧ