



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

April 17<sup>th</sup>, 2025

Crystal Dennis  
300 Sower Blvd., 3rd Floor  
Frankfort, Kentucky 40601

**RE: Ohio River STP, KPDES No: KY0106143  
Discharge Monitoring Report for March 2025.**

Dear Ms. Dennis:

Attached are the Discharge Monitoring Report (DMR) for the Ohio River STP, for the month March 2025.

See attached Overflow report.

There were no bypasses or exceedances.

If you have any questions concerning the attached DMR's, please contact me at (502) 264-2804.

Sincerely,

A handwritten signature in black ink, appearing to read 'AS' followed by a long horizontal stroke.

Alex Smither  
Process Supervisor

CAS/OR 3/25.

Cc: V. Teague, B. Tinnel

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the [NPDES eReporting Help Desk](#) for further guidance. Please note that EPA may contact you after you submit this report for more information.

This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations 40 CFR 122.41(l)(4)(i). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 2 hours per outfall. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

Permit

Permit #:  
Major:

KY0106143  
Yes

Permittee:  
Permittee Address:

Louisville and Jefferson County MSD  
700 W Liberty St  
Louisville, KY 40203

Facility:  
Facility Location:

OHIO RIVER WWTP  
1901 LANDING RD  
GOSHEN, KY 40026

Permitted Feature:

001  
External Outfall

Discharge:

001-1  
Domestic Wastewater from a Publicly Owned Treatment Works

Report Dates & Status

Monitoring Period:

From 03/01/25 to 03/31/25

DMR Due Date:

04/28/25

Status:

NetDMR Validated

Considerations for Form Completion

Principal Executive Officer

First Name:  
Last Name:

Tony  
Parrott

Title:

Executive Director

Telephone:

502-540-6533

No Data Indicator (NODI)

Form NODI:

