

MAYOR JIM GRAY



LEXINGTON

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

October 26, 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 (July – September 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 July – September 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



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



July – September 2017 Quarterly Report
Third Quarter 2017

October 26, 2017

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Section I
CD Quarterly Report
Third Quarter 2017
October 26, 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 third 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
Third Quarter 2017

| Consent Decree Section Number | Task | Work 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 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, 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 third 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 third quarter of 2017 include the following:</p> <ul style="list-style-type: none"> • CR-1 Lower Cane Run Wet Weather Storage Tank • 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 third quarter of 2017 include the following:</p> <ul style="list-style-type: none"> • CR-9 Lower Griffin Gate Trunk |

Table 1.1
CD Quarterly Report
Third Quarter 2017



| <i>Consent Decree Section Number</i> | <i>Task</i> | <i>Work 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 completed or in progress during the third 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 third quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Completed SO5C SORP Annual Review on September 29, 2017. ○ Completed SO6C Update of Appendices G & K on September 15, 2017. ○ 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 third quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Completed rainfall and flow monitoring for the 2017 monitoring season. Analysis of collected data and model verification/recalibration is ongoing. ○ 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. ○ Completed Technical Memorandum that summarizes significant inflow sources and recommendations from smoke testing completed on approximately 64,000 LF of gravity wastewater collection system upstream of manholes NE1_117 and NE2_28. ○ Continued to provide modeling support during design of RMP projects and update of the model for other non-RMP sewer improvements completed by LFUCG. ○ Completed review of CAP enabling ordinance with Law Department to verify the ordinance’s continued statutory authority for adequate CAP implementation. ○ Expanded hydraulic model to include additional 8-inch and 10-inch sewers in the Town Branch and North Elkhorn Sewersheds. The additional model input is anticipated to clarify sewer hydraulics near model-predicted sanitary sewer overflows (SSOs). ○ Harvested earned credits from sewer improvements completed by LFUCG in 3Q17. ○ Continued implementation and tracking of CAP activities. |

