

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

March 22, 2007

Mr. Michael Mudd Kentucky Division of Water 9116 Leesgate Rd. Louisville, Kentucky 40222

RE: West County Treatment Plant, KPDES No: KY0078956

Discharge Monitoring Report

February 2007

Dear Mr. Mudd:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) report for the West County Wastewater Treatment Plant, for the month of February 2007.

If you have any questions concerning the attached DMR's, please contact me at (502)540-6031.

Sincerely,

Kevin D. Ries

Process Supervisor, West Region

Kent D. Ries

KDR/West County 1206.doc





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

March 22, 2007

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

RE:

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Discharge Monitoring Report

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Enclosures

cc: P. Burgin

T. Singleton

R. Shaw



Form Approved. PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR) OMB No. 2040-0004 ROLAM NAME

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LOUISVILLE FACILITY MED NEET COUNTY STR

ATTN: ALEX E MOVAK, OPER MGR

LOCATION | THUTSYTLEE

NY 40211-2497

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MYUU/BY56 PERMIT NUMBER

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FROM

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YEAR MO DAY

(SUBER LV)

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PAUNICIPAL WASTEWATER

EFFLUENT

\*\*\* NO DISCHARGE ! ! \*\*\*

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location.	if Different)
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LOCATION : DUTING VILLE

ADDRESS C/O LOUISVILLE/JEFF CO MSD

RESERVED ALGONOUS PAWY

LOUISVILLE FACILITY MED MEST COUNTY STR

MY:40272

KY 40211-2497

KY0078954 PERMIT NUMBER

YEAR MO

**FROM** 

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

MONITORING PERIOD

TO

DAY

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MUNICIPAL WASTEWATER

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

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Form Approved. PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) OMB No. 2040-0004 DISCHARGE MONITORING REPORT (DMR) MAR WHER CHANTY STR MAJOR ADDRESS U/O LOUISVILLE/JEFF CO MSD (BUBP 1V) KY0078956 ABOR ALCOMOUTH PAWY F - FINAL 1877 F F PERMIT NUMBER DISCHARGE NUMBER LOUISVILLE KY 40211-2497 MUNICIPAL WASTEWATER MONITORING PERIOD FACILITY MODE WEST DOUBLEY STP **EFFLUENT** MO. DAY YEAR MO DAY LOCATION : THE TOWN IN A FE KY 40272 AND DISCHARGE | | \*\*\* FROM TO ATTML ALEX E MOVARY OPER MOR NOTE: Read Instructions before completing this form. NO. FREQUENCY PARAMETER **QUANTITY OR LOADING** QUALITY OR CONCENTRATION SAMPLE EX TYPE ANALYSIS **AVERAGE MAXIMUM** UNITS MINIMUM AVERAGE MAXIMUM UNITS B-DAY PERCENT 李子女亲格格 18 18 18 18 18 18 18 1 25 13 / SAMPLE Ch 1 REMOVAL MEASUREMENT 31010 E 6 0 42-45-45-45-45-45 强业技 the office of the state of 歪拐 --1.11 Combine the Secretary PERMIT PERCENT REMOVAL 英格拉勒 MO AVG CENT REQUIREMENT PHIMATE 一位证的研究器的程约 **经验证帐收益** 你任務衛動門 专业会会会会 5 m 3 SAMPLE PERCENT SEMENAL MEASUREMENT 安全的有价格 miati > a o Alle States Har Bearing 38-38-48 F F ... 10 (1 137 ALLOW OF MAN AND A PERSON OF THE PERMIT PERCENT REMOVAL 经验验验 MIN MIN CENT MUNTH REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT SAMPLE **MEASUREMENT** 

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

Exec. Director.

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

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

USE MO AVO FOR BOD/TSS REMV, REPT IN MINIMUM COLUMN.

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

MAD WEST COUNTY STP

ADDRESS C/O LOUISVILLE/JEFF CO MSD

4532 ALGONQUIN PRWY

LOWISVILLE

ATTN: ALEX E MOVAK: OFER MOR

KY 40211-2497

FACILITY HISS WEST COUNTY STR

LOCATION LOUISVILLE NY 40272 PERMIT NUMBER

MO DAY

KYUU/aybb

YEAR

FROM

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

MONITORING PERIOD

TO

DISCHARGE NUMBER

YEAR MO DAY

MAJOR (SUBR LV)

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Form Approved.

