

MAYOR JIM GRAY



LEXINGTON

CHARLES H. MARTIN, P.E.
DIRECTOR
WATER QUALITY

July 27, 2017

Chief, Environmental Enforcement Section
Environment and Natural Resources Division
U.S. Department of Justice
Box 7611 Ben Franklin Station
Washington, D.C. 20044-7611
Re: DOJ No. 90-5-1-1-08858

Chief
Water Programs Enforcement Branch
Environmental Protection Agency Region 4
61 Forsyth Street SW
Atlanta, Georgia 30303

RE: Civil Action No. 5:06-cv-386
Lexington-Fayette Urban County Government – Kentucky
KPDES Permit Nos.: KY0021491 / KY0021504 / KYS000002
Quarterly Report (April – June 2017)

Dear Sir / Madam:

In accordance with the provisions of Section X, Paragraph 29.A of the above referenced document, the Lexington-Fayette Urban County Government (LFUCG) submits the enclosed April – June 2017 Quarterly Report to provide an update on Consent Decree projects and activities during the past quarter.

If you should have any questions, please contact me at (859) 425-2400.

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.





Signed

7-27-17

Date

Charles H. Martin, P.E., Director
Division of Water Quality

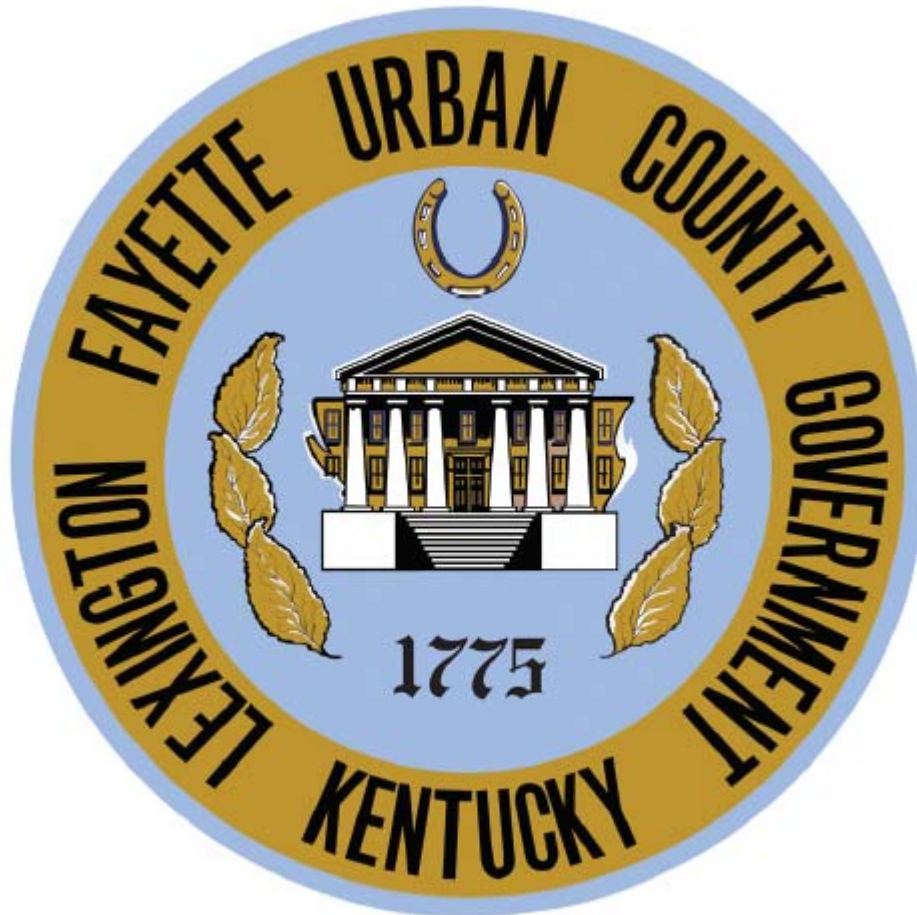
Enclosure: 2 copies to Water Programs Enforcement Branch; 1 copy to all other addresses

pc: Director of the Division of Enforcement
Department for Environmental Protection
300 Sower Boulevard
Frankfort, KY 40601

Janet Graham, LFUCG Commissioner of Law
Dowell Hoskins-Squier, P.E., LFUCG Commissioner of Environmental Quality and Public
Works



Consent Decree Quarterly Report



April – June 2017 Quarterly Report
Second Quarter 2017

July 27, 2017

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July 27, 2017***

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Section I
CD Quarterly Report
Second Quarter 2017
July 27, 2017

CD Language:

X. REPORTING REQUIREMENTS AND APPROVAL OF SUBMITTALS

29. Reports.

A. Quarterly Reports.

(i) A description of all projects and activities conducted during the most recently completed calendar quarter to comply with the requirements of this Consent Decree, in Gantt chart or similar format.

LFUCG's Response:

The following two tables provide information on projects and activities conducted during the previous calendar quarter related to the sanitary sewer system. Table 1.1 highlights activities related to the Remedial Measures Plans and the Capacity, Management, Operation and Maintenance Programs; and Table 1.2 shows the schedules for the Remedial Measures Plans projects, including interim milestones and progress to date. Based on guidance provided in a letter from EPA and KDEP to LFUCG dated February 12, 2014, LFUCG may adjust the completion years for the interim milestones. If any interim milestone dates have changed since the previously submitted quarterly report, they are highlighted yellow in Table 1.2.

Following Tables 1.1 and 1.2, Lexington is providing two tables that show the Recurring SSOs from Appendix A of the Consent Decree which have now been abated or relocated. An "Abated SSO" is a Recurring SSO from a manhole or pump station, as set forth in Appendix A of the Consent Decree, which has been "abated" by a repair or construction project and will not overflow during a rain event equal to or less than the design storm. A "Relocated SSO" is a Recurring SSO from a manhole, as set forth in Appendix A of the Consent Decree, which has been either removed from service or no longer overflows due to an adjacent construction project; however, this manhole's SSO has not been "abated" because the SSO was "relocated" to a new manhole or different existing manhole. The new SSO manhole to which the SSO was "relocated" will ultimately be "abated" by a future construction project. The list from Appendix A of the Consent Decree showed 111 Recurring SSO Locations. As of the second quarter of 2017, 48 of these locations have been abated and nine have been relocated. Table 1.3 shows the Recurring Manhole SSOs that have been abated or relocated, and Table 1.4 shows the Recurring Pump Station SSOs that have been abated.

Table 1.1
CD Quarterly Report
Second Quarter 2017

| <i>Consent Decree Section Number</i> | <i>Task</i> | <i>Work Completed – Second Quarter (April 1, 2017 – June 30, 2017)</i> | |
|--|--|--|---|
| Sanitary Sewer System and WWTP Remedial Measures Plan (RMP) | | | |
| VII(15)(G) | Group 1 – Sanitary Sewer System and WWTP RMP (EH, WH, WR) | The EPA and KDEP issued a full approval of the RMPs, including the Implementation Schedule dated February 12, 2016, on March 18, 2016. | |
| | Group 2 – Sanitary Sewer System and WWTP RMP (TB, CR) | | |
| | Group 3 – Sanitary Sewer System and WWTP RMP (NE, SE) | | |
| VII(15)(G)(viii) | Sanitary Sewer System and WWTP RMP Implementation – Project Status | Table 1.2 includes a list of the RMP projects organized by group and sewershed, and shows the completion dates for the project milestones and indicates the milestones which have been completed to date. | |
| | | <p>RMP Projects in design during the second quarter of 2017 include the following:</p> <ul style="list-style-type: none"> • CR-2 Expansion Area 3 Pump Station • CR-3 Expansion Area 3 Force Main • CR-4 Expansion Area 3 Trunk • CR-5 Shandon Park Trunks • CR-6 Winburn Trunk • CR-7 Thoroughbred Acres Trunk • EH-2 East Hickman Pump Station, Phase 1 • EH-3 East Hickman Wet Weather Storage Tank • EH-11 Eliminate East Lake Pump Station • TB-6 UK Trunk C • TB-7 UK Trunk D • TB-10 Midland Avenue Trunk, Phase 1 (TBC) • TB-11 WWTP-10 Primary Digesters • WH-1 WH7 Wet Weather Storage Tank • WH-5 Lansdowne South Trunk • WH-6 West Hickman Main Trunk D • WH-21 WWTP-13 Waste Sludge Holding • WH-21 WWTP-17 Scum Facility • WR-2 Wolf Run Main Trunk B • WR-3 Wolf Run Main Trunk C | <p>RMP Projects under construction during the second quarter of 2017 include the following:</p> <ul style="list-style-type: none"> • CR-1 Lower Cane Run Wet Weather Storage Tank • CR-9 Lower Griffin Gate Trunk • SE-1 South Elkhorn Pump Station Upsize • TB-11 WWTP-2 Primary Clarifier Equipment • WH-3 West Hickman Main Trunk B • WH-4 West Hickman Main Trunk C • WH-20 West Hickman WWTP Wet Weather Storage Tank • WH-21 WWTP-1 Influent Pump Station (with WH-20) • WH-21 WWTP-2 Raw Sewage Pump Station (with WH-20) • WH-21 WWTP-3 Leaping Weir (with WH-20) • WH-21 WWTP-6 Zone 2 Aeration, Phase 2 • WH-21 WWTP-7 Clarifier Flow Distribution • WH-21 WWTP-18 Non-potable Water System (with WH-20) • WH-21 WWTP-20 Odor Control Facilities, Phase 2 (with WH-20) <p>RMP Projects completed during the second quarter of 2017 include the following:</p> <ul style="list-style-type: none"> • TB-4 UK Trunk A |

Table 1.1
CD Quarterly Report
Second Quarter 2017



| Consent Decree Section Number | Task | Work Completed – Second Quarter (April 1, 2017 – June 30, 2017) |
|--|---|--|
| Capacity, Management, Operation and Maintenance (CMOM) Programs | | |
| VII(16) | CMOM Programs Self-Assessment | <p>The CMOM Programs Self-Assessment, dated June 2011, was approved by the EPA and Kentucky EEC on August 17, 2012, without further comment.</p> <ul style="list-style-type: none"> • Work completed or in progress during the second quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Continued implementation and tracking of CMOM Self-Assessment activities. |
| VII(16)(A) | Sewer Overflow Response Plan (SORP) | <p>The SORP, dated July 2011, was approved by the EPA and Kentucky EEC on August 17, 2012, without further comment.</p> <ul style="list-style-type: none"> • Work completed or in progress during the second quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Completed an internal audit to determine LFUCG’s effectiveness with implementing the SORP. ○ Continued implementation and tracking of SORP activities with an emphasis on root cause analysis protocols. |
| VII(16)(B) | System Capacity Assurance Program (CAP) | <p>The CAP, dated March 2014, was approved by the EPA and Kentucky EEC on July 3, 2014.</p> <ul style="list-style-type: none"> • Work completed or in progress during the second quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Continued collecting rainfall and flow data for 2017 monitoring season (27 meters). The four-month monitoring period began on March 23, 2017. ○ Continued work on Technical Memorandum summarizing results from 2016 temporary flow monitoring and model recalibration/verification (including incorporation of completed sewer system improvements). ○ Completed physical installation of equipment by LFUCG’s contractor at all permanent flow monitoring locations. QA/QC review of flow data at permanent flow monitoring locations to verify calibration is ongoing. ○ Completed development of final deliverables identifying rehabilitation/replacement needs and earned capacity credit potential based on analysis of CCTV inspections by LFUCG of the wastewater collection system in the East Hickman, West Hickman, Cane Run, and North Elkhorn sewersheds. ○ Continued CAP implementation by reviewing/processing capacity requests for flow increases to the LFUCG sewer system in accordance with the System Capacity Assurance Program Plan. ○ Used hydraulic model to evaluate impact of theoretical inflow and infiltration removal on RMP project sizing. ○ Completed smoke testing on the approximately 64,000 LF of the gravity wastewater collection system upstream of manholes NE1_117 and NE2_28. Smoke testing was undertaken to identify inflow sources contributing to wet weather peaks observed in flow monitoring results. ○ Continued to provide modeling support during design of RMP projects and update the model for other non-RMP sewer improvements completed by LFUCG. ○ Harvested earned credits from sewer improvements completed by LFUCG in 2Q17. ○ Continued implementation and tracking of CAP activities. |

Table 1.1
CD Quarterly Report
Second Quarter 2017

| Consent Decree Section Number | Task | Work Completed – Second Quarter (April 1, 2017 – June 30, 2017) |
|--|--|--|
| VII(16)(C) | Fats, Oils, and Grease (FOG) Control Program | <p>The FOG Control Program, dated December 2011, was approved by the EPA and Kentucky EEC on August 17, 2012, with comment.</p> <ul style="list-style-type: none"> • Work completed or in progress during the second quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Completed permitting for all known FSEs, continued to find and permit previously unknown and new facilities. ○ Issued 38 FOG permits and waivers (34 permits, 4 waivers). ○ Continued routine inspections of Food Service Establishments (FSEs) based on risk ranking. ○ Performed 376 FOG inspections (373 permits, 3 waivers). ○ Issued 20 Notices of Violation (NOVs). ○ No enforcement actions issued this quarter. ○ Continued work with the Lexington-Fayette County Health Department (LFCHD) to include FOG training services in LFCHD’s Food Manager Certification Classes. ○ Continued implementation and tracking of FOG Control Program activities. |
| VII(16)(D) | Gravity Line Preventative Maintenance Program (GLPMP) | <p>The GLPMP, dated December 2011, was approved by the EPA and Kentucky EEC on August 17, 2012, with comment.</p> <ul style="list-style-type: none"> • Work completed or in progress during the second quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Continued an internal review of the preventative maintenance (PM) list to validate current procedures and priorities. ○ Continued implementation and tracking of GLPMP activities. |
| VII(16)(E) | Pump Station Operation Plan for Power Outages (PSOPPO) | <p>The PSOPPO, dated September 2012, was approved by the EPA and Kentucky EEC on October 3, 2013.</p> <ul style="list-style-type: none"> • Work completed or in progress during the second quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Continued implementation and tracking of PSOPPO activities. |

Table 1.2
CD Quarterly Report
Second Quarter 2017
RMP Project Milestones



Completion deadlines are based on the approved schedule dated February 12, 2016.