Table 1.1
CD Quarterly Report
Third Quarter 2017

| Consent Decree Section Number | Task | Work Completed – Third Quarter (July 1, 2017 – September 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 third 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 58 FOG permits and waivers (53 permits, 5 waivers). ○ Continued routine inspections of Food Service Establishments (FSEs) based on risk ranking. ○ Performed 306 FOG inspections (217 permits, 89 waivers). ○ Issued 58 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 third quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ 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 third 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
Third 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 | |
| | | 3 | East Hickman PS, Phase 2 ¹ | NA | NA | NA | 2025 | 2025 | 2025 | |
| | | 4 | East Hickman WWS Tank | 2016 | 2017 | 2018 | 2018 | 2018 | 2019 | |
| | | 5 | Overbrook Farm FM | 2021 | 2021 | 2022 | 2022 | 2022 | 2022 | |
| | | 6 | Overbrook Farm PS | 2020 | 2020 | 2021 | 2021 | 2021 | 2022 | |
| | | 7 | Overbrook Farm Trunk | 2021 | 2021 | 2022 | 2022 | 2022 | 2022 | |
| | | 8 | Delong Road PS & FM | 2022 | 2022 | 2023 | 2023 | 2023 | 2024 | |
| | | 9 | Armstrong Mill Trunks | 2023 | 2023 | 2024 | 2024 | 2024 | 2024 | |
| | | 10 | Hartland 2 & 3 Trunks | 2023 | 2023 | 2024 | 2024 | 2024 | 2024 | |
| | | 11 | Hartland 1 Trunk | 2023 | 2023 | 2024 | 2024 | 2024 | 2024 | |
| | | 12 | Eliminate East Lake PS | 2018 | 2018 | 2019 | 2019 | 2019 | 2019 | |
| | | 13 | Century Hills Trunk Upsize | 2013 | 2013 | 2014 | 2014 | 2014 | 2014 | |
| | | 14 | East Lake Trunk Upsize | 2013 | 2013 | 2014 | 2014 | 2014 | 2014 | |
| | | 15 | 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 | |
| | | | | 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 | |
| | | | | 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
Third 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 |
| Group 2 | Town Branch | 1 | Town Branch WWTP WWS Tank | 2013 | 2014 | 2014 | 2014 | 2015 | 2016 |
| | | | Town Branch WWTP WWS Tank Phase 2 | 2023 | 2023 | 2024 | 2024 | 2024 | 2025 |
| | | 2 | Town Branch PS Replacement | 2018 | 2019 | 2019 | 2019 | 2019 | 2019 |
| | | 3 | Tie-in Lower Cane Run FM | 2014 | 2014 | 2014 | 2015 | 2015 | 2016 |
| | | 4 | UK Trunk A | 2016 | 2016 | 2016 | 2016 | 2016 | 2017 |
| | | 5 | UK Trunk B (Newtown Pike Extension) | - | - | - | 2014 | - | 2016 |
| | | 6 | UK Trunk C | 2018 | 2018 | 2019 | 2019 | 2019 | 2019 |
| | | 7 | UK Trunk D | 2019 | 2019 | 2020 | 2020 | 2020 | 2020 |
| | | 8 | UK Trunk E | 2019 | 2019 | 2020 | 2020 | 2020 | 2020 |
| | | 9 | Georgetown Road Trunk | 2024 | 2024 | 2025 | 2025 | 2025 | 2025 |
| | | 10 | Midland Avenue Trunk, Phase 1 (TBC) | 2017 | 2018 | 2018 | 2019 | 2019 | 2023 |
| | | | Midland Avenue Trunk, Phase 2 | 2022 | 2022 | 2023 | 2023 | 2023 | 2023 |
| | | 11 | Town Branch WWTP Reliability Upgrades | | | | | | |
| | | WWTP-1 | Headworks | 2015 | 2016 | 2016 | 2016 | 2016 | 2016 |
| | | WWTP-2 | Primary Clarifier Equipment | 2018 | 2018 | 2018 | 2018 | 2018 | 2018 |
| | | WWTP-3 | Aeration Basins | 2020 | 2021 | 2021 | 2021 | 2021 | 2021 |
| | | WWTP-4 | Final Clarifier Equipment, Phase 1 | 2014 | 2014 | 2014 | 2014 | 2014 | 2014 |
| | | | Final Clarifier Equipment, Phase 2 | 2024 | 2025 | 2025 | 2025 | 2025 | 2025 |
| | | WWTP-5 | RAS Pump Station | 2022 | 2022 | 2022 | 2022 | 2022 | 2022 |
| | | WWTP-6 | WAS Pump Station | 2026 | 2026 | 2026 | 2026 | 2026 | 2026 |
| WWTP-7 | Gravity Thickeners | 2018 | 2019 | 2019 | 2019 | 2019 | 2019 | | |
| WWTP-8 | Disinfection | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | | |
| WWTP-9 | Non-potable Water PS | 2024 | 2024 | 2024 | 2024 | 2024 | 2024 | | |
| WWTP-10 | Primary Digesters | 2016 | 2017 | 2018 | 2018 | 2018 | 2018 | | |
| WWTP-11 | Secondary Digesters / Sludge Holding | 2019 | 2020 | 2020 | 2020 | 2020 | 2020 | | |
| WWTP-12 | Dewatering | 2018 | 2019 | 2019 | 2019 | 2019 | 2019 | | |
| WWTP-13 | Scum Facility | 2021 | 2021 | 2021 | 2021 | 2021 | 2021 | | |
| 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
Third 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
Third 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 |
| 3rd Quarter 2017 Manhole Recurring SSOs Abated/Relocated | | | | | | | | |
| no changes | | | | | | | | |

*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
Third 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 | | | | | |
| 3rd 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 (SWQMP) activities and Table 1.6 shows the Performance Standards with deadlines during the previous quarter.

Table 1.5
CD Quarterly Report
Third 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 July 13, 2017. The Board selected FY 2018 Class A and Class B Education grant recipients. Class B Infrastructure grant applications were due on July 28, 2017. |
| 4. | <p>Public Education and Outreach –</p> <ul style="list-style-type: none"> • Department of Environmental Quality and Public Works (EQPW) staff hosted displays about stormwater and/or water quality issues such as pet waste and litter at the July 4th parade, Green Night at the Lexington Legends on July 8th, the Water for Life event at Jacobson Park on July 9th, the Cane Run Watershed Festival on September 16th, and the Green Acres Neighborhood Festival on September 23rd. • Businesses participating in the Green Check program were recognized at a ceremony held at Klausing Group on September 28th. Green Check is a certification program that promotes green initiatives and sustainable practices. The Green Check program was also highlighted on A Greener Bluegrass in September. • 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. • EQPW staff conducted a public meeting at the Waterford Neighborhood’s |

