



MSD

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

May 22, 2007

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 April 2007

Dear Ms. Thurman:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) report for the Hite Creek Wastewater Treatment Plant, for the month of April 2007.

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. 0407

Enclosures

cc: M. Mudd (DOW Louisville)
E. Brady
T. Singleton
P. Burgin
R. Shaw



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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME KY01 WHITE CREEK SWP
 ADDRESS C/O LOUISVILLE/JEFF CO NSD
 4532 ALGONQUIN PKWY
 LOUISVILLE KY 40211-2497
 FACILITY WSW WHITE CREEK SWP
 LOCATION LOUISVILLE KY 40201
 ATTN: ALEX E NOVAK, OPER MGR

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

KY0022420
 PERMIT NUMBER
 001 2
 DISCHARGE NUMBER

MAJOR (SUBR LV)
 F - FINAL
 MUNICIPAL WASTEWATER EFFLUENT
 *** NO DISCHARGE ***

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 07 | 05 | 01 | | 07 | 05 | 30 |

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 | | | |
| GENERAL EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | ***** | ***** | | ***** | 5 | 8 | (13) | 0 | 3/17 | Comp |
| | PERMIT REQUIREMENT | ***** | ***** | *** | ***** | 200 | 400 | 1 | | WEEK | |
| RAW SEW INFLUENT | SAMPLE MEASUREMENT | 5684 | 7643 | (26) | ***** | 186.09 | 245.33 | (19) | 0 | 3/17 | Comp |
| | PERMIT REQUIREMENT | REPORT NO AVG | REPORT MX WK AV | LBS/DY | ***** | REPORT NO AVG | REPORT MX WK AV | MG/L | | WEEK | |
| EFFLUENT GROSS VALUE | SAMPLE MEASUREMENT | 97 | 158 | (26) | ***** | 3.0 | 3.67 | (19) | 0 | 3/17 | Comp |
| | PERMIT REQUIREMENT | 367 | 550 | | ***** | 10 | 15 | | | WEEK | |
| PERCENT REMOVAL | SAMPLE MEASUREMENT | ***** | ***** | | 90% | ***** | ***** | (25) | 0 | 1/30 | SI |
| | PERMIT REQUIREMENT | ***** | ***** | *** | ND AVG | ***** | ***** | PERCENT | | MONTH | |
| SOLIDS SUSPENDED | SAMPLE MEASUREMENT | ***** | ***** | | 96.7% | ***** | ***** | (25) | 0 | 1/30 | SI |
| | PERMIT REQUIREMENT | ***** | ***** | *** | ND MIN | ***** | ***** | PERCENT | | MONTH | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |
| | SAMPLE MEASUREMENT | | | | | | | | | | |
| | PERMIT REQUIREMENT | | | | | | | | | | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 H.S. Schindler
 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
 502 241-9093 07 05 22
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 USE MIN AVG FOR SOLIDS 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)
FINAL
MUNICIPAL WASTEWATER
EFFLUENT

NAME: WINDY CREEK STP
ADDRESS: 470 LOUISVILLE/JEFF CO MSB
40221 ALDENWAIN HWY.
LOUISVILLE KY 40211-2497
FACILITY: WINDY CREEK STP
LOCATION: LOUISVILLE KY 40201
OWNER: A. L. E. INDIAN, OPER MGR

KY0022420
PERMIT NUMBER

001 2
DISCHARGE NUMBER

| MONITORING PERIOD | | | | | | |
|-------------------|----|-----|----|------|----|-----|
| YEAR | MO | DAY | TO | YEAR | MO | DAY |
| 07 | 04 | 01 | | 07 | 04 | 30 |