 = Completed Work
 = Adjusted Interim Milestone

| Group | Sewer-shed | No. | Project Name | Preliminary Design | Complete Design | Award Contract | Begin Construction | Complete Permitting | Complete Construction |
|---------|--|------|--|--------------------|-----------------|----------------|--------------------|---------------------|-----------------------|
| Group 1 | East Hickman | 1 | East Hickman FM ¹ | 2017 | 2023 | 2024 | 2024 | 2024 | 2025 |
| | | 2 | East Hickman PS, Phase 1 | 2016 | 2017 | 2018 | 2018 | 2018 | 2019 |
| | | | East Hickman PS, Phase 2 ¹ | NA | NA | NA | 2025 | 2025 | 2025 |
| | | 3 | East Hickman WWS Tank | 2016 | 2017 | 2018 | 2018 | 2018 | 2019 |
| | | 4 | Overbrook Farm FM | 2021 | 2021 | 2022 | 2022 | 2022 | 2022 |
| | | 5 | Overbrook Farm PS | 2020 | 2020 | 2021 | 2021 | 2021 | 2022 |
| | | 6 | Overbrook Farm Trunk | 2021 | 2021 | 2022 | 2022 | 2022 | 2022 |
| | | 7 | Delong Road PS & FM | 2022 | 2022 | 2023 | 2023 | 2023 | 2024 |
| | | 8 | Armstrong Mill Trunks | 2023 | 2023 | 2024 | 2024 | 2024 | 2024 |
| | | 9 | Hartland 2 & 3 Trunks | 2023 | 2023 | 2024 | 2024 | 2024 | 2024 |
| | | 10 | Hartland 1 Trunk | 2023 | 2023 | 2024 | 2024 | 2024 | 2024 |
| | | 11 | Eliminate East Lake PS | 2018 | 2018 | 2019 | 2019 | 2019 | 2019 |
| | | 12 | Century Hills Trunk Upsize | 2013 | 2013 | 2014 | 2014 | 2014 | 2014 |
| | | 13 | East Lake Trunk Upsize | 2013 | 2013 | 2014 | 2014 | 2014 | 2014 |
| | | 14 | Autumn Ridge Trunk Upsize | 2025 | 2025 | 2026 | 2026 | 2026 | 2026 |
| | Expansion Area #1 Property Acquisition | 2020 | 2020 | | | | | | |
| Group 1 | West Hickman | 1 | WH7 WWS Tank | 2017 | 2017 | 2017 | 2017 | 2017 | 2018 |
| | | 2 | West Hickman Main Trunk A | 2013 | 2013 | 2014 | 2014 | 2014 | 2015 |
| | | 3 | West Hickman Main Trunk B | 2016 | 2016 | 2017 | 2017 | 2017 | 2017 |
| | | 4 | West Hickman Main Trunk C | 2016 | 2016 | 2017 | 2017 | 2017 | 2017 |
| | | 5 | Lansdowne South Trunk | 2018 | 2018 | 2019 | 2019 | 2019 | 2019 |
| | | 6 | West Hickman Main Trunk D | 2018 | 2018 | 2019 | 2019 | 2019 | 2019 |
| | | 7 | Merrick Trunk | 2023 | 2023 | 2024 | 2024 | 2024 | 2024 |
| | | 8 | Ecton Trunk | 2024 | 2024 | 2025 | 2025 | 2025 | 2025 |
| | | 9 | Southeastern Hills Trunk | 2020 | 2020 | 2021 | 2021 | 2021 | 2021 |
| | | 10 | West Hickman Main Trunk E | 2022 | 2022 | 2023 | 2023 | 2023 | 2023 |
| | | 11 | West Hickman Main Trunk F | 2023 | 2023 | 2024 | 2024 | 2024 | 2024 |
| | | 12 | Sutherland Trunk | 2025 | 2025 | 2026 | 2026 | 2026 | 2026 |
| | | 13 | Idle Hour Trunk | 2013 | 2013 | 2014 | 2014 | 2014 | 2014 |
| | | 14 | Centre Parkway Trunk | 2025 | 2025 | 2026 | 2026 | 2026 | 2026 |
| | | 15 | The Island Trunks | 2025 | 2025 | 2026 | 2026 | 2026 | 2026 |
| | | 16 | Woodhill Trunk | 2013 | 2015 | 2015 | 2015 | 2015 | 2015 |
| | | 17 | Prather Road Trunk | 2025 | 2025 | 2026 | 2026 | 2026 | 2026 |
| | | 18 | Richmond Road Trunk | 2025 | 2025 | 2026 | 2026 | 2026 | 2026 |
| | | 19 | Wildwood Park Trunk | 2021 | 2021 | 2022 | 2022 | 2022 | 2022 |
| | | 20 | WH WWTP WWS Tank | 2015 | 2016 | 2016 | 2016 | 2016 | 2018 |
| | | | WH WWTP WWS Tank Phase 2 | 2021 | 2021 | 2022 | 2022 | 2022 | 2023 |
| | | 21 | West Hickman WWTP Reliability Upgrades | | | | | | |
| | | | WWTP-1 Influent Pump Station | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 |
| | | | WWTP-2 Raw Sewage Pump Station | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 |
| | | | WWTP-3 Leaping Weir | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 |
| | | | WWTP-4 BPR Improvements | 2019 | 2020 | 2020 | 2020 | 2020 | 2020 |
| | | | WWTP-5 Zone 1 Aeration | 2013 | 2014 | 2014 | 2014 | 2014 | 2014 |
| | | | WWTP-6 Zone 2 Aeration, Phase 1 | 2013 | 2014 | 2014 | 2014 | 2014 | 2014 |
| | | | Zone 2 Aeration, Phase 2 | 2017 | 2017 | 2017 | 2017 | 2017 | 2017 |
| | | | WWTP-7 Clarifier Flow Distribution | 2019 | 2019 | 2019 | 2019 | N/A | 2019 |
| | | | WWTP-8 Disinfection | 2022 | 2022 | 2022 | 2022 | 2022 | 2022 |
| | | | WWTP-9 Dechlorination | 2022 | 2022 | 2022 | 2022 | 2022 | 2022 |
| | WWTP-10 Final Effluent PS | 2020 | 2021 | 2021 | 2021 | 2021 | 2021 | | |
| | WWTP-11 Return Activated Sludge Pumping | 2023 | 2023 | 2023 | 2023 | 2023 | 2023 | | |
| | WWTP-12 Waste Activated Sludge Pumping | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | | |
| | WWTP-13 Waste Sludge Holding | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | | |
| | WWTP-14 Waste Sludge Thickening | 2025 | 2025 | 2025 | 2025 | 2025 | 2025 | | |
| | WWTP-15 Belt Press Replacement | 2021 | 2021 | 2021 | 2021 | 2021 | 2021 | | |
| | WWTP-16 Dewatering | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | | |
| | WWTP-17 Scum Facility | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | | |
| | WWTP-18 Non-potable Water System | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | | |
| | WWTP-19 Emergency Electrical Power | 2023 | 2023 | 2023 | 2023 | 2023 | 2023 | | |
| | WWTP-20 Odor Control Facilities, Phase 1 | 2013 | 2014 | 2014 | 2014 | 2014 | 2014 | | |
| | Odor Control Facilities, Phase 2 | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | | |
| | WWTP-21 Road Repair | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | | |
| Group 1 | Wolf Run | 1 | Wolf Run Main Trunk A | 2013 | 2014 | 2014 | 2014 | 2014 | 2015 |
| | | 2 | Wolf Run Main Trunk B | 2017 | 2017 | 2018 | 2018 | 2018 | 2018 |
| | | 3 | Wolf Run Main Trunk C | 2017 | 2017 | 2018 | 2018 | 2018 | 2019 |
| | | 4 | Wolf Run Main Trunk D | 2020 | 2020 | 2021 | 2021 | 2021 | 2021 |
| | | 5 | Wolf Run Main Trunk E | 2020 | 2020 | 2021 | 2021 | 2021 | 2021 |
| | | 6 | Wolf Run Main Trunk F | 2021 | 2021 | 2022 | 2022 | 2022 | 2022 |
| | | 7 | Wolf Run Main Trunk G | 2022 | 2022 | 2023 | 2023 | 2023 | 2023 |
| | | 8 | Wolf Run WWS Tank | 2014 | 2015 | 2015 | 2015 | 2015 | 2016 |
| | | 9 | Parkers Mill Trunk | 2022 | 2022 | 2023 | 2023 | 2023 | 2023 |
| | | 10 | Bob O Link Trunk | 2013 | 2013 | 2014 | 2014 | 2014 | 2014 |
| | | 11 | Wolf Run Pump Station | 2009 | - | 2012 | 2012 | - | 2014 |

Table 1.2
CD Quarterly Report
Second Quarter 2017
RMP Project Milestones

Completion deadlines are based on the approved schedule dated February 12, 2016.

 = Completed Work
 = Adjusted Interim Milestone

| Group | Sewer-shed | No. | Project Name | Preliminary Design | Complete Design | Award Contract | Begin Construction | Complete Permitting | Complete Construction | |
|---------|--|---|---|--------------------|-----------------|----------------|--------------------|---------------------|-----------------------|------|
| Group 2 | Cane Run | 1 | Lower Cane Run WWS Tank | 2014 | 2015 | 2015 | 2015 | 2015 | 2017 | |
| | | 2 | Expansion Area 3 PS | 2016 | 2017 | 2017 | 2017 | 2017 | 2018 | |
| | | 3 | Expansion Area 3 FM | 2016 | 2017 | 2017 | 2017 | 2017 | 2018 | |
| | | 4 | Expansion Area 3 Trunk | 2017 | 2017 | 2018 | 2018 | 2018 | 2018 | |
| | | 5 | Shandon Park Trunks | 2017 | 2017 | 2018 | 2018 | 2018 | 2018 | |
| | | 6 | Winburn Trunk | 2017 | 2017 | 2018 | 2018 | 2018 | 2018 | |
| | | 7 | Thoroughbred Acres Trunk | 2017 | 2017 | 2018 | 2018 | 2018 | 2018 | |
| | | 8 | Sharon Village PS and FM | 2018 | 2018 | 2019 | 2019 | 2019 | 2020 | |
| | | 9 | Lower Griffin Gate Trunk | 2014 | 2016 | 2018 | 2018 | 2018 | 2018 | |
| | | 10 | Upper Cane Run WWS Tank | 2020 | 2020 | 2021 | 2021 | 2021 | 2021 | |
| | | 11 | Cane Run Trunk | 2018 | 2018 | 2019 | 2019 | 2019 | 2019 | |
| | | 12 | Lexmark Trunk A | 2019 | 2019 | 2020 | 2020 | 2020 | 2020 | |
| | | 13 | Lexmark Trunk B | 2019 | 2019 | 2020 | 2020 | 2020 | 2020 | |
| | | 14 | New Circle Trunk A | 2020 | 2020 | 2021 | 2021 | 2021 | 2021 | |
| | | 15 | New Circle Trunk B | 2021 | 2021 | 2022 | 2022 | 2022 | 2022 | |
| | | 16 | Griffin Gate Rehab | 2019 | 2019 | 2020 | 2020 | 2020 | 2020 | |
| | Town Branch | 1 | Town Branch WWTP WWS Tank | 2013 | 2014 | 2014 | 2014 | 2014 | 2015 | 2016 |
| | | 2 | Town Branch WWTP WWS Tank Phase 2 | 2023 | 2023 | 2024 | 2024 | 2024 | 2025 | |
| | | 3 | Town Branch PS Replacement | 2018 | 2019 | 2019 | 2019 | 2019 | 2019 | |
| | | 4 | Tie-in Lower Cane Run FM | 2014 | 2014 | 2014 | 2015 | 2015 | 2016 | |
| | | 5 | UK Trunk A | 2016 | 2016 | 2016 | 2016 | 2016 | 2017 | |
| | | 6 | UK Trunk B (Newtown Pike Extension) | - | - | - | 2014 | - | 2016 | |
| | | 7 | UK Trunk C | 2018 | 2018 | 2019 | 2019 | 2019 | 2019 | |
| | | 8 | UK Trunk D | 2019 | 2019 | 2020 | 2020 | 2020 | 2020 | |
| | | 9 | UK Trunk E | 2019 | 2019 | 2020 | 2020 | 2020 | 2020 | |
| | | 10 | Georgetown Road Trunk | 2024 | 2024 | 2025 | 2025 | 2025 | 2025 | |
| | | 11 | Midland Avenue Trunk, Phase 1 (TBC) | 2017 | 2018 | 2018 | 2019 | 2019 | 2023 | |
| | | 12 | Midland Avenue Trunk, Phase 2 | 2022 | 2022 | 2023 | 2023 | 2023 | 2023 | |
| | | 13 | Town Branch WWTP Reliability Upgrades | | | | | | | |
| | | 14 | WWTP-1 Headworks | 2015 | 2016 | 2016 | 2016 | 2016 | 2016 | |
| | | 15 | WWTP-2 Primary Clarifier Equipment | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 | |
| | | 16 | WWTP-3 Aeration Basins | 2020 | 2021 | 2021 | 2021 | 2021 | 2021 | |
| | | 17 | WWTP-4 Final Clarifier Equipment, Phase 1 | 2014 | 2014 | 2014 | 2014 | 2014 | 2014 | |
| 18 | | WWTP-4 Final Clarifier Equipment, Phase 2 | 2024 | 2025 | 2025 | 2025 | 2025 | 2025 | | |
| 19 | | WWTP-5 RAS Pump Station | 2022 | 2022 | 2022 | 2022 | 2022 | 2022 | | |
| 20 | | WWTP-6 WAS Pump Station | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 | | |
| 21 | WWTP-7 Gravity Thickeners | 2018 | 2019 | 2019 | 2019 | 2019 | 2019 | | | |
| 22 | WWTP-8 Disinfection | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | | | |
| 23 | WWTP-9 Non-potable Water PS | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | | | |
| 24 | WWTP-10 Primary Digesters | 2016 | 2017 | 2017 | 2017 | 2017 | 2018 | | | |
| 25 | WWTP-11 Secondary Digesters / Sludge Holding | 2019 | 2020 | 2020 | 2020 | 2020 | 2020 | | | |
| 26 | WWTP-12 Dewatering | 2018 | 2019 | 2019 | 2019 | 2019 | 2019 | | | |
| 27 | WWTP-13 Scum Facility | 2021 | 2021 | 2021 | 2021 | 2021 | 2021 | | | |
| 28 | WWTP-14 Site | 2023 | 2024 | 2024 | 2024 | 2024 | 2026 | | | |
| Group 3 | North Elkhorn | 1 | North Elkhorn PS WWS Tank | 2025 | 2025 | 2026 | 2026 | 2026 | 2026 | |
| | | 2 | Eastland Trunk | 2022 | 2022 | 2023 | 2023 | 2023 | 2023 | |
| | | 3 | Liberty Road Trunk | 2020 | 2020 | 2021 | 2021 | 2021 | 2021 | |
| | | 4 | Greenbrier #2 PS | 2024 | 2024 | 2025 | 2025 | 2025 | 2025 | |
| | | 5 | Greenbrier Trunk | 2024 | 2024 | 2025 | 2025 | 2025 | 2025 | |
| | | 6 | Floyd Drive Rehab | 2023 | 2023 | 2024 | 2024 | 2024 | 2024 | |
| | | 7 | Expansion Area 2A Projects | - | - | 2012 | 2012 | - | 2014 | |
| | South Elkhorn | 1 | South Elkhorn PS Upsize | 2016 | 2017 | 2017 | 2017 | 2017 | 2017 | |
| | | 2 | Mint Lane Trunk | 2024 | 2024 | 2025 | 2025 | 2025 | 2025 | |
| | | 3 | Mint Lane PS | 2024 | 2024 | 2025 | 2025 | 2025 | 2025 | |

Notes: If a date was not provided for a milestone, then the milestone was completed prior to the creation of this table.

¹The completion dates for these projects were revised per the EPA- and KDEP-approved modification request dated March 13, 2017.

