



700 West Liberty Street | Louisville, KY 40203-1911
Phone: 502.540.6000 | LouisvilleMSD.org

November 13, 2025

Ms. Crystal Dennis
Kentucky Division of Water
300 Sower Blvd., 3rd Floor
Frankfort, Kentucky 40601

**Re: Derek Guthrie Water Quality Treatment Center KPDES Permit No. KY0078956,
Discharge monitoring report for October 2025.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) and the Monthly Operating Report (MOR) for the Derek Guthrie WQTC, KPDES No: KY0078956, for the month of October 2025.

There were no bypasses or exceedances to report.

Also attached are overflow reports.

If you have any questions concerning the attached DMR's, please contact me at (502)260-7395 or kevin.thompson@louisvillemsd.org.

Sincerely,

Kevin Thompson
Process Supervisor
KLT 10/25
Enclosures

cc: B. Tinnell
V. Graves
M. Saylor

| | | | | | Value NODI | | | | | | | | | | | | | | |
|-------|--|-------------------------|---|----|-------------|----|----------------|----|------------------|--------------|--------------------|------------------------|--|--|--|--|--|--|--|
| 00665 | Phosphorus, total [as P] | G - Raw Sewage Influent | 0 | -- | Sample | = | 6.4 | = | 10.4 | 19 - mg/L | 01/07 - Weekly | CP - Composite | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon MX WK AV | 19 - mg/L | 01/07 - Weekly | 24 - 24 Hour Composite | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross | 0 | -- | Sample | = | 52.213 | = | 70.767 | 03 - MGD | 01/01 - Daily | CN - Continuous | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon MX WK AV | 03 - MGD | 99/99 - Continuous | RC - Recorder (auto) | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 50050 | Flow, in conduit or thru treatment plant | G - Raw Sewage Influent | 0 | -- | Sample | = | 52.07 | = | 69.115 | 03 - MGD | 01/01 - Daily | CN - Continuous | | | | | | | |
| | | | | | Permit Req. | | Req Mon MO AVG | | Req Mon MX WK AV | 03 - MGD | 99/99 - Continuous | RF - Recorded Flow | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 50060 | Chlorine, total residual | 1 - Effluent Gross | 0 | -- | Sample | < | 0.016 | < | 0.016 | 19 - mg/L | 01/01 - Daily | GR - Grab | | | | | | | |
| | | | | | Permit Req. | <= | 0.019 MO AVG | <= | 0.019 MX WK AV | 19 - mg/L | 01/01 - Daily | GR - Grab | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 51040 | E. coli | 1 - Effluent Gross | 0 | -- | Sample | = | 5.0 | = | 7.0 | 13 - #/100mL | 01/01 - Daily | GR - Grab | | | | | | | |
| | | | | | Permit Req. | <= | 130.0 30DA GEO | <= | 240.0 7 DA GEO | 13 - #/100mL | 01/01 - Daily | GR - Grab | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 81010 | BOD, 5-day, percent removal | K - Percent Removal | 0 | -- | Sample | = | 95.0 | | | 23 - % | 01/01 - Daily | CA - Calculated | | | | | | | |
| | | | | | Permit Req. | >= | 85.0 MO AV MN | | | 23 - % | 01/30 - Monthly | CA - Calculated | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | |
| 81011 | Solids, suspended percent removal | K - Percent Removal | 0 | -- | Sample | = | 97.0 | | | 23 - % | 01/01 - Daily | CA - Calculated | | | | | | | |
| | | | | | Permit Req. | >= | 85.0 MO AV MN | | | 23 - % | 01/30 - Monthly | CA - Calculated | | | | | | | |
| | | | | | Value NODI | | | | | | | | | | | | | | |

Submission Note

If a parameter row does not contain any values for the Sample nor Effluent Trading, then none of the following fields will be submitted for that row: Units, Number of Excursions, Frequency of Analysis, and Sample Type.

Edit Check Errors

No errors.

Comments

Attachments

| Name | Type | Size |
|---------------------------------|------|----------|
| 202510_DRG_Dischargereports.pdf | pdf | 315599.0 |
| 202510_DRG_COVERLETTER.pdf | pdf | 38181.0 |
| 202510_DRG_MOR.pdf | pdf | 139167.0 |

Report Last Saved By

Derek R Guthrie WQTC MSD

User: kevin.thompson@louisvillemd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemd.org
 Date/Time: 2025-11-17 12:43 (Time Zone: -05:00)

Report Last Signed By

User: kevin.thompson@louisvillemd.org
 Name: Kevin Thompson
 E-Mail: kevin.thompson@louisvillemd.org
 Date/Time: 2025-11-17 12:43 (Time Zone: -05:00)