*** NO DISCHARGE 1 ***

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 | | | |
| DO (mg/L) (50) | | ***** | ***** | | 7.8 | ***** | ***** | (19) | 0 | 3/7 | Grab |
| EFFLUENT GROSS VALUE | | ***** | ***** | **** | INST MIN | ***** | ***** | MG/L | | WEEK | |
| DO (mg/L) (50) | | ***** | ***** | | 7.4 | ***** | 8.7 | (12) | 0 | 3/7 | Grab |
| EFFLUENT GROSS VALUE | | ***** | ***** | **** | MINIMUM | ***** | MAXIMUM | BU | | WEEK | |
| TOTAL (LBS/DY) (26) | | 6818 | 8315 | | ***** | 204.17 | 265.67 | (19) | 0 | 3/7 | Comp |
| PERMIT REQUIREMENT | | REPORT | REPORT | LBS/DY | ***** | REPORT | REPORT | MG/L | | WEEK | |
| DO (mg/L) (50) | | ***** | ***** | | ***** | 5.35 | 7.33 | (17) | 0 | 3/7 | Comp |
| EFFLUENT GROSS VALUE | | ***** | ***** | **** | ***** | ***** | ***** | MG/L | | WEEK | |
| TOTAL (LBS/DY) (26) | | 526 | 584 | | ***** | 15.71 | 17.70 | (19) | 0 | 3/7 | Comp |
| PERMIT REQUIREMENT | | REPORT | REPORT | LBS/DY | ***** | REPORT | REPORT | MG/L | | WEEK | |
| DO (mg/L) (50) | | ***** | ***** | | ***** | 0.10 | 0.10 | (19) | 0 | 3/7 | Comp |
| EFFLUENT GROSS VALUE | | ***** | ***** | **** | ***** | ***** | ***** | MG/L | | WEEK | |
| THRU TREATMENT PLANT | | 4.187 | 7.930 | | ***** | ***** | ***** | | 0 | 4/1 | C/N |
| PERMIT REQUIREMENT | | REPORT | REPORT | MOD | ***** | ***** | ***** | **** | | WEEK | |

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
H.S. Scheraga
Exec Director
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: 502 241 9013
DATE: 07 05 22
AREA CODE: 502
NUMBER: 241 9013
YEAR: 07
MO: 05
DAY: 22

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
USE MG AVG FOR DOB/ISS REMV, REPT IN MINIMUM COLUMN.