Table 1.3
CD Quarterly Report
Second Quarter 2017
Recurring Manhole SSOs Abated/Relocated

| Date Abated/ Relocated | CD SSO # | SSO Manhole ID # | Manhole Address | Sewershed | Abated or Relocated | Reason for SSO Abatement/Relocation | New SSO Manhole ID # | Final RMP Project to Enable Abatement |
|---|----------|---------------------|---------------------|---------------|------------------------|---|-------------------------|--|
| 3rd Quarter 2013 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| 8/13/2013 | 25 | TB5 43 | 410 Rose Lane | Town Branch | Abated | Cross Connection Has Been Removed | N/A | N/A |
| 8/13/2013 | 26 | TB5 46A | 457 Woodland | Town Branch | Abated | Cross Connection Has Been Removed | N/A | N/A |
| 8/13/2013 | 27 | TB5 326 | 146 McDowell Road | Town Branch | Abated | Cross Connection Has Been Removed | N/A | N/A |
| 8/13/2013 | 28 | TB5 344 | 1004 Slashes Road | Town Branch | Abated | Cross Connection Has Been Removed | N/A | N/A |
| 8/13/2013 | 49 | WH4 54 | Zandale Drive | West Hickman | Abated | Zandale Trunk Project / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 50 | WH4 32 | Zandale Drive | West Hickman | Abated | Zandale Trunk Project / 1 Overflow Reported in 2Q10 | N/A | N/A |
| 8/13/2013 | 51 | WH4 65B | Zandale Drive | West Hickman | Abated | Zandale Trunk Project / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 58 | WH3 500 | Centre Pkwy | West Hickman | Abated | PM Issue / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 73 | NE1 90 | Hisle Way | North Elkhorn | Abated | Dixie Trunk Project / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 74 | NE1 199 | Dartmoor Drive | North Elkhorn | Abated | Rehab Project on Dartmoor / Last Reported Overflow 2Q10 | N/A | N/A |
| 8/13/2013 | 75 | NE1 84 | Chatsworth Drive | North Elkhorn | Abated | Dixie Trunk Project / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 76 | NE1 83 | Chatsworth Drive | North Elkhorn | Abated | Dixie Trunk Project / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 77 | NE1 25 | Gayle Drive | North Elkhorn | Abated | Dixie Trunk Project / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 78 | CR6 130A | Seventh & Jackson | Cane Run | Abated | Collection System Rehab / 0 Overflows in 11 yrs | N/A | N/A |
| 8/13/2013 | 79 | CR6 132A | Shelby Street | Cane Run | Abated | Manhole Removed From System | N/A | N/A |
| 8/13/2013 | 80 | CR5 201 | Edgelawn Avenue | Cane Run | Abated | 2001 Sewer Project / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 81 | CR4 175 | Pierson Drive | Cane Run | Abated | On PM list / Last Reported Overflow 2Q10 | N/A | N/A |
| 8/13/2013 | 83 | CR2 161 | Pennebaker Drive | Cane Run | Abated | On PM list / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 94 | WH10 400 | Nicholasville Road | West Hickman | Abated | On PM list / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 96 | WR3 103A | Poppy Road | Wolf Run | Abated | On PM list / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 97 | NE2 154 | Jingle Bell (1454) | North Elkhorn | Abated | On PM list / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 100 | TB3 486 | Nelson Avenue | Town Branch | Abated | On PM list / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 101 | TB5 15 | Park Avenue | Town Branch | Abated | Non-Recurring SSO / 1 Reported Overflow 2Q08 | N/A | N/A |
| 8/13/2013 | 102 | CR7 134 | Stanton Way (1950) | Cane Run | Abated | On PM list / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 103 | CR7 125 | Newtown Pike | Cane Run | Abated | On PM list / 0 Overflows Reported in 11 yrs | N/A | N/A |
| 8/13/2013 | 104 | CR5 25 | Deepwood Drive | Cane Run | Abated | On PM list / Last Reported Overflow 2Q10 | N/A | N/A |
| 8/13/2013 | 105 | CR3 18C | Loudon Avenue (115) | Cane Run | Abated | On PM List / 1 Reported Overflow 4Q12 | N/A | N/A |
| 8/13/2013 | 110 | TB5 17 | 443 Oldham Avenue | Town Branch | Abated | Identified as Relief Sewer to Euclid Avenue | N/A | N/A |
| 8/13/2013 | 111 | TB2 33 | 648 S Broadway | Town Branch | Abated | Cross Connection Has Been Removed | N/A | N/A |
| 4th Quarter 2013 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| no changes | | | | | | | | |
| 1st Quarter 2014 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| no changes | | | | | | | | |
| 2nd Quarter 2014 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| no changes | | | | | | | | |
| 3rd Quarter 2014 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| 8/15/2014 | 108 | CR3 51 | 772 N Broadway | Cane Run | Abated | Plugged 1/30/2014 | N/A | N/A |
| 9/30/2014 | 109 | TB5 14 | 441 Park Avenue | Town Branch | Abated | Determined To Not Be a Cross Connection | N/A | N/A |
| 4th Quarter 2014 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| no changes | | | | | | | | |
| 1st Quarter 2015 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| no changes | | | | | | | | |

**Table 1.3
CD Quarterly Report
Second Quarter 2017
Recurring Manhole SSOs Abated/Relocated**

| Date Abated/ Relocated | CD SSO # | SSO Manhole ID # | Manhole Address | Sewershed | Abated or Relocated | Reason for SSO Abatement/Relocation | New SSO Manhole ID # | Final RMP Project to Enable Abatement |
|---|----------|---------------------|-------------------------|--------------|------------------------|--|-------------------------|--|
| 2nd Quarter 2015 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| 11/6/2014 | 106 | EH3_90 | 1165 Mt Rushmore Way | East Hickman | Relocated | Century Hills Trunk Project (EH-12) | EH3-1030 | EH WWS Tank (EH-3) |
| 11/10/2014 | 62 | WR4_10 | 586 Bob-O-Link Road | Wolf Run | Abated | Bob-O-Link Trunk Project (WR-10) | N/A | N/A |
| 11/10/2014 | 63 | WR4_9 | 586 Bob-O-Link Road | Wolf Run | Abated | Bob-O-Link Trunk Project (WR-10) | N/A | N/A |
| 11/10/2014 | 64 | WR4_25 | 380 Bob-O-Link Road | Wolf Run | Abated | Bob-O-Link Trunk Project (WR-10) | N/A | N/A |
| 3rd Quarter 2015 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| no changes | | | | | | | | |
| 4th Quarter 2015 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| 12/19/2014 | 10 | WH7_280 | 204 St Ann Drive | West Hickman | Relocated | Idle Hour Trunk Project (WH-13) | WH7_931 | WH7 WWS Tank (WH-1) |
| 12/19/2014 | 11 | WH7_294 | 209 St Ann Drive | West Hickman | Relocated | Idle Hour Trunk Project (WH-13) | WH7_941 | WH7 WWS Tank (WH-1) |
| 12/19/2014 | 12 | WH7_295A | 209 St Ann Drive | West Hickman | Relocated | Idle Hour Trunk Project (WH-13) | WH7_958 | WH7 WWS Tank (WH-1) |
| 9/30/2015 | 5 | WH7_97E | 2401 Richmond Road | West Hickman | Abated | Woodhill Trunk Project (WH-16) | N/A | N/A |
| 12/19/2015 | 3 | WH7_98 | 2399 Richmond Road | West Hickman | Relocated | Woodhill Trunk Project (WH-16) | WH7_982 | WH7 WWS Tank (WH-1) |
| 12/19/2015 | 4 | WH7_97G | 2399 Richmond Road | West Hickman | Relocated | Woodhill Trunk Project (WH-16) | WH7_982 | WH7 WWS Tank (WH-1) |
| 12/19/2015 | 6 | WH7_103 | 2350 Woodhill Shopping | West Hickman | Relocated | Woodhill Trunk Project (WH-16) | WH7_991 | WH7 WWS Tank (WH-1) |
| 12/19/2015 | 7 | WH7_35A | 2300 Richmond Road | West Hickman | Relocated | Woodhill Trunk Project (WH-16) | WH7_982 | WH7 WWS Tank (WH-1) |
| 12/19/2015 | 8 | WH7_36 | 2300 Richmond Road | West Hickman | Relocated | Woodhill Trunk Project (WH-16) | WH7_982 | WH7 WWS Tank (WH-1) |
| 1st Quarter 2016 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| 3/31/2016 | 30 | Basement | 245 Radcliffe Road | Cane Run | Abated | Backtrap Valve Installed in 2000 | N/A | N/A |
| 3/31/2016 | 31 | Basement | 209 Radcliffe Road | Cane Run | Abated | Former Maintenance Issue | N/A | N/A |
| 3/31/2016 | 32 | Basement | 236 Chenault Road | Town Branch | Abated | Backtrap Valve Installed in 2003 to Address Surface Water Flooding | N/A | N/A |
| 2nd Quarter 2016 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| no changes | | | | | | | | |
| 3rd Quarter 2016 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| no changes | | | | | | | | |
| 4th Quarter 2016 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| no changes | | | | | | | | |
| 1st Quarter 2017 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| 1/18/2017 | N/A* | TB5_102A | 1100 Nicholasville Road | Town Branch | Abated | Cross Connection Has Been Removed | N/A | N/A |
| 2nd Quarter 2017 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| 6/30/2017 | 99 | TB1_155 | Manchester Avenue | Town Branch | Abated | UK Trunk A Project (TB-4) | N/A | N/A |

*During the development of the RMP, LFUCG determined, via the hydraulic model, that manhole TB5_102A surcharged to the point that it would be in violation of the Capacity Assurance Program. During the third quarter of 2014, LFUCG determined that manhole TB5_102A was a cross connection and has reported it as such since then. Although this manhole is not included in Appendix A of the Consent Decree, LFUCG has completed a non-RMP capital project to remove this cross connection and now considers this manhole to be abated.

Table 1.4
CD Quarterly Report
Second Quarter 2017
Recurring Pump Station SSOs Abated

| Date Abated | CD SSO # | Pump Station Name | Pump Station Address | Sewershed | Reason for Recurring SSO Abatement |
|--|----------|-------------------|------------------------|---------------|--|
| 3rd Quarter 2013 Pump Station Recurring SSO Abatement | | | | | |
| 8/13/2013 | 1 | South Elkhorn | 2500 Bowman Mill Road | South Elkhorn | Capital Project Constructed New Pump Station |
| 8/13/2013 | 2 | North Elkhorn | 2201 Elkhorn Road | North Elkhorn | Capital Project Constructed New Pump Station |
| 8/13/2013 | 16 | Deep Springs | 469 Anniston Drive | North Elkhorn | Capital Project Constructed New Pump Station |
| 8/13/2013 | 17 | Dixie | 1459 Huntsville Drive | North Elkhorn | Capital Project Constructed New Pump Station |
| 8/13/2013 | 92 | Bluegrass Field | 1031 Air Freight Drive | South Elkhorn | Capital Project Constructed New Pump Station |
| 4th Quarter 2013 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 1st Quarter 2014 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 2nd Quarter 2014 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 3rd Quarter 2014 Pump Station Recurring SSO Abatement | | | | | |
| 8/15/2014 | 88 | Greenbrier #1 | 3770 Katkay Drive | North Elkhorn | Decommissioned |
| 4th Quarter 2014 Pump Station Recurring SSO Abatement | | | | | |
| 10/3/2014 | 18 | Wolf Run | 755 Enterprise Dr | Wolf Run | Capital Project Constructed New Pump Station |
| 10/3/2014 | 24 | Man-O-War | 2079 Bryant Rd | North Elkhorn | Decommissioned |
| 10/3/2014 | 91 | Hamburg Farm | 1936 Pavillion Way | North Elkhorn | Rehabilitated |
| 1st Quarter 2015 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 2nd Quarter 2015 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 3rd Quarter 2015 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 4th Quarter 2015 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 1st Quarter 2016 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 2nd Quarter 2016 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 3rd Quarter 2016 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 4th Quarter 2016 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 1st Quarter 2017 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |
| 2nd Quarter 2017 Pump Station Recurring SSO Abatement | | | | | |
| no changes | | | | | |

The following two tables provide information on projects and activities conducted during the last calendar quarter related to the storm sewer system. Table 1.5 highlights various Stormwater Quality Management Program activities and Table 1.6 shows the Performance Standards with deadlines during the previous quarter.

Table 1.5
CD Quarterly Report
Second Quarter 2017
Stormwater Quality Management Program

| | |
|----|---|
| 1. | Performance Standards – see Table 1.6 highlighting the status of the Performance Standards with monthly and twice annually deadlines. |
| 2. | Stormwater Quality Management Program – LFUCG continued implementing its <u>Stormwater Quality Management Program</u> , dated June 1, 2016. |
| 3. | Water Quality Management Fee Implementation – Ongoing Stormwater Quality Projects Incentive Grant Program grants continued as scheduled and some were completed. Grant award agreements were forwarded to the Urban County Council for award as they were executed. The Water Quality Fees Board met on April 13, 2017. The primary topic for that meeting was to conduct site visits of grant projects. Staff promoted the grant program at a Trees Lexington meeting on May 5, 2017. Applications for Class A and Class B Education grants were due on May 12, 2017, and a pre-submittal meeting for Class B Infrastructure grants was held on June 23, 2017. |
| 4. | <p>Public Education and Outreach –</p> <ul style="list-style-type: none"> • DEQ&PW staff hosted displays about stormwater, trees, and/or litter at the Arboretum on April 7th and April 29th, at the University of Kentucky’s Staff Appreciation Day on May 25th, at Lexington’s Pride Festival on June 24th, and at the Farm to Table Cooking Camp on June 30th. • Schools and students were honored at the annual School Recognition Ceremony to award schools that are implementing sustainable practices. • The database of people wanting to receive information from LFUCG’s Division of Water Quality continued to be updated. • The website continued to be updated. • DEQ&PW staff appeared on local TV news shows to promote the Kentucky River Sweep event. |

| | |
|----|---|
| 5. | <p>Public Involvement and Participation –</p> <ul style="list-style-type: none"> • Reforest The Bluegrass was held on April 15th. • Household Hazardous Waste Collection was held on April 22nd. • River Sweep was held on June 17th. • DEQ&PW staff gave a presentation to the Citizens Environmental Academy about water quality and Lexington’s Consent Decree on June 24th. • Storm drain stenciling continued. • The Stormwater Stakeholder Advisory Committee met on June 2nd. |
| 6. | <p>Illicit Discharge Detection and Elimination – During the second quarter of 2017, 70 IDDE investigations were completed and 16 investigations were initiated or are ongoing and in monitoring status. Ten responsible parties received NOVs. LFUCG sent 64 letters during the quarter to residents and IDDE responsible parties regarding stormwater pollution education with pertinent ordinance and cleanup information. Dry Weather Screening was completed at 90 Major Outfalls during the second quarter. Streets and Roads staff received IDDE and ESC training on June 23rd.</p> |
| 7. | <p>Construction Site Stormwater Runoff Control – Monthly inspections of active construction sites and twice-monthly inspections of targeted construction sites continued. Streets and Roads staff received IDDE and ESC training during the second quarter.</p> |
| 8. | <p>Post-Construction Stormwater Management in New Development and Redevelopment – Inspections of detention basins, retention ponds, stormwater control devices, and critical culverts continued. 26 water quality BMPs at eight sites were added to the inventory during the second quarter.</p> |
| 9. | <p>Pollution Prevention for Municipal Operations – LFUCG’s Suntime units, Stormceptors, and other stormwater quality control BMPs were inspected and maintained, as needed. LFUCG continued a quarterly highlight of a Greenworks Guide on its intranet during the second quarter.</p> <p>Contractors removed over 31 tons of litter and debris from streams, drainageways, and public rights-of-way at 19 locations during the second quarter.</p> |

| | |
|-----|--|
| 10. | Industrial Facility Stormwater Pollution Prevention – Eight industrial facilities and one high-risk commercial facility were inspected during the second quarter. Staff gave a presentation on stormwater management to employees at C&R Asphalt on June 5th. |
| 11. | Water Quality Monitoring – Monitoring this quarter included quarterly dry and wet weather sampling and macroinvertebrate collections. Sampling and data collection continued in Cane Run for the Watershed-Focused Monitoring Program, including the Summer Phase 2 Screening, Stream Corridor Characterizations, and Stream Biological collections. |
| 12. | Reporting and Recordkeeping – Ongoing recordkeeping continued. |
| 13. | TMDLs and Impaired Waters – Work continued to develop a list of appropriate BMPs for potential implementation. |