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| Parameter |                                | Monitoring Location     | Season # | Param. NODI |             | Quantity or Loading |              |             |                |           | Quality or Concentration |              |             |                |             |                  |           | # of Ex. | Frequency of Analysis | Sample Type            |
|-----------|--------------------------------|-------------------------|----------|-------------|-------------|---------------------|--------------|-------------|----------------|-----------|--------------------------|--------------|-------------|----------------|-------------|------------------|-----------|----------|-----------------------|------------------------|
| Code      | Name                           |                         |          |             |             | Qualifier 1         | Value 1      | Qualifier 2 | Value 2        | Units     | Qualifier 1              | Value 1      | Qualifier 2 | Value 2        | Qualifier 3 | Value 3          | Units     |          |                       |                        |
| 00300     | Oxygen, dissolved [DO]         | 1 - Effluent Gross      | 0        | --          | Sample      |                     |              |             |                |           | =                        | 8.0          |             |                |             |                  | 19 - mg/L | 0        | 01/07 - Weekly        | GR - Grab              |
|           |                                |                         |          |             | Permit Req. |                     |              |             |                |           | >=                       | 2.0 INST MIN |             |                |             |                  | 19 - mg/L |          |                       |                        |
|           |                                |                         |          |             | Value NODI  |                     |              |             |                |           |                          |              |             |                |             |                  |           |          |                       |                        |
| 00310     | BOD, 5-day, 20 deg. C          | 1 - Effluent Gross      | 0        | --          | Sample      | =                   | 31.0         | =           | 49.0           | 26 - lb/d |                          |              | =           | 6.0            | =           | 8.0              | 19 - mg/L | 0        | 01/07 - Weekly        | CP - Composite         |
|           |                                |                         |          |             | Permit Req. | <=                  | 375.0 MO AVG | <=          | 563.0 MX WK AV | 26 - lb/d |                          |              | <=          | 30.0 MO AVG    | <=          | 45.0 MX WK AV    | 19 - mg/L |          |                       |                        |
|           |                                |                         |          |             | Value NODI  |                     |              |             |                |           |                          |              |             |                |             |                  |           |          |                       |                        |
| 00310     | BOD, 5-day, 20 deg. C          | G - Raw Sewage Influent | 0        | --          | Sample      |                     |              |             |                |           |                          |              | =           | 308.0          | =           | 596.0            | 19 - mg/L | 0        | 01/07 - Weekly        | CP - Composite         |
|           |                                |                         |          |             | Permit Req. |                     |              |             |                |           |                          |              |             | Req Mon MO AVG |             | Req Mon MX WK AV | 19 - mg/L |          |                       |                        |
|           |                                |                         |          |             | Value NODI  |                     |              |             |                |           |                          |              |             |                |             |                  |           |          |                       |                        |
| 00400     | pH                             | 1 - Effluent Gross      | 0        | --          | Sample      |                     |              |             |                |           | =                        | 7.35         |             |                | =           | 7.77             | 12 - SU   | 0        | 01/07 - Weekly        | GR - Grab              |
|           |                                |                         |          |             | Permit Req. |                     |              |             |                |           | >=                       | 6.0 MINIMUM  |             |                | <=          | 9.0 MAXIMUM      | 12 - SU   |          |                       |                        |
|           |                                |                         |          |             | Value NODI  |                     |              |             |                |           |                          |              |             |                |             |                  |           |          |                       |                        |
| 00530     | Solids, total suspended        | 1 - Effluent Gross      | 0        | --          | Sample      | =                   | 20.0         | =           | 28.0           | 26 - lb/d |                          |              | =           | 4.0            | =           | 5.0              | 19 - mg/L | 0        | 01/07 - Weekly        | CP - Composite         |
|           |                                |                         |          |             | Permit Req. | <=                  | 375.0 MO AVG | <=          | 563.0 MX WK AV | 26 - lb/d |                          |              | <=          | 30.0 MO AVG    | <=          | 45.0 MX WK AV    | 19 - mg/L |          |                       |                        |
|           |                                |                         |          |             | Value NODI  |                     |              |             |                |           |                          |              |             |                |             |                  |           |          |                       |                        |
| 00530     | Solids, total suspended        | G - Raw Sewage Influent | 0        | --          | Sample      |                     |              |             |                |           |                          |              | =           | 450.0          | =           | 1110.0           | 19 - mg/L | 0        | 01/07 - Weekly        | CP - Composite         |
|           |                                |                         |          |             | Permit Req. |                     |              |             |                |           |                          |              |             | Req Mon MO AVG |             | Req Mon MX WK AV | 19 - mg/L |          |                       |                        |
|           |                                |                         |          |             | Value NODI  |                     |              |             |                |           |                          |              |             |                |             |                  |           |          |                       |                        |
| 00600     | Nitrogen, total [as N]         | 1 - Effluent Gross      | 0        | --          | Sample      |                     |              |             |                |           |                          |              | =           | 48.3           | =           | 58.3             | 19 - mg/L | 0        | 01/07 - Weekly        | CP - Composite         |
|           |                                |                         |          |             | Permit Req. |                     |              |             |                |           |                          |              |             | Req Mon MO AVG |             | Req Mon DAILY MX | 19 - mg/L |          |                       |                        |
|           |                                |                         |          |             | Value NODI  |                     |              |             |                |           |                          |              |             |                |             |                  |           |          |                       |                        |
| 00600     | Nitrogen, total [as N]         | G - Raw Sewage Influent | 0        | --          | Sample      |                     |              |             |                |           |                          |              | =           | 68.9           | =           | 95.5             | 19 - mg/L | 0        | 01/07 - Weekly        | CP - Composite         |
|           |                                |                         |          |             | Permit Req. |                     |              |             |                |           |                          |              |             | Req Mon MO AVG |             | Req Mon DAILY MX | 19 - mg/L |          |                       |                        |
|           |                                |                         |          |             | Value NODI  |                     |              |             |                |           |                          |              |             |                |             |                  |           |          |                       |                        |
| 00610     | Nitrogen, ammonia total [as N] | 1 - Effluent Gross      | 0        | --          | Sample      |                     |              |             |                |           |                          |              | =           | 0.28           | =           | 0.44             | 19 - mg/L | 0        | 01/07 - Weekly        | 24 - 24 Hour Composite |
|           |                                |                         |          |             | Permit Req. |                     |              |             |                |           |                          |              | <=          | 20.0 MO AVG    | <=          | 30.0 DAILY MX    | 19 - mg/L |          |                       |                        |
|           |                                |                         |          |             | Value NODI  |                     |              |             |                |           |                          |              |             |                |             |                  |           |          |                       |                        |
| 00665     | Phosphorus, total [as P]       | 1 - Effluent Gross      | 0        | --          | Sample      |                     |              |             |                |           |                          |              | =           | 2.57           | =           | 3.18             | 19 - mg/L | 0        | 01/07 - Weekly        | CP - Composite         |
|           |                                |                         |          |             | Permit Req. |                     |              |             |                |           |                          |              |             | Req Mon MO AVG |             | Req Mon DAILY MX | 19 - mg/L |          |                       |                        |
|           |                                |                         |          |             |             |                     |              |             |                |           |                          |              |             |                |             |                  |           |          |                       |                        |