NAME OF TREATMENT PLANT HITE CREEK WTP
 KPDES PERMIT NUMBER KY0022420

COUNTY JEFFERSON
 PLANT CAPACITY 4.4 MGD

MONTH OF: April 2007
 RECEIVING STREAM HITE CREEK

| DATE | TOTAL FLOW (MILLION GALLONS) | RAW SEWAGE | | pH | | SETTLABLE SOLIDS (mg/L) | | DISSOLVED OXYGEN (mg/L) | | | SUSPENDED SOLIDS (mg/L) | | | 5 DAY CBOD (mg/L) | | | ACTIVATED SLUDGE | | | AERATION BASIN | | | | | | SLUDGE HANDLING | | | | FINAL | | | |
|------|------------------------------|---------------------------|-------------------------|-----|-------|-------------------------|------------------|-------------------------|--------------|----------------|-------------------------|-----|------------------|-------------------|-----------|------------------|------------------|----------------|-------------|----------------|-------------------------|--------------------|---------------------|-----------------------|---------|-----------------|--------------|-------------------|--------------|--------------|---------------------------------|-------------------|--------------------------|
| | | GRIT REMOVED (CUBIC FEET) | SCREENINGS (CUBIC FEET) | RAW | FINAL | RAW | PRIMARY EFFLUENT | FINAL EFFLUENT | STREAM ABOVE | FINAL EFFLUENT | STREAM BELOW | RAW | PRIMARY EFFLUENT | FINAL EFFLUENT | RAW | PRIMARY EFFLUENT | FINAL EFFLUENT | GAL/DAY X 1000 | MLSS X 1000 | MLVSS X 1000 | DISSOLVED OXYGEN (mg/L) | MLSS (mg/L) X 1000 | MLVSS (mg/L) X 1000 | SETTLED SLUDGE VOLUME | | RAW | | HAULED | | NH3-N (mg/L) | FECAL COLIFORM (COLONIES/100ML) | | |
| | | | | | | | | | | | | | | | | | | | | | | | | 30 MIN. | 60 MIN. | GALLONS X 1000 | % DRY SOLIDS | % VOLATILE SOLIDS | % DRY SOLIDS | | | % VOLATILE SOLIDS | WITHDRAWN GALLONS X 1000 |
| 1 | 3.77 | | | 7.5 | | 14.0 | | 0.0 | | | | 207 | | 5 | scratched | scratched | 2030 | 15.7 | 32.9 | 4.2 | 6.435 | | 300 | | | | | | | | | 0.1 | 14 |
| 2 | 3.8 | | | 8.3 | 7.6 | 16.0 | | 0.0 | | | 8.3 | | 270 | | 5 | 218 | 3 | 2010 | 15.64 | | 1.9 | 5.755 | 4.01 | 270 | | | | | 1.84 | 67 | 25.2 | 0.1 | 3 |
| 3 | 5.28 | 36 | 36 | 7.4 | 7.7 | 10.0 | | 0.0 | | | 7.8 | | 238 | | 7 | 145 | 2 | 1910 | 17.74 | | 1.8 | 5.61 | | 270 | | | | | | 6.3 | 0.1 | 3 | |
| 4 | 5.46 | | | 7.4 | 7.7 | 8.0 | | 0.0 | | | 8.3 | | | | | | 2100 | 20.36 | | 3.1 | 4.485 | | 230 | | | | | | | | 12.6 | | |
| 5 | 4.62 | | | 7.4 | | 11.0 | | 0.0 | | | | | | | | | 1100 | 18.3 | 39.4 | 3.3 | 6.08 | | 300 | | | | | | | | 18.9 | | |
| 6 | 3.76 | 36 | 36 | 7.4 | | 12.0 | | 0.0 | | | | | | | | | 2920 | 13.7 | 32.9 | 3.3 | 6.835 | | 300 | | | | | | | | | | |
| 7 | 3.57 | | | 7.4 | | 13.0 | | 0.0 | | | | | | | | | 2450 | 15.88 | 32.9 | 5.9 | 7.105 | | 400 | | | | | | | | | | |
| 8 | 3.5 | | | 7.4 | | 14.0 | | 0.0 | | | | 214 | | 3 | 197 | 2 | 1880 | 15.77 | | 5.5 | 6.625 | | 350 | | | | | | | 12.6 | 0.1 | 50 | |
| 9 | 3.37 | | | 7.3 | | | | 0.0 | | | | 238 | | 3 | 146 | 2 | 1910 | 15.67 | | 3.8 | 6.06 | | 340 | | | | | | | 12.6 | 0.1 | 3 | |
| 10 | 3.46 | 36 | 36 | 8.4 | 7.6 | 18.0 | | 0.0 | | | 9.3 | | 148 | | 4 | 259 | 4 | 1790 | 18.72 | | 3.6 | 6.47 | | 320 | | | | | | 25.2 | 0.1 | 3 | |
| 11 | 4.86 | | | 8.2 | 7.6 | 15.0 | | 0.0 | | | 8.1 | | | | | | 1760 | 16.44 | 52.9 | 2.3 | 7.245 | | 380 | | | | | | | 44.1 | | | |