| | |
|----|--|
| | <p>Public Education and Outreach (cont'd) –</p> <p>Clubhouse on August 28th to discuss a greenway project, including stream buffers.</p> <ul style="list-style-type: none"> • Annual SWQMP training for the Planning Commission was held on September 21st. |
| 5. | <p>Public Involvement and Participation –</p> <ul style="list-style-type: none"> • EQPW staff and consultants gave several presentations on Lexington’s stormwater program at the Kentucky-Tennessee Water Professionals Conference held in Lexington in July that was attended by professionals in the water, wastewater, and stormwater industry. Presentations given covered Lexington’s Consent Decree, Flood Mitigation Plan, Stormwater Incentive Grant Program, and the MS4 SWQMP. • Three inaugural West Hickman Watershed Council meetings co-hosted by LFUCG were held in September. • Storm drain stenciling continued. • The Stormwater Stakeholder Advisory Committee met on August 31st. |
| 6. | <p>Illicit Discharge Detection and Elimination – During the third quarter of 2017, 62 IDDE investigations were completed and 27 investigations were initiated or are ongoing and in monitoring status. Three responsible parties received NOVs and one party was referred to the Division of Environmental Services for civil citation. LFUCG sent 66 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 168 Major Outfalls through the end of the quarter. The results from the Dry Weather Screening have triggered 31 illicit discharge investigations year-to-date.</p> |
| 7. | <p>Construction Site Stormwater Runoff Control – Monthly inspections of active construction sites and twice-monthly inspections of targeted construction sites continued.</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. 29 water quality BMPs at seven sites were added to the inventory during the third 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 third quarter.</p> <p>Contractors removed over 30 tons of litter and debris from streams, drainageways, and public rights-of-way at 25 locations during the third quarter.</p> |
| 10. | <p>Industrial Facility Stormwater Pollution Prevention – 16 industrial facilities were inspected during the third quarter.</p> |
| 11. | <p>Water Quality Monitoring – Monitoring this quarter included quarterly dry and wet weather stream sampling. 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. Phase 1 Screening for the South Elkhorn watershed began during the third quarter and included two training sessions for volunteers.</p> |
| 12. | <p>Reporting and Recordkeeping – The <u>MS4 Permit Annual Report for Calendar Year 2016</u> was submitted on July 13, 2017. Ongoing recordkeeping continued.</p> |
| 13. | <p>TMDLs and Impaired Waters – Work continued to develop a list of appropriate BMPs for potential implementation.</p> |

Table 1.6
CD Quarterly Report
Third Quarter 2017
Status of Consent Decree MS4 Performance Standards as of 9/30/17

| 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 third quarter of 2017 (99.2% for July, 100% for August, and 100% for September). |
| 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 | In process, occurs twice annually. | LFUCG is on target to meet the 90% requirement for the second round of inspections in 2017. As of September 30, 2017, 966 out of 1,210 detention basins have been inspected. |
| 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 third quarter of 2017 (100% for all three months). As of September 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 third quarter of 2017 (100% for all three months). Additionally, there were three rain events during this quarter with greater than 1" of rainfall in a calendar day (7/27, 8/22, and 9/1). LFUCG completed a round of inspections within three working days of each event and inspected 100% of the locations each time. The critical culvert inventory has 44 locations as of September 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
Third Quarter 2017
Supplemental and Commonwealth Environmental Projects

| | |
|-----|--|
| J-1 | Coldstream Park Stream Corridor Restoration and Preservation SEP – Grading and earthwork of the stream channel continued during the third quarter. Wetlands #1 and #2 were constructed and the areas were stabilized with seed. KDOW conducted a site inspection on August 25, 2017, and determined that the project was compliant with its Water Quality Certification (WQC#2016-082-1). |
| 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>The demolition of 1653 Gayle Drive is pending.</p> <p>Wilson Downing Tributary design and right-of-way acquisition continued during the third quarter. This project is being coordinated with RMP Project WH-5 Lansdowne South Trunk.</p> <p>Investigation and design continued on the Southland stormwater project during the third quarter. The hydrologic and hydraulic (H&H) modeling is substantially complete and design concepts are being developed.</p> |

Section II
CD Quarterly Report
Third Quarter 2017
October 26, 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: 3rd Quarter 2017 SSO Overview
- Table 2.2: 3rd Quarter 2017 Manhole Overflows sorted chronologically
- Table 2.3: 3rd Quarter 2017 Manhole Overflows sorted by cause
- Table 2.4: 3rd Quarter 2017 vs. 3rd Quarter 2016 and 2nd 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: 3rd Quarter 2017 Pump Station Overflows and Bypasses sorted chronologically
- Table 2.6: 3rd Quarter 2017 vs. 3rd Quarter 2016 and 2nd 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: 3rd Quarter 2017 WWTP Unpermitted Bypasses

Table 2.1
CD Quarterly Report
Third Quarter 2017
SSO Overview

| 3rd Quarter 2017 SSO Report Comparative Overview | | | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|--|--|--|
| Source | Number of Overflows 3rd QTR 2017 | Number of Overflows 3rd QTR 2016 | Number of Overflows 2nd QTR 2017 | Total Estimated Overflow Volume (gallons) 3rd QTR 2017 | Total Estimated Overflow Volume (gallons) 3rd QTR 2016 | Total Estimated Overflow Volume (gallons) 2nd QTR 2017 |
| Manhole Overflows [^] | 12 | 22 | 47 | 72,254 | 155,565 | 11,256,326 |
| Pump Station Overflows and/or Bypasses | 10 | 8 | 23 | 1,406,346 | 1,636,095 | 6,009,480 |
| WWTP Unpermitted Bypasses | 0 | 0 | 1 | 0 | 0 | 60,000 |
| Cumulative Totals | 22 | 30 | 71 | 1,478,600 | 1,791,660 | 17,325,806 |