Table 1.6
CD Quarterly Report
Second Quarter 2017
Status of Consent Decree MS4 Performance Standards as of 6/30/17

| MS4 Performance Standard | | Completion Schedule | Status | Comparison of Actual Performance to Performance Standard |
|---------------------------------|--|---|---------------------------------------|---|
| CS-6 | Commencing with the first full calendar month after entry of the Consent Decree, conduct monthly inspections of at least 90% of active construction sites with reasonable potential to discharge to the MS4. | First Full Calendar Month After CD Effective Date | Completed, but will reoccur monthly. | LFUCG met the 90% requirement each month of the second quarter of 2017 (97.9% for April, 98.9% for May, and 99.6% for June). |
| PPRC-14 | Commencing with the first full calendar month after entry of the Consent Decree, ensure the inspection of at least 90% of the publicly- and privately-owned detention basins with reasonable potential to discharge pollutants to the MS4 at least two times a year. | First Full Calendar Month After CD Effective Date | Completed, but occurs twice annually. | LFUCG met the 90% requirement for the first round of inspections in 2017. As of May 17, 2017, the first round was completed with 1,205 out of 1,205 detention basins having been inspected. One detention basin was added to the inventory and six detention basins were removed from the inventory in June 2017, for a current total inventory of 1,200. |
| PPRC-15 | Commencing with the first full calendar month after entry of the Consent Decree, ensure the inspection of at least 90% of the publicly- and privately-owned retention ponds with reasonable potential to discharge pollutants to the MS4 at least once a month. | First Full Calendar Month After CD Effective Date | Completed, but will reoccur monthly. | LFUCG met the 90% requirement each month of the second quarter of 2017 (100% for all three months). As of June 30, 2017, there were 96 retention ponds on the inventory. |
| PPRC-16 | Commencing with the first full calendar month after entry of the Consent Decree, ensure the inspection of at least 90% of the culverts in Appendix LL of the SWQMP for clogging and excessive buildup of sediment at least once a month and within three days of a rainfall of 1 inch or more in a calendar day. | First Full Calendar Month After CD Effective Date | Completed, but will reoccur monthly. | LFUCG met the 90% requirement for the monthly inspections for the second quarter of 2017 (100% for all three months). Additionally, there was one rain event during this quarter with greater than 1" of rainfall in a calendar day (Friday, 6/23). LFUCG completed a round of inspections within one working day of the event and achieved >90% of the inspections for this event (100% on 6/26). The critical culvert inventory has 43 locations as of June 30, 2017. |

Table 1.7 provides information on progress completed during the last calendar quarter related to the implementation of the Supplemental and Commonwealth Environmental Projects required by the Consent Decree.

Table 1.7
CD Quarterly Report
Second Quarter 2017
Supplemental and Commonwealth Environmental Projects

| | |
|-----|---|
| J-1 | Coldstream Park Stream Corridor Restoration and Preservation SEP – Grading and earthwork commenced during the second quarter. The bioswale was constructed and seeded. |
| J-2 | Green Infrastructure SEP – Complete. LFUCG submitted the SEP Completion Report to the EPA and Kentucky EEC on June 29, 2012. |
| K-1 | Blue Sky Package Treatment Plant Elimination Project – Complete. |
| K-2 | <p>Flooding Evaluation Project –</p> <p>LFUCG’s acquisition of 1653 Gayle Drive is complete.</p> <p>All demolition and site restoration on Clarksdale Court has been completed and this FEMA project is now complete.</p> <p>Wilson Downing Tributary design continued and right-of-way acquisition began during the second quarter. This project is being coordinated with RMP Project WH-5 Lansdowne South Trunk.</p> <p>The demolition of 134, 135, and 137 Elam Park is complete.</p> <p>Investigation and design, including surveying and hydrologic and hydraulic (H&H) modeling, of the Southland stormwater project began during the second quarter. The rain event on June 23rd will serve as a calibration event for the H&H model.</p> |

Section II
CD Quarterly Report
Second Quarter 2017
July 27, 2017

CD Language:

X. REPORTING REQUIREMENTS AND APPROVAL OF SUBMITTALS

29. Reports.

A. Quarterly Reports.

(ii) The date, locations, estimated volume, and cause (if known) of all SSOs for the most recently completed quarter; a cumulative accounting of the estimated reduction in volume and in number of occurrences of SSOs and Unpermitted Bypasses.

LFUCG's Response:

The attached tables provide information related to SSOs and Unpermitted Bypasses during the most recently completed calendar quarter. The following is a list of the tables included:

- Table 2.1: 2nd Quarter 2017 SSO Overview
- Table 2.2: 2nd Quarter 2017 Manhole Overflows sorted chronologically
- Table 2.3: 2nd Quarter 2017 Manhole Overflows sorted by cause
- Table 2.4: 2nd Quarter 2017 vs. 2nd Quarter 2016 and 1st Quarter 2017 (provides a listing of individual overflow locations and lists the number of overflows for each specific location and cause for each quarter)
- Table 2.5: 2nd Quarter 2017 Pump Station Overflows and Bypasses sorted chronologically
- Table 2.6: 2nd Quarter 2017 vs. 2nd Quarter 2016 and 1st Quarter 2017 (provides a listing of individual overflow/bypass locations and lists the number of overflows for each specific location and cause for each quarter)
- Table 2.7: 2nd Quarter 2017 WWTP Unpermitted Bypasses

Table 2.1
CD Quarterly Report
Second Quarter 2017
SSO Overview

| 2nd Quarter 2017 SSO Report Comparative Overview | | | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|--|--|--|
| Source | Number of Overflows 2nd QTR 2017 | Number of Overflows 2nd QTR 2016 | Number of Overflows 1st QTR 2017 | Total Estimated Overflow Volume (gallons) 2nd QTR 2017 | Total Estimated Overflow Volume (gallons) 2nd QTR 2016 | Total Estimated Overflow Volume (gallons) 1st QTR 2017 |
| Manhole Overflows [^] | 47 | 32 | 109 | 11,256,326 | 327,676 | 6,635,571 |
| Pump Station Overflows and/or Bypasses | 23 | 12 | 16 | 6,009,480 | 6,108,940 | 8,888,141 |
| WWTP Unpermitted Bypasses | 1 | 0 | 1 | 60,000 | 0 | 60,000 |
| Cumulative Totals | 71 | 44 | 126 | 17,325,806 | 6,436,616 | 15,583,712 |

[^]Includes 8 Basement Backups in 2Q17, 1 Basement Backup in 2Q16, and 4 Basement Backups in 1Q17.

| Quarterly Liquid Precipitation (in inches) | | | | |
|---|---------|----------|-------|------------------|
| Quarter | April | May | June | Total Cumulative |
| 2nd Qtr 2017 | 1.75 | 5.73 | 5.73 | 13.21 |
| 2nd Qtr 2016 | 3.15 | 6.64 | 4.56 | 14.35 |
| | January | February | March | Total Cumulative |
| 1st Qtr 2017 | 4.72 | 3.39 | 3.28 | 11.39 |
| Note: Quarterly Liquid Precipitation readings were acquired from the University of Kentucky Agricultural Weather Center at the following website http://www.wagwx.ca.uky.edu/cgi-bin/ky_clim_data_www.pl | | | | |

| Quarterly Significant Precipitation Events | |
|---|--------------------------|
| Date | Inches in 24-hour Period |
| 5/1/2017 | 1.07 |
| 5/21/2017 | 0.90 |
| 6/23/2017 | 3.15 |
| Note: Quarterly Significant Precipitation Events were acquired from the University of Kentucky Agricultural Weather Center at the following website: http://www.wagwx.ca.uky.edu/cgi-bin/ky_clim_data_www.pl | |

Table 2.2
CD Quarterly Report
Second Quarter 2017
Manhole Overflows

| 2nd Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | | | | |
|--|-----------------|--|---------------|----------------------|-------------------------------------|-----------------------------------|----|-------------|
| Date | MH ID # | Address | Sewershed | Cause | Estimated Overflow Volume (gallons) | Appendix A or Revised Table A-1a* | | RMP Project |
| 4/17/2017 | Basement | 309 Ohio St | Town Branch | Debris | 5 | - | - | - |
| 4/24/2017 | PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 39,000 | - | - | - |
| 4/26/2017 | PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 6,750 | - | - | - |
| 4/27/2017 | PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 6,000 | - | - | - |
| 4/28/2017 | PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 11,250 | - | - | - |
| 5/5/2017 | PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 10,305,000 | - | - | - |
| 5/13/2017 | SE5_891 | 3558 Juliann Cir | South Elkhorn | Debris | 450 | - | - | - |
| 5/30/2017 | SE2_202 | 3601 Rabbits Foot Trl | South Elkhorn | Debris | 225 | - | - | - |
| 6/4/2017 | NE1_356A | 1505 Auburn Ct | North Elkhorn | Debris | 425 | - | - | - |
| 6/14/2017 | TB4_73 | 150 Grand Blvd | Town Branch | Debris | 425 | - | - | - |
| 6/20/2017 | WH6_24 | 3416 Heritage Pl | West Hickman | Debris | 2,375 | - | - | - |
| 6/23/2017 | Basement | 205 Cochran Rd | Town Branch | Sustained Rain Event | 1,604 | - | - | - |
| 6/23/2017 | Basement | 209 Cochran Rd | Town Branch | Sustained Rain Event | 1,623 | - | - | - |
| 6/23/2017 | Basement | 216 St Ann Dr | West Hickman | Sustained Rain Event | 2,145 | - | - | - |
| 6/23/2017 | WR5_9 | 782 Allendale Dr | Wolf Run | Sustained Rain Event | 29,750 | Appendix A ⁺ | 29 | WR-5 |
| 6/23/2017 | SE2_6137 | 3273 Blenheim Way | South Elkhorn | Sustained Rain Event | 2,500 | - | - | - |
| 6/23/2017 | CR4_8 | 444 Cane Run Rd | Cane Run | Sustained Rain Event | 5,050 | - | - | CR-14 |
| 6/23/2017 | CR4_15 | 1502 Russell Cave Rd | Cane Run | Sustained Rain Event | 5,050 | Appendix A | 82 | CR-14 |
| 6/23/2017 | EH3_377 | 3297 Featherston Dr | East Hickman | Sustained Rain Event | 7,250 | Table A-1a | 1 | EH-11 |
| 6/23/2017 | WH1_51 | **3770 Forest Green Dr (Belleau Wood Park) | West Hickman | Sustained Rain Event | 11,000 | Table A-1a | 17 | WH-4 |
| 6/23/2017 | WH10_2 | 769 Rainwater Dr | West Hickman | Sustained Rain Event | 10,000 | - | - | WH-3 |
| 6/23/2017 | WH2_181 | 3501 Laredo Dr | West Hickman | Sustained Rain Event | 15,750 | Appendix A | 59 | WH-5 |
| 6/23/2017 | WH2_419Z | 3665 Niles Ct | West Hickman | Sustained Rain Event | 10,000 | - | - | WH-9 |
| 6/23/2017 | WH3_144 | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 5,425 | - | - | WH-7 |
| 6/23/2017 | WH3_148A | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 27,125 | Appendix A | 55 | WH-7 |
| 6/23/2017 | WH3_56 | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 5,425 | Appendix A | 54 | WH-7 |
| 6/23/2017 | WH3_658 | 3422 Greentree Rd | West Hickman | Sustained Rain Event | 27,250 | Appendix A | 52 | WH-12 |
| 6/23/2017 | WH5_45A | 3134 Montavesta Rd | West Hickman | Sustained Rain Event | 25,375 | Appendix A | 45 | WH-8 |
| 6/23/2017 | TB3_1137 | 250 Lewis St | Town Branch | Sustained Rain Event | 1,500 | - | - | ^ |
| 6/23/2017 | WH6_645 | 2309 The Woods Ln | West Hickman | Sustained Rain Event | 20,250 | Appendix A | 38 | WH-11 |
| 6/23/2017 | WH6_74 | **3538 Creekwood Dr | West Hickman | Sustained Rain Event | 23,250 | Table A-1a | 10 | WH-11 |
| 6/23/2017 | WH7_280A | 204 St Ann Dr | West Hickman | Sustained Rain Event | 8,750 | Appendix A | 9 | WH-13 |
| 6/23/2017 | WH7_37 | 2300 Richmond Rd | West Hickman | Sustained Rain Event | 74,000 | - | - | WH-1 |
| 6/23/2017 | WH7_982 | 2401 Richmond Rd | West Hickman | Sustained Rain Event | 74,000 | - | - | WH-1 |

Table 2.2
CD Quarterly Report
Second Quarter 2017
Manhole Overflows

| 2nd Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | | | | |
|---|----------|--|---------------|----------------------|-------------------------------------|-----------------------------------|----|-------------|
| Date | MH ID # | Address | Sewershed | Cause | Estimated Overflow Volume (gallons) | Appendix A or Revised Table A-1a* | | RMP Project |
| 6/23/2017 | WH7_983 | 2401 Richmond Rd | West Hickman | Sustained Rain Event | 74,000 | - | - | WH-1 |
| 6/23/2017 | WH8_1271 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 11,000 | - | - | ^^ |
| 6/23/2017 | WR2_102 | **1835 Yorktown Road (Gardenside Park) | Wolf Run | Sustained Rain Event | 52,250 | Appendix A | 69 | WR-5 |
| 6/23/2017 | WR2_319 | 1733 Traveller Rd | Wolf Run | Sustained Rain Event | 11,250 | Table A-1a | 29 | WR-9 |
| 6/23/2017 | WR2_488 | **1616 Maywick View Ln (Wolf Run Park) | Wolf Run | Sustained Rain Event | 142,000 | Appendix A | 71 | WR-4 |
| 6/23/2017 | MH1A | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 11,000 | - | - | ^^ |
| 6/23/2017 | MH2 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 11,000 | - | - | ^^ |
| 6/23/2017 | MH3 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 11,000 | - | - | ^^ |
| 6/24/2017 | Basement | 766 Sandpiper Ct | Cane Run | Sustained Rain Event | 2,272 | - | - | - |
| 6/24/2017 | Basement | 2063 New Orleans Dr | North Elkhorn | Sustained Rain Event | 1,032 | - | - | - |
| 6/24/2017 | NE1_132 | 1143 Floyd Dr | North Elkhorn | Sustained Rain Event | 159,500 | - | - | NE-6 |
| 6/28/2017 | Basement | 206 Catalpa Rd | Town Branch | Sustained Rain Event | 1,565 | - | - | - |
| 6/28/2017 | Basement | 208 Catalpa Rd | Town Branch | Sustained Rain Event | 2,480 | - | - | - |
| | | Total Overflows | 47 | | Total Estimated Overflow Volume | 11,256,326 | | |

* Appendix A refers to Appendix A of the Consent Decree which lists the locations of recurring SSOs and unpermitted discharges. Revised Table A-1a refers to a list of additional known SSOs which were not included in Appendix A of the Consent Decree, but that will be addressed by the RMP projects.