**IMSAST0004
Overflow Report**

10/1/2025 12:00:00 AM to 10/31/2025 12:00:00 AM

| KPDES # | Facility ID | Water Quality Treatment Center | Receiving Stream of Discharge | Region |
|-----------|-------------|--------------------------------|-------------------------------|-----------|
| KY0078956 | WQTC DG | DEREK R. GUTHRIE WQTC | OHIO RIVER | JEFFERSON |

| Facility Type | Facility ID | Facility Address | Receiving Stream | Discharge To |
|--------------------|-------------|------------------|------------------|--------------|
| Sewer Lift Station | SSPSDG-LAN1 | 9317 LANTANA DR | PENNSYLVANIA RUN | DITCH |

| Activity Code / Description | WO # | Ref # | Initiated on | Initiated By | Assigned To | Dish Status | Event Date | Problem Desc | Result | Completed | Condition |
|-----------------------------|---------|-------|-----------------------|--------------|-------------|-------------|-----------------------|-------------------------|-------------------------------|-------------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 4003313 | | 10/7/2025 11:23:00 AM | BROADEN | BROADEN | DOCUMENTED | 3/18/2013 12:00:00 AM | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE-WATERS | 10/10/25 07:29 AM | |

Discharge Reporting:

| | |
|----------------------|--|
| Discharge Amount: | 18,000 GAL |
| Cause: | LACK OF SYSTEM CAPACITY. |
| Clean Up: | NONE POSSIBLE DUE TO MAGNITUDE OF STORM. |
| Control Zone: | PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA. |
| Impact: | NO IMPACT OBSERVED. |
| Repair: | SITE FOUND DURING RAIN EVENT RECON. |
| Public Notification: | PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA. |

Notifications:

| | | |
|-----------------|--------|---|
| 10/7/25 1:00 PM | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV |
| 10/7/25 1:00 PM | DISSNO | WAITING TO COMPLETE THE DISCHARGE INFORMATION |



**IMSAST0004
Overflow Report**

10/1/2025 12:00:00 AM to 10/31/2025 12:00:00 AM

| KPDES # | Facility ID | Water Quality Treatment Center | Receiving Stream of Discharge | Region |
|-----------|-------------|--------------------------------|-------------------------------|-----------|
| KY0078956 | WQTC DG | DEREK R. GUTHRIE WQTC | OHIO RIVER | JEFFERSON |

| Facility Type | Facility ID | Facility Address | Receiving Stream | Discharge To |
|--------------------|-------------|--------------------|------------------|--------------|
| Sewer Lift Station | SSPSDG-CIND | 9114 CINDERELLA LN | FISHPOOL CREEK | DITCH |

| Activity Code / Description | WO # | Ref # | Initiated on | Initiated By | Assigned To | Dish Status | Event Date | Problem Desc | Result | Completed | Condition |
|-----------------------------|---------|-------|-----------------------|--------------|-------------|------------------------------|-----------------------|-------------------------|-------------------------------|-------------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 4003320 | | 10/7/2025 11:44:00 AM | BROADEN | BROADEN | BEYOND APPROVED DESIGN STORM | 10/7/2025 12:00:00 AM | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE-WATERS | 10/10/25 07:31 AM | |

Discharge Reporting:

| | |
|----------------------|--|
| Discharge Amount: | 6,000 GAL |
| Cause: | LACK OF SYSTEM CAPACITY. |
| Clean Up: | CLEANED AND SANITIZED THE IMPACTED AREA. |
| Control Zone: | PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA. |
| Impact: | NO IMPACT OBSERVED. |
| Repair: | NO REPAIRS REQUIRED. |
| Public Notification: | PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA. |

Notifications:

| | | |
|-----------------|--------|---|
| 10/7/25 1:00 PM | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV |
| 10/7/25 1:00 PM | DISSNO | WAITING TO COMPLETE THE DISCHARGE INFORMATION |



**IMSAST0004
Overflow Report**

10/1/2025 12:00:00 AM to 10/31/2025 12:00:00 AM

| KPDES # | Facility ID | Water Quality Treatment Center | Receiving Stream of Discharge | Region |
|-----------|-------------|--------------------------------|-------------------------------|-----------|
| KY0078956 | WQTC DG | DEREK R. GUTHRIE WQTC | OHIO RIVER | JEFFERSON |

| Facility Type | Facility ID | Facility Address | Receiving Stream | Discharge To |
|---------------|-------------|------------------|------------------|--------------|
| Sewer Manhole | 117174 | 8800 ADMIRAL DR | PENNSYLVANIA RUN | GROUND |

| Activity Code / Description | WO # | Ref # | Initiated on | Initiated By | Assigned To | Dish Status | Event Date | Problem Desc | Result | Completed | Condition |
|-----------------------------|---------|-------|----------------------|--------------|-------------|------------------------------|-----------------------|-------------------------|-------------------------------|-------------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 4003511 | | 10/7/2025 2:45:00 PM | HUBER IV | BRANGERS | BEYOND APPROVED DESIGN STORM | 10/7/2025 12:00:00 AM | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE-WATERS | 10/07/25 11:15 PM | |