[^]Includes 2 Basement Backups in 3Q17, 0 Basement Backups in 3Q16, and 8 Basement Backups in 2Q17.

| Quarterly Liquid Precipitation (in inches) | | | | |
|---|-------|--------|-----------|------------------|
| Quarter | July | August | September | Total Cumulative |
| 3rd Qtr 2017 | 5.32 | 5.07 | 3.74 | 14.13 |
| 3rd Qtr 2016 | 4.98 | 6.54 | 1.67 | 13.19 |
| | April | May | June | Total Cumulative |
| 2nd Qtr 2017 | 1.75 | 5.73 | 5.73 | 13.21 |
| 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 |
| 7/4/2017 | 0.94 |
| 7/28/2017 | 1.28 |
| 8/22/2017 | 1.07 |
| 9/1/2017 | 1.70 |
| 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
Third Quarter 2017
Manhole Overflows

| 3rd 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 |
| | | | | | | | | |
| 7/3/2017 | WR2_150 | 1324 Bordeaux Dr | Wolf Run | Debris | 200 | - | - | - |
| 7/7/2017 | CR4_15 | 1502 Russell Cave Rd | Cane Run | Sustained Rain Event | 12,000 | Appendix A | 82 | CR-14 |
| 7/9/2017 | NE1_181C | 1055 Industry Rd | North Elkhorn | Debris | 150 | - | - | - |
| 7/24/2017 | TB1_150B | 1004 Jane St | Town Branch | Debris | 425 | - | - | - |
| 7/30/2017 | WH3_199 | 800 Malabu Dr | West Hickman | Grease | 550 | - | - | - |
| 8/5/2017 | NE1_132 | 1143 Floyd Dr | North Elkhorn | Roots | 2,250 | - | - | - |
| 8/10/2017 | Basement | 1199 Mt Rushmore Way | East Hickman | Break | 560 | - | - | - |
| 8/22/2017 | WH3_202A | 420 Redding Rd | West Hickman | Debris | 5,000 | - | - | - |
| 9/1/2017 | WH7_37 | 2300 Richmond Rd | West Hickman | Sustained Rain Event | 33,000 | - | - | WH-1 |
| 9/24/2017 | TB7_605 | 524 Green Valley Dr | Town Branch | Roots | 5,750 | - | - | - |
| 9/25/2017 | Basement | 3401 Freeland Dr | West Hickman | Roots | 869 | - | - | - |
| 9/25/2017 | NE1_118 | 708 Dartmoor Ct | North Elkhorn | Debris | 11,500 | - | - | - |
| | | Total Overflows | 12 | | Total Estimated Overflow Volume | 72,254 | | |

* 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.

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

| 3rd Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | |
|---|----------|----------------------|---------------|--|-------------------------------------|
| Date | MH ID # | Address | Sewershed | Cause | Estimated Overflow Volume (gallons) |
| Break | | | | | |
| 8/10/2017 | Basement | 1199 Mt Rushmore Way | East Hickman | Break | 560 |
| | | Total Overflows | 1 | Total Estimated Overflow Volume | 560 |
| Debris In Line/Blockage | | | | | |
| 7/3/2017 | WR2_150 | 1324 Bordeaux Dr | Wolf Run | Debris | 200 |
| 7/9/2017 | NE1_181C | 1055 Industry Rd | North Elkhorn | Debris | 150 |
| 7/24/2017 | TB1_150B | 1004 Jane St | Town Branch | Debris | 425 |
| 8/22/2017 | WH3_202A | 420 Redding Rd | West Hickman | Debris | 5,000 |
| 9/25/2017 | NE1_118 | 708 Dartmoor Ct | North Elkhorn | Debris | 11,500 |
| | | Total Overflows | 5 | Total Estimated Overflow Volume | 17,275 |
| Grease | | | | | |
| 7/30/2017 | WH3_199 | 800 Malabu Dr | West Hickman | Grease | 550 |
| | | Total Overflows | 1 | Total Estimated Overflow Volume | 550 |
| Roots | | | | | |
| 8/5/2017 | NE1_132 | 1143 Floyd Dr | North Elkhorn | Roots | 2,250 |
| 9/24/2017 | TB7_605 | 524 Green Valley Dr | Town Branch | Roots | 5,750 |
| 9/25/2017 | Basement | 3401 Freeland Dr | West Hickman | Roots | 869 |
| | | Total Overflows | 3 | Total Estimated Overflow Volume | 8,869 |
| Sustained Rain Event | | | | | |
| 7/7/2017 | CR4_15 | 1502 Russell Cave Rd | Cane Run | Sustained Rain Event | 12,000 |
| 9/1/2017 | WH7_37 | 2300 Richmond Rd | West Hickman | Sustained Rain Event | 33,000 |
| | | Total Overflows | 2 | Total Estimated Overflow Volume | 45,000 |
| | | All Causes Overflows | 12 | All Causes Total Estimated Overflow Volume | 72,254 |