** Address for manhole was changed to match previously reported address.

† Manhole also appears on Table A-1a as #30.

^ Newly found cross connection.

^^ Overflows were caused by a sustained rain event that occurred during construction of a new trunk sewer.

Table 2.3
CD Quarterly Report
Second Quarter 2017
Manhole Overflows - Sorted by Cause

| 2nd Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | |
|---|-----------------|--|---------------|---------------------------------|-------------------------------------|
| Date | MH ID # | Address | Sewershed | Cause | Estimated Overflow Volume (gallons) |
| Break | | | | | |
| 4/24/2017 | PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 39,000 |
| 4/26/2017 | PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 6,750 |
| 4/27/2017 | PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 6,000 |
| 4/28/2017 | PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 11,250 |
| 5/5/2017 | PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 10,305,000 |
| | | Total Overflows | 5 | Total Estimated Overflow Volume | 10,368,000 |
| Debris In Line/Blockage | | | | | |
| 4/17/2017 | Basement | 309 Ohio St | Town Branch | Debris | 5 |
| 5/13/2017 | SE5_891 | 3558 Juliann Cir | South Elkhorn | Debris | 450 |
| 5/30/2017 | SE2_202 | 3601 Rabbits Foot Trl | South Elkhorn | Debris | 225 |
| 6/4/2017 | NE1_356A | 1505 Auburn Ct | North Elkhorn | Debris | 425 |
| 6/14/2017 | TB4_73 | 150 Grand Blvd | Town Branch | Debris | 425 |
| 6/20/2017 | WH6_24 | 3416 Heritage Pl | West Hickman | Debris | 2,375 |
| | | Total Overflows | 6 | Total Estimated Overflow Volume | 3,905 |
| Sustained Rain Event | | | | | |
| 6/23/2017 | Basement | 205 Cochran Rd | Town Branch | Sustained Rain Event | 1,604 |
| 6/23/2017 | Basement | 209 Cochran Rd | Town Branch | Sustained Rain Event | 1,623 |
| 6/23/2017 | Basement | 216 St Ann Dr | West Hickman | Sustained Rain Event | 2,145 |
| 6/23/2017 | WR5_9 | 782 Allendale Dr | Wolf Run | Sustained Rain Event | 29,750 |
| 6/23/2017 | SE2_6137 | 3273 Blenheim Way | South Elkhorn | Sustained Rain Event | 2,500 |
| 6/23/2017 | CR4_8 | 444 Cane Run Rd | Cane Run | Sustained Rain Event | 5,050 |
| 6/23/2017 | CR4_15 | 1502 Russell Cave Rd | Cane Run | Sustained Rain Event | 5,050 |
| 6/23/2017 | EH3_377 | 3297 Featherston Dr | East Hickman | Sustained Rain Event | 7,250 |
| 6/23/2017 | WH1_51 | **3770 Forest Green Dr (Belleau Wood Park) | West Hickman | Sustained Rain Event | 11,000 |
| 6/23/2017 | WH10_2 | 769 Rainwater Dr | West Hickman | Sustained Rain Event | 10,000 |
| 6/23/2017 | WH2_181 | 3501 Laredo Dr | West Hickman | Sustained Rain Event | 15,750 |
| 6/23/2017 | WH2_419Z | 3665 Niles Ct | West Hickman | Sustained Rain Event | 10,000 |
| 6/23/2017 | WH3_144 | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 5,425 |

Table 2.3
CD Quarterly Report
Second Quarter 2017
Manhole Overflows - Sorted by Cause

| 2nd Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | |
|---|----------|--|---------------|--|-------------------------------------|
| Date | MH ID # | Address | Sewershed | Cause | Estimated Overflow Volume (gallons) |
| 6/23/2017 | WH3_148A | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 27,125 |
| 6/23/2017 | WH3_56 | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 5,425 |
| 6/23/2017 | WH3_658 | 3422 Greentree Rd | West Hickman | Sustained Rain Event | 27,250 |
| 6/23/2017 | WH5_45A | 3134 Montavesta Rd | West Hickman | Sustained Rain Event | 25,375 |
| 6/23/2017 | TB3_1137 | 250 Lewis St | Town Branch | Sustained Rain Event | 1,500 |
| 6/23/2017 | WH6_645 | 2309 The Woods Ln | West Hickman | Sustained Rain Event | 20,250 |
| 6/23/2017 | WH6_74 | **3538 Creekwood Dr | West Hickman | Sustained Rain Event | 23,250 |
| 6/23/2017 | WH7_280A | 204 St Ann Dr | West Hickman | Sustained Rain Event | 8,750 |
| 6/23/2017 | WH7_37 | 2300 Richmond Rd | West Hickman | Sustained Rain Event | 74,000 |
| 6/23/2017 | WH7_982 | 2401 Richmond Rd | West Hickman | Sustained Rain Event | 74,000 |
| 6/23/2017 | WH7_983 | 2401 Richmond Rd | West Hickman | Sustained Rain Event | 74,000 |
| 6/23/2017 | WH8_1271 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 11,000 |
| 6/23/2017 | WR2_102 | **1835 Yorktown Road (Gardenside Park) | Wolf Run | Sustained Rain Event | 52,250 |
| 6/23/2017 | WR2_319 | 1733 Traveller Rd | Wolf Run | Sustained Rain Event | 11,250 |
| 6/23/2017 | WR2_488 | **1616 Maywick View Ln (Wolf Run Park) | Wolf Run | Sustained Rain Event | 142,000 |
| 6/23/2017 | MH1A | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 11,000 |
| 6/23/2017 | MH2 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 11,000 |
| 6/23/2017 | MH3 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 11,000 |
| 6/24/2017 | Basement | 766 Sandpiper Ct | Cane Run | Sustained Rain Event | 2,272 |
| 6/24/2017 | Basement | 2063 New Orleans Dr | North Elkhorn | Sustained Rain Event | 1,032 |
| 6/24/2017 | NE1_132 | 1143 Floyd Dr | North Elkhorn | Sustained Rain Event | 159,500 |
| 6/28/2017 | Basement | 208 Catalpa Rd | Town Branch | Sustained Rain Event | 2,480 |
| 6/28/2017 | Basement | 206 Catalpa Rd | Town Branch | Sustained Rain Event | 1,565 |
| | | Total Overflows | 36 | Total Estimated Overflow Volume | 884,421 |
| | | All Causes Overflows | 47 | All Causes Total Estimated Overflow Volume | 11,256,326 |

** Address for manhole was changed to match previously reported address.

Table 2.4
CD Quarterly Report
Second Quarter 2017

vs.

Second Quarter 2016 and First Quarter 2017

| 2nd Quarter 2017 vs. 2nd Quarter 2016 and 1st Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | | |
|--|---------------------------|---------------|----------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| MH ID # | Address | Sewershed | Cause | Number of Overflows 2nd QTR 2017 | Number of Overflows 2nd QTR 2016 | Number of Overflows 1st QTR 2017 |
| Basement | 408 Delcamp Dr 1 | Cane Run | Debris | 0 | 0 | 1 |
| Basement | 223 Loch Lomond Dr | West Hickman | Debris | 0 | 0 | 1 |
| Basement | 3374 Tisdale Dr | South Elkhorn | Roots | 0 | 0 | 1 |
| Basement | 4085 Syringa Dr | South Elkhorn | Debris | 0 | 0 | 1 |
| Basement | 309 Ohio St | Town Branch | Debris | 1 | 0 | 0 |
| Basement | 205 Cochran Rd | Town Branch | Sustained Rain Event | 1 | 0 | 0 |
| Basement | 209 Cochran Rd | Town Branch | Sustained Rain Event | 1 | 0 | 0 |
| Basement | 216 St Ann Dr | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| Basement | 766 Sandpiper Ct | Cane Run | Sustained Rain Event | 1 | 0 | 0 |
| Basement | 2063 New Orleans Dr | North Elkhorn | Sustained Rain Event | 1 | 0 | 0 |
| Basement | 208 Catalpa Rd | Town Branch | Sustained Rain Event | 1 | 0 | 0 |
| Basement | 206 Catalpa Rd | Town Branch | Sustained Rain Event | 1 | 0 | 0 |
| Basement | 720 Pine Street | Town Branch | Grease | 0 | 1 | 0 |
| BC1_56 | 5355 Athens Boonesboro Rd | East Hickman | Debris | 0 | 0 | 1 |
| CR2_187 | 1888 Costigan Dr | Cane Run | Roots | 0 | 1 | 0 |
| CR3_116_CR3_115 | 205 E Loudon Ave | Cane Run | Grease | 0 | 1 | 0 |
| CR3_80_CR3_380A | 205 E Loudon Ave | Cane Run | Grease | 0 | 1 | 0 |
| CR4_12 | 444 Cane Run Rd | Cane Run | Sustained Rain Event | 0 | 0 | 2 |
| CR4_14 | 1502 Russell Cave Rd | Cane Run | Sustained Rain Event | 0 | 0 | 1 |
| CR4_15 | 1502 Russell Cave Rd | Cane Run | Sustained Rain Event | 1 | 1 | 2 |
| CR4_166 | 658 Eden Rd | Cane Run | Grease | 0 | 1 | 0 |
| CR4_8 | 444 Cane Run Rd | Cane Run | Sustained Rain Event | 1 | 0 | 2 |
| CR4_8A | 438 Cane Run Rd | Cane Run | Sustained Rain Event | 0 | 0 | 2 |
| CR6_101_CR6_100 | 712 Lancaster Ave | Cane Run | Break | 0 | 0 | 2 |
| CR6_101_CR6_100 | 716 Lancaster Ave | Cane Run | Break | 0 | 0 | 2 |
| CR6_71_CR6_70 | 530 N Limestone | Cane Run | Grease | 0 | 1 | 0 |
| CR7_300A | 1972 Alice Dr | Cane Run | Main Line Break | 0 | 1 | 0 |
| EH3_1030 | **1325 Fenwick Dr | East Hickman | Sustained Rain Event | 0 | 0 | 3 |
| EH3_190_EH3_188 | 3284 Carriage Ln | East Hickman | Grease | 0 | 1 | 0 |
| EH3_377 | 3297 Featherston Dr | East Hickman | Sustained Rain Event | 1 | 0 | 1 |
| EH4_493 | 3030 Richmond Rd | East Hickman | Grease | 0 | 0 | 1 |

Table 2.4
CD Quarterly Report
Second Quarter 2017

vs.

Second Quarter 2016 and First Quarter 2017

| 2nd Quarter 2017 vs. 2nd Quarter 2016 and 1st Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | | |
|--|-----------------------|---------------|----------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| MH ID # | Address | Sewershed | Cause | Number of Overflows 2nd QTR 2017 | Number of Overflows 2nd QTR 2016 | Number of Overflows 1st QTR 2017 |
| EH4_494 | 3030 Richmond Rd | East Hickman | Grease | 0 | 0 | 1 |
| EH6_453_EH6_17 | 3701 Todds Rd | East Hickman | Main Line Break | 0 | 1 | 0 |
| KLND_ARV3 | 3440 Versailles Rd | Wolf Run | Break | 0 | 0 | 1 |
| KLND_ARV5_WR2_654 | 3295 Versailles Rd | Wolf Run | Structural Damage^ | 0 | 1 | 0 |
| MH1A | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| MH2 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| MH3 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| NE1_100_NE1_99 | 690 E New Circle Rd | North Elkhorn | Grease | 0 | 1 | 0 |
| NE1_132 | 1143 Floyd Dr | North Elkhorn | Sustained Rain Event | 2 | 1 | 3 |
| NE1_290D_NE1_290C | 1512 Clarksdale Ct | North Elkhorn | Break | 0 | 0 | 1 |
| NE1_329 | 568 Hi Crest Dr | North Elkhorn | Roots | 0 | 0 | 1 |
| NE1_356A | 1505 Auburn Ct | North Elkhorn | Debris | 1 | 0 | 0 |
| NE2_153 | 1454 Jingle Bell Ln | North Elkhorn | Grease | 0 | 1 | 0 |
| PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 5 | 0 | 0 |
| SE1_10 | 4176 Palmetto Dr | South Elkhorn | Roots | 0 | 0 | 1 |
| SE2_126 | 900 Palomino Ln | South Elkhorn | Roots | 0 | 1 | 0 |
| SE2_202 | 3601 Rabbits Foot Trl | South Elkhorn | Debris | 1 | 0 | 0 |
| SE2_6137 | 3273 Blenheim Way | South Elkhorn | Sustained Rain Event | 1 | 0 | 0 |
| SE5_891 | 3558 Juliann Cir | South Elkhorn | Debris | 1 | 0 | 0 |
| SE7_285_SE7_284 | 3415 Saybrook Rd | South Elkhorn | Grease | 0 | 0 | 1 |
| SE7_336 | 486 Osprey Cir | South Elkhorn | Grease | 0 | 1 | 0 |
| TB2_20A | 837 De Roode St | Town Branch | Main Line Break | 0 | 1 | 0 |
| TB2_256_TB2_255 | 841 W High St | Town Branch | Debris | 0 | 1 | 0 |
| TB3_1137 | 250 Lewis St | Town Branch | Sustained Rain Event | 1 | 0 | 0 |
| TB3_235 | 190 Spruce St | Town Branch | Debris | 0 | 0 | 1 |
| TB3_991 | 302 Gunn St | Town Branch | Grease | 0 | 0 | 1 |
| TB4_248A_TB4_24B | 201 E Maxwell St | Town Branch | Roots | 0 | 1 | 0 |
| TB4_252A_TB4_253A | 365 Linden Walk | Town Branch | Grease | 0 | 1 | 0 |
| TB4_73 | 150 Grand Blvd | Town Branch | Debris | 1 | 0 | 0 |
| TB6_9 | 160 Opportunity Way | Town Branch | Debris | 0 | 0 | 1 |
| TB7_269 | 285 Masterson | Town Branch | Roots | 0 | 1 | 0 |

Table 2.4
CD Quarterly Report
Second Quarter 2017

vs.