Discharge Reporting:

| | |
|----------------------|--|
| Discharge Amount: | 76,500 GAL |
| Cause: | LACK OF SYSTEM CAPACITY. |
| Clean Up: | MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA. |
| Control Zone: | PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA. |
| Impact: | NO IMPACT OBSERVED – MAGNITUDE OF STORM FLUSHED SOLIDS AND DEBRIS FROM SITE. |
| Repair: | FOUND DURING RECON. |
| Public Notification: | PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA. |

Notifications:

| | | |
|-----------------|--------|---|
| 10/8/25 1:00 AM | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV |
|-----------------|--------|---|



**IMSAST0004
Overflow Report**

10/1/2025 12:00:00 AM to 10/31/2025 12:00:00 AM

| KPDES # | Facility ID | Water Quality Treatment Center | Receiving Stream of Discharge | Region |
|-----------|-------------|--------------------------------|-------------------------------|-----------|
| KY0078956 | WQTC DG | DEREK R. GUTHRIE WQTC | OHIO RIVER | JEFFERSON |

| Facility Type | Facility ID | Facility Address | Receiving Stream | Discharge To |
|---------------|-------------|------------------|------------------|--------------|
| Sewer Manhole | 17428 | 8301 SIESTA WAY | SOUTHERN DITCH | CATCH BASIN |

| Activity Code / Description | WO # | Ref # | Initiated on | Initiated By | Assigned To | Dish Status | Event Date | Problem Desc | Result | Completed | Condition |
|-----------------------------|---------|-------|----------------------|--------------|-------------|------------------------------|-----------------------|-------------------------|-------------------------------|-------------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 4003732 | | 10/7/2025 5:23:00 PM | JULISS | | BEYOND APPROVED DESIGN STORM | 10/7/2025 12:00:00 AM | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE-WATERS | 10/07/25 09:10 PM | MAIN |

Discharge Reporting:

| | |
|----------------------|---|
| Discharge Amount: | 25 GAL |
| Cause: | LACK OF SYSTEM CAPACITY. |
| Clean Up: | MSD PERSONNEL CLEANED THE IMPACTED AREA. |
| Control Zone: | MSD PERSONNEL ADVISED THE CUSTOMER TO AVOID CONTACT WITH SEWAGE. |
| Impact: | SANITARY DEBRIS ON AND AROUND MANHOLE AND CATCH BASIN. |
| Repair: | INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD. |
| Public Notification: | TEMPORARY SIGNS AND DOOR CARD. |

Notifications:

| | | |
|-----------------|--------|---|
| 10/8/25 1:00 AM | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV |
|-----------------|--------|---|



**IMSAST0004
Overflow Report**

10/1/2025 12:00:00 AM to 10/31/2025 12:00:00 AM

| KPDES # | Facility ID | Water Quality Treatment Center | Receiving Stream of Discharge | Region |
|-----------|-------------|--------------------------------|-------------------------------|-----------|
| KY0078956 | WQTCDG | DEREK R. GUTHRIE WQTC | OHIO RIVER | JEFFERSON |

| Facility Type | Facility ID | Facility Address | Receiving Stream | Discharge To |
|---------------|-------------|------------------|------------------|--------------|
| Sewer Manhole | 19401 | 7908 ANNELLA WAY | POND CREEK | GROUND |

| Activity Code / Description | WO # | Ref # | Initiated on | Initiated By | Assigned To | Dish Status | Event Date | Problem Desc | Result | Completed | Condition |
|-----------------------------|---------|-------|----------------------|--------------|-------------|------------------------------|-----------------------|-------------------------|-------------------------------|-------------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 4003742 | | 10/7/2025 4:40:00 PM | HENDRIX | HENDRIX | BEYOND APPROVED DESIGN STORM | 10/7/2025 12:00:00 AM | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE-WATERS | 10/09/25 04:40 PM | MAIN |

Discharge Reporting:

| | |
|----------------------|--|
| Discharge Amount: | 72,000 GAL |
| Cause: | LACK OF SYSTEM CAPACITY. |
| Clean Up: | WATER HAS NOT RECEDED - CUSTOMER ADVISED TO CONTACT CUSTOMER RELATIONS WHEN WATER RECEDES. |
| Control Zone: | PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA. |
| Impact: | SEWAGEWATER DISCHARGING FROM MANHOLE. |
| Repair: | INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD. |
| Public Notification: | ADVISED CUSTOMER BY TELEPHONE MESSAGE. |