Table 2.4
CD Quarterly Report
Third Quarter 2017
 vs.
Third Quarter 2016 and Second Quarter 2017

| 3rd Quarter 2017 vs. 3rd Quarter 2016 and 2nd Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | | |
|--|-----------------------|---------------|----------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| MH ID # | Address | Sewershed | Cause | Number of Overflows 3rd QTR 2017 | Number of Overflows 3rd QTR 2016 | Number of Overflows 2nd QTR 2017 |
| Basement | 309 Ohio St | Town Branch | Debris | 0 | 0 | 1 |
| Basement | 205 Cochran Rd | Town Branch | Sustained Rain Event | 0 | 0 | 1 |
| Basement | 209 Cochran Rd | Town Branch | Sustained Rain Event | 0 | 0 | 1 |
| Basement | 216 St Ann Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| Basement | 766 Sandpiper Ct | Cane Run | Sustained Rain Event | 0 | 0 | 1 |
| Basement | 2063 New Orleans Dr | North Elkhorn | Sustained Rain Event | 0 | 0 | 1 |
| Basement | 208 Catalpa Rd | Town Branch | Sustained Rain Event | 0 | 0 | 1 |
| Basement | 206 Catalpa Rd | Town Branch | Sustained Rain Event | 0 | 0 | 1 |
| Basement | 1199 Mt Rushmore Way | East Hickman | Break | 1 | 0 | 0 |
| Basement | 3401 Freeland Dr | West Hickman | Roots | 1 | 0 | 0 |
| CR4_15 | 1502 Russell Cave Rd | Cane Run | Sustained Rain Event | 1 | 0 | 1 |
| CR4_8 | 444 Cane Run Rd | Cane Run | Sustained Rain Event | 0 | 0 | 1 |
| CR6_178_CR6_175 | 462 Breckenridge St | Cane Run | Grease | 0 | 1 | 0 |
| CR6_23A_CR6_23 | 716 North Broadway | Cane Run | Grease | 0 | 1 | 0 |
| EH3_377 | 3297 Featherston Dr | East Hickman | Sustained Rain Event | 0 | 0 | 1 |
| EH4_1005 | 204 Mousas Way | East Hickman | Roots | 0 | 1 | 0 |
| EH5_416A | 1956 Bryant Rd | East Hickman | Roots | 0 | 1 | 0 |
| EH6_676C | 1102 Oatlands Park | East Hickman | Break | 0 | 1 | 0 |
| MH1A | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| MH2 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| MH3 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| NE1_118 | 708 Dartmoor Ct | North Elkhorn | Debris | 1 | 0 | 0 |
| NE1_132 | 1143 Floyd Dr | North Elkhorn | Sustained Rain Event | 0 | 0 | 1 |
| NE1_132 | 1143 Floyd Dr | North Elkhorn | Roots | 1 | 0 | 0 |
| NE1_181C | 1055 Industry Rd | North Elkhorn | Debris | 1 | 0 | 0 |
| NE1_356A | 1505 Auburn Ct | North Elkhorn | Debris | 0 | 0 | 1 |
| NE1_3I_NE1_3H | 2296 Thunderstick Dr | North Elkhorn | Break | 0 | 1 | 0 |
| NE2_153 | 1454 Jingle Bell Ln | North Elkhorn | Grease | 0 | 1 | 0 |
| PS_LCR_LCR_ARV1 | 2250 Spurr Rd | Cane Run | Break | 0 | 0 | 5 |
| SE2_202 | 3601 Rabbits Foot Trl | South Elkhorn | Debris | 0 | 0 | 1 |
| SE2_6137 | 3273 Blenheim Way | South Elkhorn | Sustained Rain Event | 0 | 0 | 1 |
| SE2_850 | 3213 Drayton Pl | South Elkhorn | Grease | 0 | 1 | 0 |
| SE5_891 | 3558 Juliann Cir | South Elkhorn | Debris | 0 | 0 | 1 |

Table 2.4
CD Quarterly Report
Third Quarter 2017

vs.