|       |  |                         |   |    |             |   |                |   |                  |          |  |  |  |    |                |    |                  |              |   |                    |                      |
|-------|--|-------------------------|---|----|-------------|---|----------------|---|------------------|----------|--|--|--|----|----------------|----|------------------|--------------|---|--------------------|----------------------|
|       |  |                         |   |    | Value NODI  |   |                |   |                  |          |  |  |  |    |                |    |                  |              |   |                    |                      |
| 00665 | Phosphorus, total [as P]                 | G - Raw Sewage Influent | 0 | -- | Sample      |   |                |   |                  |          |  |  |  | =  | 3.99           | =  | 6.0              | 19 - mg/L    | 0 | 01/07 - Weekly     | CP - Composite       |
|       |  |                         |   |    | Permit Req. |   |                |   |                  |          |  |  |  |    | Req Mon MO AVG |    | Req Mon DAILY MX | 19 - mg/L    |   |                    |                      |
|       |  |                         |   |    | Value NODI  |   |                |   |                  |          |  |  |  |    |                |    |                  |              |   |                    |                      |
| 50050 | Flow, in conduit or thru treatment plant | 1 - Effluent Gross      | 0 | -- | Sample      | = | 0.6692         | = | 1.6451           | 03 - MGD |  |  |  |    |                |    |                  |              | 0 | 99/99 - Continuous | RC - Recorder (auto) |
|       |  |                         |   |    | Permit Req. |   | Req Mon MO AVG |   | Req Mon DAILY MX | 03 - MGD |  |  |  |    |                |    |                  |              |   |                    |                      |
|       |  |                         |   |    | Value NODI  |   |                |   |                  |          |  |  |  |    |                |    |                  |              |   |                    |                      |
| 50050 | Flow, in conduit or thru treatment plant | G - Raw Sewage Influent | 0 | -- | Sample      | = | 0.7156         | = | 2.121            | 03 - MGD |  |  |  |    |                |    |                  |              | 0 | 01/07 - Weekly     | CA - Calculated      |
|       |  |                         |   |    | Permit Req. |   | Req Mon MO AVG |   | Req Mon DAILY MX | 03 - MGD |  |  |  |    |                |    |                  |              |   |                    |                      |
|       |  |                         |   |    | Value NODI  |   |                |   |                  |          |  |  |  |    |                |    |                  |              |   |                    |                      |
| 51040 | E. coli                                  | 1 - Effluent Gross      | 0 | -- | Sample      |   |                |   |                  |          |  |  |  | =  | 1.2            | =  | 2.0              | 13 - #/100mL | 0 | 01/07 - Weekly     | GR - Grab            |
|       |  |                         |   |    | Permit Req. |   |                |   |                  |          |  |  |  | <= | 130.0 30DA GEO | <= | 240.0 7 DA GEO   | 13 - #/100mL |   |                    |                      |
|       |  |                         |   |    | Value NODI  |   |                |   |                  |          |  |  |  |    |                |    |                  |              |   |                    |                      |
| 81010 | BOD, 5-day, percent removal              | K - Percent Removal     | 0 | -- | Sample      |   |                |   |                  |          |  |  |  | =  | 98.1           |    |                  | 23 - %       | 0 | 01/30 - Monthly    | CA - Calculated      |
|       |  |                         |   |    | Permit Req. |   |                |   |                  |          |  |  |  | >= | 85.0 MO AV MN  |    |                  | 23 - %       |   |                    |                      |
|       |  |                         |   |    | Value NODI  |   |                |   |                  |          |  |  |  |    |                |    |                  |              |   |                    |                      |
| 81011 | Solids, suspended percent removal        | K - Percent Removal     | 0 | -- | Sample      |   |                |   |                  |          |  |  |  | =  | 99.2           |    |                  | 23 - %       | 0 | 01/30 - Monthly    | CA - Calculated      |
|       |  |                         |   |    | Permit Req. |   |                |   |                  |          |  |  |  | >= | 85.0 MO AV MN  |    |                  | 23 - %       |   |                    |                      |
|       |  |                         |   |    | 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     |
|-------------------------------------|------|----------|
| OHIO_RIVER_OVERFLOW_REPORT_3_25.pdf | pdf  | 112917.0 |
| OHIO_RIVER_COVER_3_25.pdf           | pdf  | 37375.0  |