Second Quarter 2016 and First Quarter 2017

| 2nd Quarter 2017 vs. 2nd Quarter 2016 and 1st Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | | |
|---|--|--------------|----------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| MH ID # | Address | Sewershed | Cause | Number of Overflows 2nd QTR 2017 | Number of Overflows 2nd QTR 2016 | Number of Overflows 1st QTR 2017 |
| WH1_51 | **3770 Forest Green Dr (Belleau Wood Pk) | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| WH10_2 | 769 Rainwater Dr | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| WH2_181 | 3501 Laredo Dr | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| WH2_395A | **1156 Appian Crossing Way | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH2_418 | 3661 Niles Ct | West Hickman | Sustained Rain Event | 0 | 0 | 2 |
| WH2_419Z | 3665 Niles Ct | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| WH2_477A | 1457 Stephen Foster Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH2_477A | 1457 Stephen Foster Dr | West Hickman | Grease | 0 | 1 | 0 |
| WH2_481A | 1324 Oxhill Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH2_78 | 3395 Spangler Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH3_144 | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| WH3_148A | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| WH3_171U | 3175 Kirklevington Dr | West Hickman | Grease | 0 | 1 | 0 |
| WH3_354 | 3498 Greentree Rd | West Hickman | Sustained Rain Event | 0 | 0 | 3 |
| WH3_55A | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH3_56 | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 1 | 0 | 2 |
| WH3_658 | 3422 Greentree Rd | West Hickman | Sustained Rain Event | 1 | 2 | 3 |
| WH3_658A | 3431 Sutherland Dr | West Hickman | Sustained Rain Event | 0 | 0 | 2 |
| WH5_45 | 3134 Montavesta Rd | West Hickman | Sustained Rain Event | 0 | 0 | 2 |
| WH5_45A | 3134 Montavesta Rd | West Hickman | Sustained Rain Event | 1 | 0 | 2 |
| WH5_45B | 3134 Montavesta Rd | West Hickman | Sustained Rain Event | 0 | 0 | 2 |
| WH6_100 | 3669 Barrow Wood Ln | West Hickman | Sustained Rain Event | 0 | 0 | 2 |
| WH6_101 | 3649 Barrow Wood Ln | West Hickman | Sustained Rain Event | 0 | 0 | 2 |
| WH6_102 | 3641 Barrow Wood Ln | West Hickman | Sustained Rain Event | 0 | 0 | 3 |
| WH6_102A | 3637 Barrow Wood Ln | West Hickman | Sustained Rain Event | 0 | 0 | 2 |
| WH6_103 | 3633 Barrow Wood Ln | West Hickman | Sustained Rain Event | 0 | 0 | 2 |
| WH6_104 | 3625 Barrow Wood Ln | West Hickman | Sustained Rain Event | 0 | 0 | 3 |
| WH6_24 | 3416 Heritage Pl | West Hickman | Debris | 1 | 0 | 0 |
| WH6_645 | 2309 The Woods Ln | West Hickman | Sustained Rain Event | 1 | 1 | 3 |
| WH6_74 | **3538 Creekwood Dr | West Hickman | Sustained Rain Event | 1 | 1 | 3 |
| WH6_75 | **3540 Creekwood Dr (Chinoo Creek Apts) | West Hickman | Sustained Rain Event | 0 | 0 | 3 |

Table 2.4
CD Quarterly Report
Second Quarter 2017

vs.

Second Quarter 2016 and First Quarter 2017

| 2nd Quarter 2017 vs. 2nd Quarter 2016 and 1st Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | | |
|--|---|--------------|----------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| MH ID # | Address | Sewershed | Cause | Number of Overflows 2nd QTR 2017 | Number of Overflows 2nd QTR 2016 | Number of Overflows 1st QTR 2017 |
| WH6_98 | **3544 Creekwood Dr (Chinoo Creek Apts) | West Hickman | Sustained Rain Event | 0 | 0 | 3 |
| WH7_280A | 204 St Ann Dr | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| WH7_37 | 2300 Richmond Rd | West Hickman | Sustained Rain Event | 1 | 0 | 4 |
| WH7_977 | 2300 Richmond Road | West Hickman | Sustained Rain Event | 0 | 1 | 0 |
| WH7_982 | 2401 Richmond Rd | West Hickman | Sustained Rain Event | 1 | 1 | 4 |
| WH7_983 | 2401 Richmond Rd | West Hickman | Sustained Rain Event | 1 | 1 | 4 |
| WH8_1271 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 1 | 0 | 0 |
| WH9_5 | 645 W Hickman Plant Rd | West Hickman | Debris | 0 | 0 | 1 |
| WR1_248B | 2064 Deauville Dr | Wolf Run | Sustained Rain Event | 0 | 1 | 0 |
| WR2_101A | 1835 Yorktown Rd | Wolf Run | Sustained Rain Event | 0 | 0 | 1 |
| WR2_102 | **1835 Yorktown Road (Gardenside Park) | Wolf Run | Sustained Rain Event | 1 | 0 | 1 |
| WR2_319 | 1733 Traveller Rd | Wolf Run | Sustained Rain Event | 1 | 0 | 1 |
| WR2_393 | **2401 Williamsburg Estates | Wolf Run | Sustained Rain Event | 0 | 0 | 2 |
| WR2_488 | **1616 Maywick View Ln (Wolf Run Park) | Wolf Run | Sustained Rain Event | 1 | 0 | 2 |
| WR2_566 | **2401 Williamsburg Estates | Wolf Run | Sustained Rain Event | 0 | 0 | 1 |
| WR2_91 | **1616 Maywick View Ln (Wolf Run Park) | Wolf Run | Sustained Rain Event | 0 | 0 | 2 |
| WR3_308 | 1853 Normandy Rd | Wolf Run | Sustained Rain Event | 0 | 0 | 1 |
| WR5_9 | 782 Allendale Dr | Wolf Run | Sustained Rain Event | 1 | 0 | 0 |
| WR6_64_WR6_63 | 220 Conn Terrace | Wolf Run | Grease | 0 | 1 | 0 |
| WR7_209 | 2220 Nicholasville Rd | Wolf Run | Debris | 0 | 0 | 1 |
| Total Number of Overflows Per Respective Qtr. | | | | 47 | 32 | 109 |
| Total Estimated Vol. (gal.) of Overflows Per Respective Qtr. | | | | 11,256,326 | 327,676 | 6,635,571 |

** Address for manhole was changed to reflect the official address on the Wet Weather SSO Monitoring List and/or previously reported address.

^ The force main was damaged by a non-LFUCG contractor.

Table 2.5
CD Quarterly Report
Second Quarter 2017
Pump Station Overflows/Bypasses

| 2nd Quarter 2017 Sanitary Sewer Overflows/Bypasses (Pump Stations) | | | | | | | | |
|---|---------------------|--------------------|------------------------|-----------------|----------------------|--|----------------|----------------|
| Date | Bypass/ Overflow | Pump Station Name | Address | Sewershed | Cause | Estimated Overflow Volume (gallons) | Appendix A* | RMP Project |
| 4/26/2017 | Bypass | East Lake | 1326 Fenwick Rd | East Hickman | Mechanical Failure | 58,076 | 87 | EH-11 |
| 5/5/2017 | Bypass | Lower Cane Run | 1760 McGrathiana Pkwy | Cane Run | Mechanical Failure | 1,378,152 | 84 | CR-1 |
| 5/12/2017 | Overflow | East Lake | 1326 Fenwick Rd | East Hickman | Sustained Rain Event | 1,208,391 | 87 | EH-11 |
| 5/25/2017 | Overflow | East Lake | 1326 Fenwick Rd | East Hickman | Sustained Rain Event | 340,477 | 87 | EH-11 |
| 5/27/2017 | Overflow | Sharon Village | 1985 Haggard Ct | Cane Run | Sustained Rain Event | 4,396 | 90 | CR-8 |
| 5/27/2017 | Overflow | Thoroughbred Acres | 619 Parkside Dr | Cane Run | Sustained Rain Event | 359,661 | 13 | CR-5 |
| 6/13/2017 | Bypass | Town Branch | 335 Jimmie Campbell Dr | Town Branch | Lack of Capacity | 2,216 | 107 | TB-2 |
| 6/13/2017 | Bypass | Winburn | 1985 Russell Cave Rd | Cane Run | Power Failure | 7,456 | 15 | CR-6 |
| 6/23/2017 | Overflow | Armstrong Mill | 2755 Armstrong Mill Rd | East Hickman | Sustained Rain Event | 36,231 | 23 | EH-8 |
| 6/23/2017 | Overflow | East Hickman | 3316 Buckhorn Dr | East Hickman | Sustained Rain Event | 553,500 | 19 | EH-3 |
| 6/23/2017 | Overflow | East Lake | 1326 Fenwick Rd | East Hickman | Sustained Rain Event | 487,468 | 87 | EH-11 |
| 6/23/2017 | Bypass | Electronics Park | 609 Bizzell Dr | Town Branch | Sustained Rain Event | 11,408 | - | - |
| 6/23/2017 | Overflow | Greenbrier #2 | 3592 Winchester Rd | North Elkhorn | Sustained Rain Event | 19,196 | 89 | NE-4 |
| 6/23/2017 | Bypass | Mint Lane | 1510 Man O War | South Elkhorn | Mechanical Failure | 76,557 | 85 | SE-3 |
| 6/23/2017 | Overflow | Shadeland | 857 Glendover Rd | West Hickman | Sustained Rain Event | 7,885 | 86 | WH-8 |
| 6/23/2017 | Bypass | Shandon Park #1 | 2330 Pierson Dr | Cane Run | Sustained Rain Event | 12,303 | - | CR-5 |
| 6/23/2017 | Overflow | Shandon Park #2 | 765 Kingston Dr | Cane Run | Sustained Rain Event | 162,552 | 14 | CR-5 |
| 6/23/2017 | Overflow | Sharon Village | 1985 Haggard Ct | Cane Run | Sustained Rain Event | 102,549 | 90 | CR-8 |
| 6/23/2017 | Bypass | South Elkhorn | 2500 Bowman Mill Rd | South Elkhorn | Sustained Rain Event | 548,941 | 1 | SE-1 |
| 6/23/2017 | Bypass | St. Martins | 961 St. Martins Ave | Town Branch | Sustained Rain Event | 307 | - | - |
| 6/23/2017 | Overflow | Thoroughbred Acres | 619 Parkside Dr | Cane Run | Sustained Rain Event | 555,776 | 13 | CR-5 |
| 6/23/2017 | Overflow | Town Branch | 335 Jimmie Campbell Dr | Town Branch | Sustained Rain Event | 30,784 | 107 | TB-2 |
| 6/23/2017 | Overflow | Winburn | 1985 Russell Cave Rd | Cane Run | Sustained Rain Event | 45,198 | 13 | CR-5 |
| | | | | Total Overflows | 23 | Total Estimated Overflow/ Bypass Volume | 6,009,480 | |

* Appendix A refers to Appendix A of the Consent Decree which lists the locations of recurring SSOs and unpermitted discharges.

Table 2.6
CD Quarterly Report
Second Quarter 2017

vs.

Second Quarter 2016 and First Quarter 2017
Pump Stations

| 2nd Quarter 2017 Sanitary Sewer Overflows/Bypasses vs. 2nd Quarter 2016 and 1st Quarter 2017 Sanitary Sewer Overflows/Bypasses (Pump Stations) | | | | | | | |
|---|------------------------|---------------|----------------------------------|---------------------|---|---|---|
| Pump Station Name | Address | Sewershed | Cause | Bypass/ Overflow | Number of Overflows/ Bypasses 2nd QTR 17 | Number of Overflows/ Bypasses 2nd QTR 16 | Number of Overflows/ Bypasses 1st QTR 17 |
| Armstrong Mill | 2755 Armstrong Mill Rd | East Hickman | Sustained Rain Event | Overflow | 1 | 0 | 0 |
| East Hickman | 3316 Buckhorn Dr | East Hickman | Sustained Rain Event | Overflow | 1 | 0 | 0 |
| East Lake | 1326 Fenwick Rd | East Hickman | Sustained Rain Event | Overflow | 3 | 5 | 8 |
| East Lake | 1326 Fenwick Rd | East Hickman | Mechanical Failure | Bypass | 1 | 0 | 0 |
| Electronics Park | 609 Bizzell Dr | Town Branch | Sustained Rain Event | Bypass | 1 | 0 | 0 |
| Greenbrier #2 | 3592 Winchester Rd | North Elkhorn | Sustained Rain Event | Overflow | 1 | 0 | 0 |
| Lower Cane Run | 1760 McGrathiana Pkwy | Cane Run | Sustained Rain Event | Overflow | 0 | 1 | 2 |
| Lower Cane Run | 1760 McGrathiana Pkwy | Cane Run | Mechanical Failure | Bypass | 1 | 0 | 0 |
| Mint Lane | 1510 Man O War | South Elkhorn | Mechanical Failure | Bypass | 1 | 0 | 0 |
| Shadeland | 857 Glendover Rd | West Hickman | Sustained Rain Event | Overflow | 1 | 0 | 0 |
| Shandon Park #1 | 2330 Pierson Dr | Cane Run | Sustained Rain Event | Bypass | 1 | 0 | 0 |
| Shandon Park #2 | 765 Kingston Dr | Cane Run | Sustained Rain Event | Overflow | 1 | 0 | 1 |
| Sharon Village | 1985 Haggard Ct | Cane Run | Sustained Rain Event | Overflow | 2 | 1 | 2 |
| Sharon Village | 1985 Haggard Ct | Cane Run | Mechanical Failure | Bypass | 0 | 0 | 1 |
| South Elkhorn | 2500 Bowman Mill Rd | South Elkhorn | Sustained Rain Event | Bypass | 1 | 0 | 0 |
| St. Martins | 961 St. Martins Ave | Town Branch | Sustained Rain Event | Bypass | 1 | 0 | 0 |
| Thoroughbred Acres | 619 Parkside Dr | Cane Run | Sustained Rain Event | Overflow | 2 | 2 | 2 |
| Town Branch | 335 Jimmie Campbell Dr | Town Branch | Lack of Capacity | Bypass | 1 | 0 | 0 |
| Town Branch | 335 Jimmie Campbell Dr | Town Branch | Sustained Rain Event | Overflow | 1 | 0 | 0 |
| Winburn | 1985 Russell Cave Rd | Cane Run | Sustained Rain Event | Overflow | 1 | 2 | 0 |
| Winburn | 1985 Russell Cave Rd | Cane Run | Power/Control/Mechanical Failure | Bypass | 1 | 1 | 0 |
| Total Number of Overflow(s)/Bypass(es) Per Respective Quarter | | | | | 23 | 12 | 16 |
| Total Estimated Overflow/Bypass Vol. (gal.) | | | | | 6,009,480 | 6,108,940 | 8,888,141 |

Table 2.7
CD Quarterly Report
Second Quarter 2017
WWTP Unpermitted Bypasses

| 2nd Quarter 2017 Unpermitted Bypasses WWTP | | | | |
|---|-------------------|------------------------|--------------------------------------|--------------------------------------|
| Date | Facility Name | Address | Cause | *Estimated Overflow Volume (gallons) |
| 6/23/2017 | West Hickman WWTP | 645 W Hickman Plant Rd | Sustained Rain Event | 60,000 |
| | | | Total Number of Unpermitted Bypasses | 1 |
| | | | Total Estimated Bypass Volume | 60,000 |

* The estimated overflow volume is the summation of overflows occurring at the following locations: WH1_1031, WH1_1032, WH1_1033, and SP WH 10.

Section III
CD Quarterly Report
Second Quarter 2017
July 27, 2017

CD Language:

X. REPORTING REQUIREMENTS AND APPROVAL OF SUBMITTALS

29. Reports.

A. Quarterly Reports.

(iii) The anticipated projects and activities that will be performed in the next quarter to comply with the requirements of this Consent Decree, in Gantt chart or similar format.

LFUCG's Response:

The following table provides information on projects and activities anticipated in the next calendar quarter related to the sanitary sewer system. Table 3.1 highlights activities related to the Remedial Measures Plans and the Capacity, Management, Operation and Maintenance Programs.