Third Quarter 2016 and Second Quarter 2017

| 3rd Quarter 2017 vs. 3rd Quarter 2016 and 2nd Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | | |
|---|--|--------------|----------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| MH ID # | Address | Sewershed | Cause | Number of Overflows 3rd QTR 2017 | Number of Overflows 3rd QTR 2016 | Number of Overflows 2nd QTR 2017 |
| TB1_150B | 1004 Jane St | Town Branch | Debris | 1 | 0 | 0 |
| TB2_186A | 451 Chair Ave | Town Branch | Break | 0 | 2 | 0 |
| TB3_1137 | 250 Lewis St | Town Branch | Sustained Rain Event | 0 | 0 | 1 |
| TB3_611 | 727 Hambrick Ave | Town Branch | Grease | 0 | 1 | 0 |
| TB3_96B_TB3_96A | 205 North Upper St | Town Branch | Grease | 0 | 1 | 0 |
| TB4_73 | 150 Grand Blvd | Town Branch | Debris | 0 | 0 | 1 |
| TB5_47C | 401 Columbia Ave | Town Branch | Roots | 0 | 1 | 0 |
| TB7_605 | 524 Green Valley Dr | Town Branch | Roots | 1 | 0 | 0 |
| WH1_51 | **3770 Forest Green Dr (Belleau Wood Pk) | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH1_757_WH1_756 | 3933 Crosby Dr | West Hickman | Grease | 0 | 1 | 0 |
| WH10_2 | 769 Rainwater Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH2_181 | 3501 Laredo Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH2_419Z | 3665 Niles Ct | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH3_144 | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH3_148A | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH3_199 | 800 Malabu Dr | West Hickman | Grease | 1 | 0 | 0 |
| WH3_202A | 420 Redding Rd | West Hickman | Debris | 1 | 0 | 0 |
| WH3_56 | 3051 Kirklevington Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH3_658 | 3422 Greentree Rd | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH4_78E | 428 Greenbriar Rd | West Hickman | Grease | 0 | 1 | 0 |
| WH5_45A | 3134 Montavesta Rd | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH6_24 | 3416 Heritage Pl | West Hickman | Debris | 0 | 0 | 1 |
| WH6_645 | 2309 The Woods Ln | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH6_74 | **3538 Creekwood Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH7_15 | 203 Patchen Dr | West Hickman | Grease | 0 | 1 | 0 |
| WH7_280A | 204 St Ann Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH7_37 | 2300 Richmond Rd | West Hickman | Sustained Rain Event | 1 | 0 | 1 |
| WH7_982 | 2401 Richmond Rd | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH7_983 | 2401 Richmond Rd | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WH8_1271 | 700 Southpoint Dr | West Hickman | Sustained Rain Event | 0 | 0 | 1 |
| WR1_272 | 152 Rugby Rd | Wolf Run | Grease | 0 | 1 | 0 |
| WR2_102 | 1835 Yorktown Rd (Gardenside Park) | Wolf Run | Sustained Rain Event | 0 | 1 | 1 |
| WR2_150 | 1324 Bordeaux Dr | Wolf Run | Debris | 1 | 0 | 0 |

Table 2.4
CD Quarterly Report
Third Quarter 2017
 vs.
Third Quarter 2016 and Second Quarter 2017

| 3rd Quarter 2017 vs. 3rd Quarter 2016 and 2nd Quarter 2017 Sanitary Sewer Overflows (Manholes) | | | | | | |
|--|--------------------------------------|-----------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| MH ID # | Address | Sewershed | Cause | Number of Overflows 3rd QTR 2017 | Number of Overflows 3rd QTR 2016 | Number of Overflows 2nd QTR 2017 |
| WR2_245A | 1041 Cross Keys Rd | Wolf Run | Grease | 0 | 1 | 0 |
| WR2_319 | 1733 Traveller Rd | Wolf Run | Sustained Rain Event | 0 | 1 | 1 |
| WR2_488 | 1616 Maywick View Ln (Wolf Run Park) | Wolf Run | Sustained Rain Event | 0 | 1 | 1 |
| WR5_9 | 782 Allendale Dr | Wolf Run | Sustained Rain Event/Cross Connect | 0 | 1 | 0 |
| WR5_9 | 782 Allendale Dr | Wolf Run | Sustained Rain Event | 0 | 0 | 1 |
| Total Number of Overflows Per Respective Qtr. | | | | 12 | 22 | 47 |
| Total Estimated Vol. (gal.) of Overflows Per Respective Qtr. | | | | 72,254 | 155,565 | 11,256,326 |

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

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

| 3rd 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 |
| 7/5/2017 | Overflow | Sharon Village | 1985 Haggard Ct | Cane Run | Sustained Rain Event | 5,813 | 90 | CR-8 |
| 7/8/2017 | Overflow | Sharon Village | 1985 Haggard Ct | Cane Run | Sustained Rain Event | 32,180 | 90 | CR-8 |
| 7/8/2017 | Overflow | Thoroughbred Acres | 619 Parkside Dr | Cane Run | Sustained Rain Event | 262,592 | 13 | CR-5 |
| 7/8/2017 | Overflow | Winburn | 1985 Russell Cave Rd | Cane Run | Sustained Rain Event | 27,910 | 15 | CR-6 |
| 7/9/2017 | Bypass | Thoroughbred Acres | 619 Parkside Dr | Cane Run | Power Failure | 20,224 | 13 | CR-5 |
| 7/23/2017 | Bypass | Winburn | 1985 Russell Cave Rd | Cane Run | Power Failure | 3,764 | 15 | CR-6 |
| 8/1/2017 | Overflow | Town Branch | 335 Jimmie Campbell Dr | Town Branch | Sustained Rain Event | 3,064 | 107 | TB-2 |
| 8/28/2017 | Bypass | Electronics Park | 609 Bizzell Dr | Town Branch | Mechanical Failure | 1,184 | - | - |
| 9/2/2017 | Overflow | East Lake | 1326 Fenwick Rd | East Hickman | Sustained Rain Event | 982,501 | 87 | EH-11 |
| 9/9/2017 | Bypass | South Elkhorn | 2500 Bowman Mill Rd | South Elkhorn | Mechanical Failure | 67,114 | 1 | SE-1 |
| Total Overflows | | | | 10 | Total Estimated Overflow/ Bypass Volume | | 1,406,346 | |