Report Last Saved By

Louisville and Jefferson County MSD

User:

ALEX.SMITHER@LOUISVILLEMSD.ORG

Name:

Charles Smither

E-Mail:

alex.smither@louisvillemSD.org

Date/Time:

2025-04-17 10:55 (Time Zone: -04:00)

Report Last Signed By

User:

ALEX.SMITHER@LOUISVILLEMSD.ORG

Name:

Charles Smither

E-Mail:

alex.smither@louisvillemSD.org

Date/Time:

2025-04-17 10:55 (Time Zone: -04:00)



**IMSAST0004  
Overflow Report**

**3/1/2025 12:00:00 AM to 3/31/2025 12:00:00 AM**

| KPDES #                           | Facility ID | Water Quality Treatment Center |                         |                                  | Receiving Stream of Discharge |                                      | Region                   |                            |                                      |                      |           |
|-----------------------------------|-------------|--------------------------------|-------------------------|----------------------------------|-------------------------------|--------------------------------------|--------------------------|----------------------------|--------------------------------------|----------------------|-----------|
| KY0106143                         | MSD0407     | OHIO RIVER                     |                         |                                  | OHIO RIVER                    |                                      | NA                       |                            |                                      |                      |           |
| Facility Type                     | Facility ID | Facility Address               |                         | If Pump Station, Name of Station |                               |                                      | Receiving Stream         |                            | Discharge To                         |                      |           |
| Sewer Lift Station                | SSPSOR-CBRD | 13301                          | STHY 329                | OHIO RIVER                       |                               |                                      | HARRODS CREEK            |                            | GROUND                               |                      |           |
| Activity Code / Description       | WO #        | Ref #                          | Initiated on            | Initiated By                     | Assigned To                   | Dish Status                          | Event Date               | Problem Desc               | Result                               | Completed            | Condition |
| DISREV:RAIN<br>EVENT<br>DISCHARGE | 3908703     |                                | 3/16/2025<br>3:11:00 PM | MILES                            | MILES                         | QUEUED FOR<br>INVESTIGATION / REPAIR | 3/24/2023<br>12:00:00 AM | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE-<br>WATERS | 03/16/25<br>03:18 PM |           |