**Table 3.1
CD Quarterly Report
Second Quarter 2017**

| Consent Decree Section Number | Task | Work Anticipated to be Completed – Third Quarter (July 1, 2017 – September 30, 2017) | |
|--|--|---|---|
| Sanitary Sewer System and WWTP Remedial Measures Plan (RMP) | | | |
| VII(15)(G) | Group 1 – Sanitary Sewer System and WWTP RMP (EH, WH, WR) | The EPA and KDEP issued a full approval of the RMPs, including Implementation Schedule dated February 12, 2016, on March 18, 2016. | |
| | Group 2 – Sanitary Sewer System and WWTP RMP (TB, CR) | | |
| | Group 3 – Sanitary Sewer System and WWTP RMP (NE, SE) | | |
| VII(15)(G)(viii) | Sanitary Sewer System and WWTP RMP Implementation – Project Status | <p>The following projects are anticipated to be in the design phase during the third quarter of 2017:</p> <ul style="list-style-type: none"> • CR-5 Shandon Park Trunks • CR-6 Winburn Trunk • CR-7 Thoroughbred Acres Trunk • EH-2 East Hickman Pump Station • EH-3 East Hickman Wet Weather Storage Tank • EH-11 Eliminate East Lake Pump Station • TB-6 UK Trunk C • TB-7 UK Trunk D • TB-10 Midland Avenue Trunk, Phase 1 (TBC) • TB-11 WWTP-7 Gravity Thickeners • TB-11 WWTP-10 Primary Digesters • WH-5 Lansdowne South Trunk • WH-6 West Hickman Main Trunk D • WH-21 WWTP-13 Waste Sludge Holding • WH-21 WWTP-17 Scum Facility • WR-2 Wolf Run Main Trunk B • WR-3 Wolf Run Main Trunk C | <p>The following projects are anticipated to be under construction during the third quarter of 2017:</p> <ul style="list-style-type: none"> • CR-1 Lower Cane Run Wet Weather Storage Tank • CR-2 Expansion Area 3 Pump Station • CR-3 Expansion Area 3 Force Main • CR-4 Expansion Area 3 Trunk • CR-9 Lower Griffin Gate Trunk • SE-1 South Elkhorn Pump Station Upsize • TB-11 WWTP-2 Primary Clarifier Equipment • WH-1 WH7 Wet Weather Storage Tank • WH-3 West Hickman Main Trunk B • WH-4 West Hickman Main Trunk C • WH-20 West Hickman WWTP Wet Weather Storage Tank • WH-21 WWTP-1 Influent Pump Station (with WH-20) • WH-21 WWTP-2 Raw Sewage Pump Station (with WH-20) • WH-21 WWTP-3 Leaping Weir (with WH-20) • WH-21 WWTP-6 Zone 2 Aeration, Phase 2 • WH-21 WWTP-7 Clarifier Flow Distribution • WH-21 WWTP-18 Non-potable Water System (with WH-20) • WH-21 WWTP-20 Odor Control Facilities, Phase 2 (with WH-20) |

Table 3.1
CD Quarterly Report
Second Quarter 2017

| <i>Consent Decree Section Number</i> | <i>Task</i> | <i>Work Anticipated to be Completed – Third Quarter (July 1, 2017 – September 30, 2017)</i> |
|--|---|--|
| Capacity, Management, Operation and Maintenance (CMOM) Programs | | |
| VII(16) | CMOM Programs Self-Assessment | <p>The CMOM Programs Self-Assessment, dated June 2011, was approved by the EPA and Kentucky EEC on August 17, 2012, without further comment.</p> <ul style="list-style-type: none"> • Work anticipated to be completed during the third quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ All CMOM elements associated with the CMOM Self-Assessment have been initiated for implementation; therefore, LFUCG will continue to implement and evaluate the CMOM Self-Assessment elements during the third quarter of 2017. |
| VII(16)(A) | Sewer Overflow Response Plan (SORP) | <p>The SORP, dated July 2011, was approved by the EPA and Kentucky EEC on August 17, 2012, without further comment.</p> <ul style="list-style-type: none"> • Work anticipated to be completed during the third quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ All CMOM elements associated with the SORP have been initiated for implementation; therefore, LFUCG will continue to implement and evaluate the SORP elements during the third quarter of 2017. |
| VII(16)(B) | System Capacity Assurance Program (CAP) | <p>The CAP, dated March 2014, was approved by the EPA and Kentucky EEC on July 3, 2014.</p> <ul style="list-style-type: none"> • Work anticipated to be completed during the third quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Begin analysis of collected rainfall and flow data collected during 2017 monitoring season, including verification of model calibration and recalibration, as needed. ○ Review smoke testing results from the North Elkhorn sewershed and prepare a Technical Memorandum summarizing findings and recommendations. ○ Complete annual Technical Memorandum summarizing results from 2016 temporary flow monitoring and model recalibration/verification (including incorporation of completed sewer system improvements). ○ Continue CAP implementation by reviewing/processing capacity requests for flow increases to the LFUCG sewer system in accordance with the System Capacity Assurance Program Plan. ○ Continue to provide modeling support during design of RMP projects and update the model for other non-RMP sewer improvements completed by LFUCG. ○ Continue to harvest earned credits from sewer improvements completed by LFUCG in 3Q17. ○ Perform minor enhancements/maintenance of the Credit Tracking Information Management System (CTIMS) software, as needed. ○ All CMOM elements associated with the CAP have been initiated for implementation; therefore, LFUCG will continue to implement and evaluate the CAP elements during the third quarter of 2017. |

Table 3.1
CD Quarterly Report
Second Quarter 2017

| <i>Consent Decree Section Number</i> | <i>Task</i> | <i>Work Anticipated to be Completed – Third Quarter (July 1, 2017 – September 30, 2017)</i> |
|--|--|--|
| VII(16)(C) | Fats, Oils, and Grease (FOG) Control Program | <p>The FOG Control Program, dated December 2011, was approved by the EPA and Kentucky EEC on August 17, 2012, with comment.</p> <ul style="list-style-type: none"> • Work anticipated to be completed during the third quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Continue work with the Lexington-Fayette County Health Department (LFCHD) to incorporate FOG training services in Food Manager Certification Classes. ○ Continue FOG permit application review and permit issuance. ○ Continue routine inspections of Food Service Establishments (FSEs) based on risk ranking. ○ Continue distribution of residential FOG brochures to apartment complexes. ○ All CMOM elements associated with the FOG Control Program have been initiated for implementation; therefore, LFUCG will continue to implement and evaluate the FOG Control Program elements during the third quarter of 2017. |
| VII(16)(D) | Gravity Line Preventative Maintenance Program (GLPMP) | <p>The GLPMP, dated December 2011, was approved by the EPA and Kentucky EEC on August 17, 2012, with comment.</p> <ul style="list-style-type: none"> • Work anticipated to be completed during the third quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Continue an internal review of the preventative maintenance (PM) list's protocols and procedures. ○ All CMOM elements associated with the GLPMP have been initiated for implementation; therefore, LFUCG will continue to implement and evaluate the GLPMP elements during the third quarter of 2017. |
| VII(16)(E) | Pump Station Operation Plan for Power Outages (PSOPPO) | <p>The PSOPPO, dated September 2012, was approved by the EPA and Kentucky EEC on October 3, 2013.</p> <ul style="list-style-type: none"> • Work anticipated to be completed during the third quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ All CMOM elements associated with the PSOPPO have been initiated for implementation; therefore, LFUCG will continue to implement and evaluate the PSOPPO elements during the third quarter of 2017. |

The following table provides information on projects and activities anticipated in the next calendar quarter related to the storm sewer system. Table 3.2 highlights various Stormwater Quality Management Program activities anticipated for the next quarter.

Table 3.2
CD Quarterly Report
Second Quarter 2017
Stormwater Quality Management Program
Activities Anticipated for the Third Quarter 2017

| | |
|----|---|
| 1. | Performance Standards – LFUCG will continue implementing recurring Performance Standards. |
| 2. | Stormwater Quality Management Program – LFUCG will continue implementing the <u>Stormwater Quality Management Program</u> , dated June 1, 2016. |
| 3. | Water Quality Management Fee Implementation – Ongoing Stormwater Quality Projects Incentive Grant Program grants will continue and will be completed as scheduled. Any executed grant award agreements will be forwarded to the Urban County Council for approval. Anticipated future meeting dates of the Water Quality Fees Board are July 13, 2017, and October 12, 2017. The main topic for the July meeting will be the selection of Class A and Class B Education grant recipients. FY 2018 applications for Class B Infrastructure grants will be due in July. |
| 4. | <p>Public Education and Outreach –</p> <ul style="list-style-type: none"> • LFUCG will update its website about the stormwater program. • The database of people wanting to receive information from DWQ by email will continue to be updated. • LFUCG will continue to develop and publish success stories. • LFUCG Department of Environmental Quality & Public Works staff will attend events to promote the stormwater and water quality program. • LFUCG will continue to air its stormwater videos. |

| | |
|-----|--|
| 5. | <p>Public Involvement and Participation –</p> <ul style="list-style-type: none"> • Volunteer service opportunities will continue to be facilitated by LFUCG during the third quarter. • Storm drain stenciling will continue. • The Stormwater Stakeholder Advisory Committee will continue meeting. |
| 6. | <p>Illicit Discharge Detection and Elimination – IDDE investigations will continue and staff will continue sending educational information to residents and responsible parties of illicit discharges. Dry Weather Screening will continue during the third quarter. The Visual Stream Assessment of South Elkhorn will take place during the third quarter.</p> |
| 7. | <p>Construction Site Stormwater Runoff Control – Monthly active construction site inspections and targeted inspections will continue.</p> |
| 8. | <p>Post-Construction Stormwater Management in New Development and Redevelopment – Inspections of detention basins, retention ponds, stormwater control devices, and critical culverts will continue. LFUCG will continue to coordinate with property owners to ensure maintenance of stormwater control devices, and will continue to conduct initial stormwater quality BMP inspections for additions to the inventory, as sites become known to DWQ staff.</p> |
| 9. | <p>Pollution Prevention for Municipal Operations – LFUCG will continue quarterly inspections and maintenance of city-owned Suntree units, Stormceptors, and other water quality control devices. LFUCG will continue a quarterly highlight of a Greenworks Guide on its intranet during the third quarter.</p> <p>Litter and woody debris removal will continue in streams, drainageways, and public right-of-way areas adjacent to the stormwater collection system.</p> |
| 10. | <p>Industrial Facility Stormwater Pollution Prevention – The inventory of industrial facilities and high-risk commercial facilities will continue to be updated and inspections of facilities will continue. An educational video based on BMPs relevant to industrial and high-risk facilities will be filmed during the third quarter. LFUCG will continue evaluating unclassified sites, landscaping companies, and automobile maintenance facilities for possible inclusion on the inventory of high-risk commercial facilities.</p> |

| | |
|-----|--|
| 11. | Water Quality Monitoring – Permit-required monitoring will continue. Phase 2 Field Screening activities, Stream Corridor Characterizations, and Stream Biological collections will continue in Cane Run for the Watershed-Focused Monitoring Program during the third quarter. Training for volunteers interested in monitoring the South Elkhorn watershed will take place in August and Phase 1 Screening will begin during the third quarter. |
| 12. | Reporting and Recordkeeping – Ongoing recordkeeping will continue. |
| 13. | TMDLs and Impaired Waters – Staff, with input from the SSAC, will continue to prioritize the list of BMPs that will be proposed for implementation. |

Table 3.3 provides information on anticipated progress in the next calendar quarter related to the implementation of the Supplemental and Commonwealth Environmental Projects required by the Consent Decree.

Table 3.3
CD Quarterly Report
Second Quarter 2017
Supplemental and Commonwealth Environmental Projects
Progress Anticipated for the Third Quarter 2017

| | |
|-----|---|
| J-1 | Coldstream Park Stream Corridor Restoration and Preservation SEP – The contractor will continue grading and earthwork on the wetlands and stream during the third quarter. |
| J-2 | Green Infrastructure SEP – LFUCG is assuming this SEP is complete unless directed otherwise by the EPA. |
| K-1 | Blue Sky Package Treatment Plant Elimination Project – Complete. |
| K-2 | <p>Flooding Evaluation Project –</p> <p>Demolition of 1653 Gayle Drive to be completed, which will complete the Ft. Sumter / Gayle Drive Priority project.</p> <p>Right-of-way acquisition to be completed and permitting and utility coordination to commence for the Wilson Downing Tributary project.</p> <p>Investigation and design, surveying, and H&H modeling to continue on the Southland stormwater project.</p> <p>LFUCG will begin analyzing the viability of the next three projects on the priority list.</p> |

Section IV
CD Quarterly Report
Second Quarter 2017
July 27, 2017

CD Language:

X. REPORTING REQUIREMENTS AND APPROVAL OF SUBMITTALS

29. Reports.

A. Quarterly Reports.

(iv) If LFUCG violates any requirement of this Consent Decree or has reason to believe that it is likely to violate any requirement of this Consent Decree in the future, LFUCG shall notify the United States and EPPC of such violation and its likely duration, with an explanation of the violation's likely cause and of the remedial steps taken, and/or to be taken, to prevent or minimize such violation. If the cause of a violation cannot be fully explained at the time the report is due, LFUCG shall include a statement to that effect in the report. LFUCG shall investigate to determine the cause of the violation and then shall submit an amendment to the report, including a full explanation of the cause of the violation, within thirty (30) days after the quarterly report.

LFUCG's Response:

LFUCG has not violated any requirement or deadline associated with the Consent Decree during this past quarter; however, LFUCG anticipates missing the deadline for an RMP project scheduled for completion by the end of 2018.

Town Branch WWTP Primary Digesters

The project to upgrade the Town Branch WWTP primary digesters is a component of RMP Project TB-11 (Town Branch WWTP Reliability Upgrades) detailed in the RMP Group 2 submittal in April 2012. According to the approved WWTP Reliability Upgrade Projects schedule dated February 2016, this project is to be functionally operational by December 31, 2018. At this time, the projected completion date for the upgrade of the primary digesters is October 31, 2019, which will be approximately 10 months past the deadline. The reason for the completion delay is provided below.

TB WWTP has three (3) primary digesters using equipment that is over 25 years old. The concrete structures associated with the digesters are in good condition; however, the digester equipment needs to be replaced to ensure functionality. The original primary digester upgrade

project components included replacement of the digester covers, mixing systems, boilers, heat exchangers, and waste gas flare.

During preliminary design discussions, it became apparent that the scope of the project needed to be significantly expanded in order to meet the requirements of NFPA 820 (Standard for Fire Protection in Wastewater Treatment and Collection Facilities, published by National Fire Protection Association), which came into effect after construction of the existing primary digester complex. The existing primary digester complex was completed in 1989 and NFPA 820 was published in 1990. NFPA 820 will require the relocation of air supply equipment, the separation of non-hazardous and hazardous classified areas, the isolation of digester gas handling equipment, and the relocation of the boilers.

At this point, the project design is anticipated to be complete by October 2017 and construction is expected to take 24 months. The expanded project design scope described above will also lengthen the original project construction schedule due to the additional work required to meet NFPA 820, the necessary equipment procurement lead times, and a more complex rehabilitation of the primary digester covers.

In summary, all the improvements associated with this project are anticipated to be complete by October 31, 2019. No recurring SSOs are anticipated to be impacted by the delay in completion of this project.