* 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
Third Quarter 2017

vs.

Third Quarter 2016 and Second Quarter 2017
Pump Stations

| 3rd Quarter 2017 Sanitary Sewer Overflows/Bypasses vs. 3rd Quarter 2016 and 2nd Quarter 2017 Sanitary Sewer Overflows/Bypasses (Pump Stations) | | | | | | | |
|---|------------------------|---------------|----------------------------------|---------------------|---|---|---|
| Pump Station Name | Address | Sewershed | Cause | Bypass/ Overflow | Number of Overflows/ Bypasses 3rd QTR 17 | Number of Overflows/ Bypasses 3rd QTR 16 | Number of Overflows/ Bypasses 2nd QTR 17 |
| Armstrong Mill | 2755 Armstrong Mill Rd | East Hickman | Sustained Rain Event | Overflow | 0 | 0 | 1 |
| East Hickman | 3316 Buckhorn Dr | East Hickman | Sustained Rain Event | Overflow | 0 | 0 | 1 |
| East Lake | 1326 Fenwick Rd | East Hickman | Sustained Rain Event | Overflow | 1 | 2 | 3 |
| East Lake | 1326 Fenwick Rd | East Hickman | Mechanical Failure | Bypass | 0 | 0 | 1 |
| Electronics Park | 609 Bizzell Dr | Town Branch | Mechanical Failure | Bypass | 1 | 0 | 0 |
| Electronics Park | 609 Bizzell Dr | Town Branch | Sustained Rain Event | Bypass | 0 | 0 | 1 |
| Greenbrier #2 | 3592 Winchester Rd | North Elkhorn | Sustained Rain Event | Overflow | 0 | 0 | 1 |
| Greenbrier #2 | 3592 Winchester Rd | North Elkhorn | Power Failure | Bypass | 0 | 1 | 0 |
| Lower Cane Run | 1760 McGrathiana Pkwy | Cane Run | Mechanical Failure | Bypass | 0 | 0 | 1 |
| Mint Lane | 1510 Man O War | South Elkhorn | Mechanical Failure | Bypass | 0 | 0 | 1 |
| Shadeland | 857 Glendover Rd | West Hickman | Sustained Rain Event | Overflow | 0 | 0 | 1 |
| Shandon Park #1 | 2330 Pierson Dr | Cane Run | Sustained Rain Event | Bypass | 0 | 0 | 1 |
| Shandon Park #2 | 765 Kingston Dr | Cane Run | Sustained Rain Event | Overflow | 0 | 0 | 1 |
| Sharon Village | 1985 Haggard Ct | Cane Run | Sustained Rain Event | Overflow | 2 | 2 | 2 |
| Sharon Village | 1985 Haggard Ct | Cane Run | Mechanical Failure | Bypass | 0 | 0 | 0 |
| Sharon Village | 1985 Haggard Ct | Cane Run | Power Failure | Bypass | 0 | 1 | 0 |
| South Elkhorn | 2500 Bowman Mill Rd | South Elkhorn | Sustained Rain Event | Bypass | 0 | 0 | 1 |
| South Elkhorn | 2500 Bowman Mill Rd | South Elkhorn | Mechanical Failure | Bypass | 1 | 0 | 0 |
| St. Martins | 961 St Martins Ave | Town Branch | Sustained Rain Event | Bypass | 0 | 0 | 1 |
| Thoroughbred Acres | 619 Parkside Dr | Cane Run | Sustained Rain Event | Overflow | 1 | 1 | 2 |
| Thoroughbred Acres | 619 Parkside Dr | Cane Run | Power Failure | Bypass | 1 | 0 | 0 |
| Town Branch | 335 Jimmie Campbell Dr | Town Branch | Lack of Capacity | Bypass | 0 | 0 | 1 |
| Town Branch | 335 Jimmie Campbell Dr | Town Branch | Sustained Rain Event | Overflow | 1 | 0 | 1 |
| Winburn | 1985 Russell Cave Rd | Cane Run | Sustained Rain Event | Overflow | 1 | 1 | 1 |
| Winburn | 1985 Russell Cave Rd | Cane Run | Power/Control/Mechanical Failure | Bypass | 0 | 0 | 1 |
| Winburn | 1985 Russell Cave Rd | Cane Run | Power Failure | Bypass | 1 | 0 | 0 |
| Total Number of Overflow(s)/Bypass(es) Per Respective Quarter | | | | | 10 | 8 | 23 |
| Total Estimated Overflow/Bypass Vol. (gal.) | | | | | 1,406,346 | 1,636,095 | 6,009,480 |