**Discharge Reporting:**

|                      |  |
|----------------------|--|
| Discharge Amount:    | 7,075 GAL  |
| Cause:               | LACK OF SYSTEM CAPACITY.   |
| Clean Up:            | CLEANUP NOT POSSIBLE DUE TO MAGNITUDE OF STORM.                                  |
| Control Zone:        | PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.                                 |
| Impact:              | SEWAGE FOUND ON THE GROUND.  |
| Repair:              | SITE FOUND DURING RAIN EVENT RECON - WILL BE MONITORED AND EVALUATED FOR REPAIR. |
| Public Notification: | PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA.                                 |

**Notifications:**

|                 |        |  |
|-----------------|--------|--|
| 3/17/25 1:00 AM | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO:DISCHARGENOTICES@LOUISVILLEMSD.ORG,<br>SAYRE.DENNIS@EPAMAIL.EPA.GOV |
|-----------------|--------|--|



**IMSAST0004  
Overflow Report**

**3/1/2025 12:00:00 AM to 3/31/2025 12:00:00 AM**

| KPDES #                      | Facility ID | Water Quality Treatment Center |                      |                                  | Receiving Stream of Discharge |                           | Region                |                    |                                |                   |           |
|------------------------------|-------------|--------------------------------|----------------------|----------------------------------|-------------------------------|---------------------------|-----------------------|--------------------|--------------------------------|-------------------|-----------|
| KY0106143                    | MSD0407     | OHIO RIVER                     |                      |                                  | OHIO RIVER                    |                           | NA                    |                    |                                |                   |           |
| Facility Type                | Facility ID | Facility Address               |                      | If Pump Station, Name of Station |                               |                           | Receiving Stream      |                    | Discharge To                   |                   |           |
| Sewer Main                   | 123193-V    | 12905                          | WOODSIDE DR          | OHIO RIVER                       |                               |                           | POND CREEK            |                    | DITCH                          |                   |           |
| Activity Code / Description  | WO #        | Ref #                          | Initiated on         | Initiated By                     | Assigned To                   | Dish Status               | Event Date            | Problem Desc       | Result                         | Completed         | Condition |
| DISDW: DRY WEATHER DISCHARGE | 3920192     |                                | 3/24/2025 7:15:00 PM | PARKER                           | PARKER                        | REPAIRED - ISSUE RESOLVED | 3/24/2025 12:00:00 AM | STRUCTURAL FAILURE | UNAUTHORIZED DISCHARGE- WATERS | 03/26/25 08:17 AM |           |

**Discharge Reporting:**

|                      |   |
|----------------------|---|
| Discharge Amount:    | 3,850 GAL   |
| Cause:               | STRUCTURAL FAILURE FORCE MAIN BREAK.  |
| Clean Up:            | MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA.                     |
| Control Zone:        | PLACED BARRICADES AND CAUTION TAPE AROUND THE IMPACTED AREA.                |
| Impact:              | SEWAGE FOUND ON THE GROUND.   |
| Repair:              | CONTACTED CONTRACTORS TO MAKE REPAIRS AND HAUL STATION.                     |
| Public Notification: | ADVISED ALL POSSIBLE IMPACTED PROPERTIES IN THE SURROUNDING AREA IN PERSON. |

**Notifications:**

|                 |        |  |
|-----------------|--------|--|
| 3/25/25 1:00 AM | DISNOT | EMAIL NOTIFICATION OF UNAUTHORIZED DISCHARGE SENT TO: DISCHARGENOTICES@LOUISVILLEMSD.ORG, SAYRE.DENNIS@EPAMAIL.EPA.GOV |
| 3/25/25 1:00 AM | DISSNO | WAITING TO COMPLETE THE DISCHARGE INFORMATION  |