| 12 | 4.41 | | | 8.0 | 7.4 | 15.0 | | 0.0 | | | 11.5 | | | | | | 1420 | 18.7 | 72.3 | 5 | 6.16 | 4.08 | 300 | | | | | 1.67 | 64 | 63 | | | |
| 13 | 4.1 | 36 | 36 | 8.2 | | 11.0 | | 0.0 | | | | | | | | | 1210 | 18.24 | 52.6 | 4.7 | 6.48 | | 330 | | | | | | | 63 | | | |
| 14 | 7.93 | | | 7.1 | | 9.0 | | 0.0 | | | | | | | | | 880 | 18.29 | 39.4 | 2.3 | 5.395 | | 290 | | | | | | | 18.9 | | | |
| 15 | 5.73 | | | 7.5 | | 7.0 | | 0.0 | | | | 94 | | 9 | 101 | 4 | 1670 | 18.97 | 39.4 | 5.3 | 5.21 | | 270 | | | | | | | | 0.1 | 7 | |
| 16 | 5.03 | | | 7.5 | 7.6 | 8.0 | | 0.0 | | | 8.8 | | 100 | | 7 | 119 | 4 | 1650 | 20.76 | 55.9 | 3.7 | 5.05 | | 250 | | | | | | 63 | 0.1 | 3 | |
| 17 | 4.6 | 36 | 36 | 8.0 | 7.6 | 10.0 | | 0.0 | | | 8.3 | | 144 | | 6 | 126 | 3 | 1870 | 17.06 | 55.9 | 2.2 | 5.22 | | 250 | | | | | 69.3 | 0.1 | 3 | | |
| 18 | 4.29 | | | 8.4 | 7.7 | 10.0 | | 0.0 | | | 8.5 | | | | | | 1810 | 17.08 | 59.2 | 4.5 | 5.395 | 3.705 | 250 | | | | | 1.83 | 65 | 63 | | | |
| 19 | 3.98 | | | 7.4 | | 10.0 | | 0.0 | | | | | | | | | 1950 | 17.34 | 39.4 | 4.7 | 5.195 | | 240 | | | | | | | 63 | | | |
| 20 | 3.96 | 36 | 36 | 7.2 | | 9.0 | | 0.0 | | | | | | | | | 1870 | 16.1 | 46 | 6.4 | 5.465 | | 250 | | | | | | | 50.4 | | | |
| 21 | 3.62 | | | 7.5 | | 8.5 | | 0.0 | | | | | | | | | 1700 | 11.84 | 39.4 | 6.4 | 5.69 | | 290 | | | | | | | 25.2 | | | |
| 22 | 3.79 | | | 7.3 | | 10.0 | | 0.0 | | | | 257 | | 6 | 241 | 3 | 1520 | 11.74 | 39.4 | 6.2 | 6.005 | | 280 | | | | | | | | 0.1 | 3 | |
| 23 | 3.78 | | | 8.6 | 7.5 | 15.0 | | 0.0 | | | 8.8 | | 250 | | 5 | 202 | 3 | 1820 | 16.26 | 46 | 3.6 | 5.725 | | 250 | | | | | | 75.6 | 0.1 | 3 | |
| 24 | 3.66 | 36 | 36 | 8.7 | 7.5 | 10.0 | | 0.0 | | | 8.0 | | 290 | | 5 | 293 | 3 | 1810 | 14.98 | 19.7 | 3.1 | 5.795 | | 250 | | | | | 63 | 0.1 | 3 | | |
| 25 | 3.8 | | | 7.4 | 7.6 | 11.0 | | 0.0 | | | 7.9 | | | | | | 2070 | 17.42 | 42.7 | 3.5 | 6.025 | 3.905 | 260 | | | | | 1.73 | 60 | 56.7 | | | |
| 26 | 5.08 | | | 8.3 | | 9.0 | | 0.0 | | | | | | | | | 2160 | 17.98 | 52.6 | 5.7 | 6.975 | | 300 | | | | | | | 25.2 | | | |
| 27 | 4.22 | 36 | 36 | 7.5 | | 12.0 | | 0.0 | | | | | | | | | 2200 | 19.26 | 55.9 | 6.5 | 6.06 | | 260 | | | | | | | 50.4 | | | |
| 28 | 4.08 | | | 7.5 | | 11.0 | | 0.0 | | | | | | | | | 1780 | 15.32 | 72.3 | 6.7 | 7.155 | | 330 | | | | | | | | | | |
| 29 | 3.65 | | | 7.4 | | 12.0 | | 0.0 | | | | | | | | | 2150 | 18.84 | 78.8 | 6.5 | 7.895 | | 400 | | | | | | | 37.8 | | | |
| 30 | 3.66 | | | 7.6 | | 12.0 | | 0.0 | | | | | | | | | 2200 | 17.46 | 59.2 | 4.4 | 5.975 | | 260 | | | | | | | 113.4 | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tot. | 128.8 | 288 | 288 | | | | | | | | 8.6 | | 204 | | 5 | 186 | 3 | 55580 | 1853 | 16.79 | 48.21 | 4.337 | 6.053 | 3.925 | 292.3 | | | | 1.768 | 64 | 44.1 | 0.10 | 5 |
| Avg. | 4.294 | 36 | 36 | 7.7 | 7.6 | 11.4 | | | | | 8.6 | | 204 | | 5 | 186 | 3 | 1853 | 16.79 | 48.21 | 4.337 | 6.053 | 3.925 | 292.3 | | | | | 1.768 | 64 | 44.1 | 0.10 | 5 |

RESIDENTIAL
 COMMERCIAL
 INDUSTRIAL

INDUSTRIAL WASTE POPULATION EQUIVALENT
 40895 FLOW
 39202 CBOD
 34817 TSS

OPERATOR

CERT. NO.

earl dunn

7626

TOTAL NUMBER OF SEWER CONNECTIONS

SEWER CONNECTIONS 0 X 4 = 0 SEWERED POPULATION

PLANT TELEPHONE
 502-241-9310