OMB No. 2040-0004

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### NO DISCHARGE | | ###

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Month of: February 2007 Jefferson Name of Sewage Treatment Plant: West County WTP County 30 MGD Receiving Stream: Ohio River KY0078956 KPDES Permit Number: Plant Capacity: Activated Total 5-day BOD Aeration Dia [ Final Setfleahie Dissolved Suspended Sludge Raw Return WAS Basin Sludge Solids (mL/L) Oxygen (mg/L) Solids (ma/L) Solids (ma/L) (ma/L) Sewage ----Sec.) (MG) Fecal Coliform Cot./100ml ਰੁੱ (mg/L) #18#2 VH3-N (mg/L) FKN (mg/L) b р ö Total Flow Dissolved ( (mg/L) #1 Dissolved (mg/L) #2 Chlorine F (mg/L) ALSS III MLSS ( 0.94 120.0 99 0.010 6.33 8 169 13 2.2 1,21 7.7 196 20.51 7.4 7.3 72 0.010 8 158 1.39 1.12 100.0 6.27 2 20.05 7.4 7.4 7.9 158 11 2.2 8 15 2.4 1.53 1.18 110.0 72 8.28 0.010 6.78 3 20.12 7.4 7.5 7.3 212 199 80 0.010 5.99 2.2 1.37 1.12 110.0 7.5 7.2 7.0 200 200 17 4 21.13 88 1.94 0,010 7.00 7.2 208 7 188 15 2.7 1.47 1.12 130.0 5 18.41 7.2 7.3 0.010 6.94 7.2 7.2 7.0 236 8 171 14 2.4 1.37 1.11 120.0 88 6 19.26 8 216 16 22 1.52 1.26 100.0 66 0.010 7.22 7 7.3 7.3 7.0 246 18.36 192 16 22 1.23 1.05 120.0 98 0.010 7.06 7.4 7.5 6.8 216 8 8 18.03 0.010 7 11 7.3 6.6 268 9 196 16 21 1.24 0.97 110.0 89 9 16.96 7.5 11 7.2 7.4 6.0 264 201 15 2.0 1.19 0.98 100.0 84 10.60 0.010 7.84 10 18.66 13 268 30 2.1 1.48 1.19 100.0 68 0.010 8 57 7.7 274 11 18.23 7.1 7.3 23 2.1 1.57 1.31 64 1 18 0.010 8.68 13 218 100,0 7.3 7.5 7.4 264 12 21.66 2.2 88 0.010 4,59 34 0,80 70.0 13 68.57 7.2 7.4 9.7 184 28 112 0.62 9.1 101 23 91 24 1,1 0.49 0.39 50.0 102 0.010 4.70 14 37.23 77 7 4 0.010 7.67 168 21 116 29 0.6 0.36 0.28 50.0 140 7.5 8.9 15 27.19 8.3 20 153 18 0.4 0.27 0.21 50.0 188 0.010 10.00 8.6 156 16 26.87 7.6 7.6 145 20 0.4 0.27 0.25 50.0 185 0.010 12.00 17 8.0 128 21 17 26,30 7.4 7.6 18 120 20 0.4 0.27 0.23 50,0 185 0.010 13.00 202 18 24.57 7.4 7.6 7.2 18 142 19 0.8 0.43 0.39 50.0 116 1.60 0,010 14.00 19 25.70 7.4 7.5 7.1 222 189 1.8 0.72 0.61 70.0 97 19.30 0.010 14.00 18 22 20 24.89 7.3 7.5 7.5 252 2.5 1.02 0.87 88 0.010 15.10 21 24.97 7.9 12 202 30 90.0 7.3 7.5 250 1.05 86 0.010 14.50 19 29 2.7 0.84 90,0 22 24.90 7.4 7.5 8.0 336 288 81 0,010 14.60 2.9 1.35 1.16 110.0 23 21.49 7.3 7.4 7.9 226 13 199 23 0.010 12.20 100.0 67 9.21 24 32,20 7.4 7.6 8.6 212 21 179 25 3,1 1.49 1.18 7.4 7.4 8.7 104 18 80 18 2.4 0.86 0.67 70.0 81 0.010 6.10 25 40.81 11 25 2.3 0.63 0.48 80.0 127 1.06 0.010 7.22 7.3 7.4 8.9 113 98 26 36.33 0.62 0.52 60.0 0.010 9.24 8.7 282 12 223 19 2.2 98 27 31.16 7.4 7.5 89 0.010 9.86 7.3 8.5 212 13 182 19 2.9 0.90 0.71 80.0 28 27.79 7.4 0.0 0.00 0.00 0.00 29 0.0 0.00 0.00 30 0.00 0.0 0.00 0.00 31 0.00 0.0 0.0 732.4 Total 1.8 87.14 1.45 11.85 0.010 7.8 210 14 175 21 0.91 0.73 7.4 7.4 23.62 Avg. Ibn Green Industrial Waste Population Equivalent Operator Total Number of Sewer Connections: Residential Connections: 16155 197361 Cert. # Commercial Connections: 224992 202614 BOD TSS Flow Industrial Connections: 502 540-6042 Phone # Sewer Connections X 4 =

## NAME OF SEWAGE TREATMENT PLANT WEST COUNTY WTP

Month of:

February 2007 26.16 MGD

Average Flow

Weather	
Data	

	Data			
<u> </u>		Data	1 ==	
Date	High	MO_	ainfa	Remarks
1	工	<u>_</u>		Remarks
2			0	
3			0	
	ļ		0	
4				Called and ordered a load of hypo.
5				Reset heater in eff sampler.
6				Put #1 hypo pump on s/b and put #3 i/s.
7				Took phosphorus sample to mfwtp.
8			0	
9				Called waste manag. About grit lugger.
10			0	
11			0	
12			1	Waste manag on plant to pick up grit lugger.
13			1	put #3 barscreen i/s along with #2 due to high flow.
14				took #3 barscreen o/s due to drop in flow.
15				Called and ordered a load of hypo.
16			0	hypo delivered.
17			0	
18			0.00	
19			0	electrician working on #2 RAS pump.
20			0.15	
21				Took phosphorus sample to mfwtp.
22				Started draining #3 clarifier due to low flow.
23			0	Contractors working on leak by #2 clarfier.
24				Put #3 and #6 clarifier i/s due to rain and high flow.
25				Flow still high, plant still set up for rain.
26				took #3 barscreen and #3 & 6 clarifiers o/s due to drop in flow.
27				Started draining #3 clarifier due to low flow.
28			0	Valved in 3A and 4B pumps and put them in auto.
29				
30				
31				
Total			2.15	
Avg.			0.08	•