Section V
CD Quarterly Report
Second Quarter 2017
July 27, 2017

CD Language:

X. REPORTING REQUIREMENTS AND APPROVAL OF SUBMITTALS

29. Reports.

A. Quarterly Reports.

(v) Any additional information that demonstrates that LFUCG is implementing the remedial measures required in this Consent Decree.

LFUCG's Response:

The following table lists the items that have been submitted to EPA and EEC, the date submitted, and the current approval status, if applicable.

Table 5.1
CD Quarterly Report
Second Quarter 2017
Consent Decree Deliverables
Submitted as of July 27, 2017

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|---|-----------------------|---|
| Notification of WWTP Backup Power Installation/Completion | 2008-Mar-31 | N/A |
| SSA Work Plan | 2008-Jun-09 | EPA/EEC review complete – 2012-Aug-17 Certified Letter No. 70101060000217059186 |

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|--|----------------|--|
| Hydraulic Model Report | 2008-Jul-08 | EPA/EEC review complete – 2012-Aug-17 Certified Letter No. 70101060000217059186 |
| Notification of Appendix F Cross Connections Eliminated | 2008-Jul-09 | N/A |
| Sewer Overflow Response Plan (initial submittal) | 2008-Jul-25 | EPA/EEC informal comments – 2011-Mar-17 Certified Letter No. 70101060000217047404; LFUCG resubmitted |
| CMOM Programs Self-Assessment (initial submittal) | 2008-Aug-26 | EPA/EEC informal comments – 2010-Dec-6 Certified Letter No. 70052570000148867697; LFUCG resubmitted |
| Capacity Assessment Work Plan | 2008-Sep-09 | EPA/EEC review complete – 2012-Aug-17 Certified Letter No. 70101060000217059186 |
| 2008 Annual Report | 2009-Jan-29 | N/A |
| Notification of Pump Station Design, Capacity, and Equipment Condition Adequacy Evaluation Report Completion | 2009-Mar-07 | N/A |
| First Quarter 2009 Quarterly Report | 2009-Apr-29 | N/A |
| Pump Station Operation Plan for Power Outages (initial submittal) | 2009-May-14 | EPA/EEC informal comments – 2011-Mar-17 Certified Letter No. 70101060000217047404; LFUCG resubmitted |
| Second Quarter 2009 Quarterly Report | 2009-Jul-29 | N/A |

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|---|-------------------------------------|--|
| Fats, Oils, and Grease Control Program (initial submittal) | 2009-Aug-10 | EPA/EEC informal comments – 2011-Mar-17 Certified Letter No. 70101060000217047404; LFUCG resubmitted |
| Gravity Line Preventative Maintenance Program (initial submittal) | 2009-Aug-13 | EPA/EEC informal comments – 2011-Mar-17 Certified Letter No. 70101060000217047404; LFUCG resubmitted |
| North Elkhorn Force Main Diversion Project | 2009-Oct-29 via quarterly report | N/A |
| Third Quarter 2009 Quarterly Report | 2009-Oct-29 | N/A |
| Fourth Quarter 2009 Quarterly Report | 2010-Jan-28 | N/A |
| 2009 Annual Report | 2010-Jan-28 | N/A |
| First Quarter 2010 Quarterly Report | 2010-Apr-29 | N/A |
| MS4 Permit Annual Report for 2009 (Fiscal Year 2009 – Calendar Year 2009) | 2010-Jul-14 | N/A |
| Second Quarter 2010 Quarterly Report | 2010-Jul-23 | N/A |
| South Elkhorn Pump Station and Force Main Upgrade | 2010-Oct-28 via quarterly report | N/A |
| Third Quarter 2010 Quarterly Report | 2010-Oct-28 | N/A |
| Fourth Quarter 2010 Quarterly Report | 2011-Jan-28 | N/A |
| 2010 Annual Report | 2011-Jan-28 | N/A |

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|--|----------------------------------|--|
| SSA Group 1 Report | 2011-Apr-12 | EPA/EEC comments – 2011-Oct-14 Certified Letter No. 70101060000217055027; LFUCG response dated 2011-Nov-18 |
| First Quarter 2011 Quarterly Report | 2011-Apr-29 | N/A |
| Sewer Overflow Response Plan (second submittal) | 2011-Jun-29 | EPA/EEC approved without further comment – 2012-Aug-17 Certified Letter No. 70101060000217059186 |
| CMOM Programs Self-Assessment (second submittal) | 2011-Jul-01 | EPA/EEC approved without further comment – 2012-Aug-17 Certified Letter No. 70101060000217059186 |
| MS4 Permit Annual Report for Calendar Year 2010 | 2011-Jul-14 | N/A |
| List of Future Authorized Connections | 2011-Jul-21 via quarterly report | N/A |
| Second Quarter 2011 Quarterly Report | 2011-Jul-21 | N/A |
| Pump Station Operation Plan for Power Outages (second submittal) | 2011-Sep-30 | EPA/EEC comments – 2012-Aug-17 Certified Letter No. 70101060000217059186; LFUCG resubmitted |

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|--|----------------|--|
| RMP Group 1 | 2011-Oct-12 | <p>EPA/EEC approved with the exception of the proposed implementation schedule – 2014-Nov-18 Certified Letter No. 70121010000207596533</p> <p><u>First Material Modification to Consent Decree</u> filed 2015-Jul-9 approves June 2014 overall implementation schedule</p> <p>EPA/EEC full approval of the RMPs including the project implementation schedule dated Feb 2016 – 2016-Mar-18 Certified Letter No. 70151730000180442722</p> |
| SSA Group 2 Report | 2011-Oct-13 | No formal comments received from EPA/EEC |
| Third Quarter 2011 Quarterly Report | 2011-Oct-27 | N/A |
| Fats, Oils, and Grease Control Program (second submittal) | 2011-Dec-16 | EPA/EEC approved with comment – 2012-Aug-17 Certified Letter No. 70101060000217059186 |
| Gravity Line Preventative Maintenance Program (second submittal) | 2011-Dec-19 | EPA/EEC approved with comment – 2012-Aug-17 Certified Letter No. 70101060000217059186 |
| Fourth Quarter 2011 Quarterly Report | 2012-Jan-27 | N/A |
| 2011 Annual Report | 2012-Jan-30 | N/A |

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|---|-------------------------------------|--|
| SSA Group 3 Report | 2012-Apr-12 | No formal comments received from EPA/EEC |
| RMP Group 2 | 2012-Apr-13 | <p>EPA/EEC approved with the exception of the proposed implementation schedule – 2014-Nov-18 Certified Letter No. 70121010000207596533</p> <p><u>First Material Modification to Consent Decree</u> filed 2015-Jul-9 approves June 2014 overall implementation schedule</p> <p>EPA/EEC full approval of the RMPs including the project implementation schedule dated Feb 2016 – 2016-Mar-18 Certified Letter No. 70151730000180442722</p> |
| Deep Springs Pump Station Upgrade | 2012-Apr-27 via quarterly report | N/A |
| Dixie Pump Station Upgrade | 2012-Apr-27 via quarterly report | N/A |
| First Quarter 2012 Quarterly Report | 2012-Apr-27 | N/A |
| Appendix J-2 SEP Completion Report | 2012-Jun-29 | Under EPA/EEC Review |
| MS4 Permit Annual Report for Calendar Year 2011 | 2012-Jul-13 | N/A |
| Second Quarter 2012 Quarterly Report | 2012-Jul-20 | N/A |

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|---|-------------------------------------|--|
| Pump Station Operation Plan for Power Outages (third submittal) | 2012-Sep-19 | EPA/EEC approved – 2013-Oct-3 Certified Letter No. 70101670000225534553 |
| RMP Group 3 | 2012-Oct-11 | EPA/EEC approved with the exception of the proposed implementation schedule – 2014-Nov-18 Certified Letter No. 70121010000207596533 <u>First Material Modification to Consent Decree</u> filed 2015-Jul-9 approves June 2014 overall implementation schedule EPA/EEC full approval of the RMPs including the project implementation schedule dated Feb 2016 – 2016-Mar-18 Certified Letter No. 70151730000180442722 |
| SORP – Implementation Commenced | 2012-Oct-29 via quarterly report | N/A |
| Third Quarter 2012 Quarterly Report | 2012-Oct-29 | N/A |
| System Capacity Assurance Program (initial submittal) | 2012-Dec-21 | EPA/EEC comments – 2014-Feb-12 Certified Letter No. 70123460000308919960; LFUCG resubmitted |
| Appendix J-1 SEP Coldstream Park Greenway Plan | 2012-Dec-21 | No formal comments received from EPA/EEC |

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|---|--|--|
| Fourth Quarter 2012 Quarterly Report | 2013-Jan-29 | N/A |
| 2012 Annual Report | 2013-Jan-30 | N/A |
| First Quarter 2013 Quarterly Report | 2013-Apr-29 | N/A |
| MS4 Permit Annual Report for Calendar Year 2012 | 2013-Jul-12 | N/A |
| Second Quarter 2013 Quarterly Report | 2013-Jul-29 | N/A |
| SORP 2013 Update | 2013-Oct-14 | Under EPA/EEC Review |
| Third Quarter 2013 Quarterly Report | 2013-Oct-29 | N/A |
| Fourth Quarter 2013 Quarterly Report | 2014-Jan-29 | N/A |
| 2013 Annual Report | 2014-Jan-30 | N/A |
| RMP Revisions | 2014-Mar-14 | N/A |
| System Capacity Assurance Program (second submittal) | 2014-Mar-14 | EPA/EEC approved – 2014-Jul-3 Certified Letter No. 70101060000217039041 |
| FOG Program – Implementation | 2014-Apr-29 via quarterly report | N/A |
| GLPM Program – Implementation | 2014-Apr-29 via quarterly report | N/A |
| First Quarter 2014 Quarterly Report | 2014-Apr-29 | N/A |
| MS4 Permit Annual Report for Calendar Year 2013 | 2014-Jul-14 | N/A |
| Second Quarter 2014 Quarterly Report | 2014-Jul-29 | N/A |
| SORP 2014 Update | 2014-Oct-14 | Under EPA/EEC Review |
| RMP Project EH-13 East Lake Trunk Upsize | 2014-Oct-29 via quarterly report | N/A |

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|---|-------------------------------------|--|
| RMP Project WH-21 WWTP-5 Zone 1 Aeration | 2014-Oct-29 via quarterly report | N/A |
| RMP Project WH-21 WWTP-6 Zone 2 Aeration, Phase 1 | 2014-Oct-29 via quarterly report | N/A |
| CAP – Implementation Commenced | 2014-Oct-29 via quarterly report | N/A |
| CMOM – Development & Implementation | 2014-Oct-29 via quarterly report | N/A |
| List of Future Authorized Connections | 2014-Oct-29 via quarterly report | N/A |
| Blue Sky Pump Station/Force Main | 2014-Oct-29 via quarterly report | N/A |
| Third Quarter 2014 Quarterly Report | 2014-Oct-29 | N/A |
| Appendix K-1 CEP Completion Report | 2014-Dec-05 | EEC confirmed CEP completion – 2016-Jul-21 Certified Letter No. 70123460000234676351 |
| Appendix J-1 SEP Coldstream Park Greenway Plan Supplement | 2014-Dec-31 | No formal comments received from EPA/EEC |
| RMP Project EH-12 Century Hills Trunk Upsize | 2015-Jan-29 via quarterly report | N/A |
| RMP Project NE-7 Expansion Area 2A Projects | 2015-Jan-29 via quarterly report | N/A |

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|---|-------------------------------------|--------------------------------|
| RMP Project TB-11 WWTP-4 Final Clarifier Equipment, Phase 1 | 2015-Jan-29 via quarterly report | N/A |
| RMP Project WH-13 Idle Hour Trunk | 2015-Jan-29 via quarterly report | N/A |
| RMP Project WH-21 WWTP-20 Odor Control Facilities, Phase 1 | 2015-Jan-29 via quarterly report | N/A |
| RMP Project WR-1 Wolf Run Main Trunk A | 2015-Jan-29 via quarterly report | N/A |
| RMP Project WR-10 Bob O Link Trunk | 2015-Jan-29 via quarterly report | N/A |
| RMP Project WR-11 Wolf Run Pump Station | 2015-Jan-29 via quarterly report | N/A |
| List of Future Authorized Connections | 2015-Jan-29 via quarterly report | N/A |
| Fourth Quarter 2014 Quarterly Report | 2015-Jan-29 | N/A |
| 2014 Annual Report | 2015-Jan-30 | N/A |
| First Quarter 2015 Quarterly Report | 2015-Apr-29 | N/A |
| MS4 Permit Annual Report for Calendar Year 2014 | 2015-Jul-14 | N/A |
| RMP Project TB-3 Tie-in Lower Cane Run Force Main | 2015-Jul-29 via quarterly report | N/A |
| Second Quarter 2015 Quarterly Report | 2015-Jul-29 | N/A |

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|--|-------------------------------------|---|
| Appendix J-1 SEP Coldstream Park Greenway Plan Update (Original Plan Combined with Supplement) | 2015-Aug-12 | EPA/EEC approved – 2015-Nov-25 Certified Letter No. 70142870000033182893 |
| SORP 2015 Update | 2015-Oct-14 | Under EPA/EEC Review |
| Third Quarter 2015 Quarterly Report | 2015-Oct-29 | N/A |
| RMP Project WH-2 West Hickman Main Trunk A | 2016-Jan-28 via quarterly report | N/A |
| RMP Project WH-16 Woodhill Trunk | 2016-Jan-28 via quarterly report | N/A |
| Fourth Quarter 2015 Quarterly Report | 2016-Jan-28 | N/A |
| 2015 Annual Report | 2016-Jan-29 | N/A |
| First Quarter 2016 Quarterly Report | 2016-Apr-26 | N/A |
| MS4 Permit Annual Report for Calendar Year 2015 | 2016-Jul-14 | N/A |
| Second Quarter 2016 Quarterly Report | 2016-Jul-28 | N/A |
| SORP 2016 Update | 2016-Oct-13 | Under EPA/EEC Review |
| Third Quarter 2016 Quarterly Report | 2016-Oct-27 | N/A |
| PSOPPO – Implementation | 2017-Jan-27 via quarterly report | N/A |
| RMP Project TB-1 Town Branch WWTP Wet Weather Storage Tank | 2017-Jan-27 via quarterly report | N/A |
| RMP Project TB-5 UK Trunk B (Newtown Pike Extension) | 2017-Jan-27 via quarterly report | N/A |

| Project/Program/Report Name | Date Submitted | Current Approval Status |
|--|-------------------------------------|--------------------------------|
| RMP Project TB-11 WWTP-1 Headworks | 2017-Jan-27 via quarterly report | N/A |
| RMP Project WR-8 Wolf Run Wet Weather Storage Tank | 2017-Jan-27 via quarterly report | N/A |
| Fourth Quarter 2016 Quarterly Report | 2017-Jan-27 | N/A |
| 2016 Annual Report | 2017-Jan-30 | N/A |
| RMP Project TB-11 WWTP-12 Dewatering | 2017-Apr-27 via quarterly report | N/A |
| First Quarter 2017 Quarterly Report | 2017-Apr-27 | N/A |
| MS4 Permit Annual Report for Calendar Year 2016 | 2017-Jul-13 | N/A |
| RMP Project TB-4 UK Trunk A | 2017-Jul-27 via quarterly report | N/A |