Table 2.7
CD Quarterly Report
Third Quarter 2017
WWTP Unpermitted Bypasses

| 3rd Quarter 2017 Unpermitted Bypasses WWTP | | | | |
|---|---------------|---------|--------------------------------------|-------------------------------------|
| Date | Facility Name | Address | Cause | Estimated Overflow Volume (gallons) |
| | None | | | |
| | | | Total Number of Unpermitted Bypasses | 0 |
| | | | Total Estimated Bypass Volume | 0 |

Section III
CD Quarterly Report
Third Quarter 2017
October 26, 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
Third Quarter 2017

| <i>Consent Decree Section Number</i> | <i>Task</i> | <i>Work Anticipated to be Completed – Fourth Quarter (October 1, 2017 – December 31, 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 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 fourth quarter of 2017:</p> <ul style="list-style-type: none"> • 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 fourth quarter of 2017:</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 • 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
Third Quarter 2017

| <i>Consent Decree Section Number</i> | <i>Task</i> | <i>Work Anticipated to be Completed – Fourth Quarter (October 1, 2017 – December 31, 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 fourth 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 fourth 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 fourth 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 fourth 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 fourth quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Complete annual Technical Memorandum summarizing results from 2016 temporary flow monitoring and model recalibration/verification (including incorporation of completed sewer system improvements). ○ Complete analysis of rainfall and flow data collected during the 2017 monitoring season and model verification/recalibration, as needed. ○ Identify temporary rainfall and flow monitoring locations for 2018 monitoring season. RFP anticipated to be issued in 4Q17. ○ 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 4Q17. ○ 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 fourth quarter of 2017. |

Table 3.1
CD Quarterly Report
Third Quarter 2017

| Consent Decree Section Number | Task | Work Anticipated to be Completed – Fourth Quarter (October 1, 2017 – December 31, 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 anticipated to be completed during the fourth 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. ○ LFUCG and Bluegrass Greensource will host the annual Gobble Grease Toss on Friday, November 24, 2017. The event will encourage Lexington residents to bring leftover fats, oils, and grease from the preparation of their Thanksgiving dinners to be recycled instead of putting them down the drain and taxing the city’s sanitary sewer system. ○ 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 fourth 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 fourth quarter of 2017 is as follows: <ul style="list-style-type: none"> ○ Finalize 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 fourth 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 fourth 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 fourth 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
Third Quarter 2017
Stormwater Quality Management Program
Activities Anticipated for the Fourth 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 October 12, 2017, and January 11, 2018. The main topic for the October meeting will be the selection of Class B Infrastructure grant recipients. The main topics for the January meeting will be to evaluate programmatic changes and the FY 2019 application documents. |
| 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. • Annual SWQMP training for the Urban County Council’s EQPW Committee will be conducted during the fourth quarter. |

| | |
|-----|---|
| 5. | <p>Public Involvement and Participation –</p> <ul style="list-style-type: none"> • Annual training for LexCall staff will be held during the fourth quarter. • The West Hickman Watershed Council will meet in November. • Volunteer service opportunities will continue to be facilitated by LFUCG during the fourth 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 fourth 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 fourth 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 fourth 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 1 Field Screening activities will continue in South Elkhorn for the Watershed-Focused Monitoring Program during the fourth 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
Third Quarter 2017
Supplemental and Commonwealth Environmental Projects
Progress Anticipated for the Fourth Quarter 2017

| | |
|-----|---|
| J-1 | Coldstream Park Stream Corridor Restoration and Preservation SEP – The contractor will complete grading and earthwork of the stream and wetlands during the fourth 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>The construction contract for the Wilson Downing Tributary project will be advertised and bid during the fourth quarter.</p> <p>Investigation and concept design will continue on the Southland stormwater project.</p> <p>LFUCG will continue analysis of the viability of the next three projects on the priority list.</p> |

Section IV
CD Quarterly Report
Third Quarter 2017
October 26, 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 the end of 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
Third Quarter 2017
October 26, 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
Third Quarter 2017
Consent Decree Deliverables
Submitted as of October 26, 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 |
| Second Quarter 2017 Quarterly Report | 2017-Jul-27 | N/A |
| RMP Project CR-9 Lower Griffin Gate Trunk | 2017-Oct-26 via quarterly report | N/A |