Notifications:

| | | |
|-----------------|--------|---|
| 10/8/25 1:00 AM | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV |
| 10/8/25 1:00 AM | DISSNO | WAITING TO COMPLETE THE DISCHARGE INFORMATION |



**IMSAST0004
Overflow Report**

10/1/2025 12:00:00 AM to 10/31/2025 12:00:00 AM

| KPDES # | Facility ID | Water Quality Treatment Center | Receiving Stream of Discharge | Region |
|-----------|-------------|--------------------------------|-------------------------------|-----------|
| KY0078956 | WQTCDG | DEREK R. GUTHRIE WQTC | OHIO RIVER | JEFFERSON |

| Facility Type | Facility ID | Facility Address | Receiving Stream | Discharge To |
|---------------|-------------|------------------|------------------|--------------|
| Sewer Manhole | 61266 | 4005 KIRBY LN | FERN CREEK | DITCH |

| Activity Code / Description | WO # | Ref # | Initiated on | Initiated By | Assigned To | Dish Status | Event Date | Problem Desc | Result | Completed | Condition |
|-----------------------------|---------|-------|----------------------|--------------|-------------|---------------------------|-----------------------|----------------------------|-------------------------------|-------------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 4003649 | | 10/7/2025 3:32:00 PM | ROBERTSON | DERICK | REPAIRED - ISSUE RESOLVED | 10/7/2025 12:00:00 AM | ELECTRICAL PROBLEMS AT MSD | UNAUTHORIZED DISCHARGE-WATERS | 10/07/25 03:43 PM | |

Discharge Reporting:

| | |
|----------------------|---|
| Discharge Amount: | 2,300 GAL |
| Cause: | ELECTRICAL PROBLEM WITH MSD EQUIPMENT/ASSET, BLOWN FUSE. |
| Clean Up: | CLEANED AND SANITIZED THE IMPACTED AREA. |
| Control Zone: | PERMANENT SIGNS SUPPLEMENTED WITH TEMPORARY SIGNS. |
| Impact: | NO IMPACT OBSERVED. |
| Repair: | SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR. REPLACED FUSE. |
| Public Notification: | PERMANENT SIGNS SUPPLEMENTED WITH TEMPORARY SIGNS. |

Notifications:

| | | |
|-----------------|--------|---|
| 10/8/25 1:00 AM | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV |
|-----------------|--------|---|



**IMSAST0004
Overflow Report**

10/1/2025 12:00:00 AM to 10/31/2025 12:00:00 AM

| KPDES # | Facility ID | Water Quality Treatment Center | Receiving Stream of Discharge | Region |
|-----------|-------------|--------------------------------|-------------------------------|-----------|
| KY0078956 | WQTC DG | DEREK R. GUTHRIE WQTC | OHIO RIVER | JEFFERSON |

| Facility Type | Facility ID | Facility Address | Receiving Stream | Discharge To |
|---------------|-------------|------------------|------------------|--------------|
| Sewer Manhole | 84926 | 5007 LEA ANN WAY | NORTHERN DITCH | STREAM |

| Activity Code / Description | WO # | Ref # | Initiated on | Initiated By | Assigned To | Dish Status | Event Date | Problem Desc | Result | Completed | Condition |
|-----------------------------|---------|-------|-----------------------|--------------|-------------|------------------------------|-----------------------|-------------------------|-------------------------------|-------------------|-----------|
| DISREV:RAIN EVENT DISCHARGE | 4003367 | | 10/7/2025 12:50:00 PM | CATALANO JR | BRANGERS | BEYOND APPROVED DESIGN STORM | 10/7/2025 12:00:00 AM | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE-WATERS | 10/07/25 10:04 PM | |

Discharge Reporting:

| | |
|----------------------|--|
| Discharge Amount: | 910,800 GAL |
| Cause: | LACK OF SYSTEM CAPACITY - HEAVY RAIN. |
| Clean Up: | CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM. |
| Control Zone: | PERMANENT SIGNS SUPPLEMENTED WITH TEMPORARY SIGNS. |
| Impact: | NO IMPACT OBSERVED -- MAGNITUDE OF STORM FLUSHED SOLIDS AND DEBRIS FROM SITE. |
| Repair: | SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR. |
| Public Notification: | PERMANENT SIGNS SUPPLEMENTED WITH TEMPORARY SIGNS. |

Notifications:

| | | |
|-----------------|--------|---|
| 10/7/25 1:00 PM | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV |
| 10/7/25 1:00 PM | DISSNO | WAITING TO COMPLETE THE DISCHARGE INFORMATION |