MSD

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

January 30, 2008

Chief, Water Programs Enforcement Branch
Water Management Program
US EPA Region 4
Atlanta Federal Center
61 Forsyth Street SW
Atlanta, GA 30303

Subject: Quarterly Report Number 9
December 31, 2007
DOJ Case No. 90-5-1-1-08254

Attention Chief:

Please find attached our Quarterly Report, prepared in accordance with Paragraph 25 of our Consent Decree. This report is for the period October 1, 2007 through December 31, 2007.

This report is organized to deliver the requirements as defined in Paragraph 25 of the Consent Decree and provides an overview of significant program elements, issues, and accomplishments pertaining to Consent Decree compliance activities. Included are sections on: significant accomplishments, current activities review, performance overview, and planned activities.

We certify under penalty of law that this document and all attachments were prepared under our 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 such 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.

If you have questions or need additional information, please contact me at (502) 649-3850.

Sincerely,

W. Brian Bingham
Regulatory Services Director

Q9 Certification EPA 1-30-08
cc: H. J. Schardein, Jr. Paula Purifoy Laurence J. Zielke

MSD

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

January 30, 2008

Jeff Cummins, Acting Director
Division of Enforcement
Department of Environmental Protection
14 Reilly Road
Frankfort, KY 40601

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Regulatory Services Director

Q9 Certification KDEP 1-30-08

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700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
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January 30, 2008

Chief, Environmental Enforcement Section
Environmental and Natural Resources Division
U.S. Department of Justice
Post Office Box 7611
Washington DC 20044-7611

Subject: Quarterly Report Number 9
December 31, 2007
DOJ Case No. 90-5-1-1-08254

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Sincerely,

W. Brian Bingham
Regulatory Services Director

Q9 Certification DOJ 1-30-08

cc: H. J. Schardein, Jr. Paula Purifoy Laurence J. Zielke

Louisville and Jefferson County Wet Weather Consent Decree Quarterly Report #9

Reporting Period:

October 1, 2007 through December 31, 2007

Submitted To:

Kentucky Department of Environmental Protection

United States Environmental Protection Agency

United States Department of Justice

Submitted By:

Louisville and Jefferson County Metropolitan Sewer District
700 W. Liberty Street
Louisville, Kentucky 40203-1911

Submittal Date:

January 30, 2008

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INTRODUCTION

MSD has entered into a Consent Decree with the Kentucky Department of Environmental Protection (KDEP) and the United States Environmental Protection Agency (EPA). The Consent Decree was signed by United States District Judge Simpson and entered in United States District Court, Western Division of Kentucky, Louisville Division, on August 12, 2005.

This is the ninth Quarterly Report submitted in accordance with Paragraph 25 of the Consent Decree. This Report covers the time period from October 1, 2007 through December 31, 2007. The structure for this report is outlined as follows:

Section 1: Project WIN Program Activities Performed during the Reporting Period (excluding CMOM) - This section describes the scope, schedule and status for projects and other activities that were active during the reporting period October 1, 2007 through December 31, 2007. The projects and activities described are those that demonstrate the efforts conducted to comply with the Consent Decree.

Section 2: Performance Overview - This section provides an accounting of the number of occurrences of overflows, including unauthorized discharges, from the separate sanitary sewer and combined sewer system and the estimated volumes of each. A discussion of the probable reductions, in both unauthorized discharge points and the discharges from MSD's CSO locations, identified in the MFWTP KPDES, permit that are expected to result from MSD's projects and activities during the reporting period are also contained in this section.

Section 3: Project WIN Program Activities for the Next Reporting Period (excluding CMOM) - This section describes the anticipated projects and activities that are scheduled to be performed during the next reporting period (January 1, 2008 through March 31, 2008) for continued compliance with the Consent Decree.

Section 4: Capacity Management, Operations and Maintenance (CMOM) Annual Report - The program activities performed during the reporting period October 1, 2007 through December 31, 2007 and activities planned for the next reporting period (January 1, 2008 through March 31, 2008) are included in this section.

SECTION 1: Project WIN Program Activities Performed during the Reporting Period

1.1 Nine Minimum Controls Implementation

Per Paragraph 23.a. of the Consent Decree, the Nine Minimum Controls (NMC) Compliance Report was initially submitted to EPA and KDEP on February 10, 2006. MSD received an approval letter, dated February 22, 2007 for the NMC Compliance Report. The approved NMC Compliance document can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin. Highlights of the NMC program implementation over this reporting period are outlined below:

NMC 1: Proper Operation and Maintenance Program

- Continued to inspect and maintain catch basins within the combined sewer system (CSS).
- Continued to inspect, maintain and properly operate the CSS pump stations and the Morris Forman Wastewater Treatment Plant (MFWTP).
- Continued to perform weekly inspections of each CSO and related structures, and initiated work orders for debris removal and/or repairs as determined to be necessary to allow proper system operation.
- Reviewed and enhanced the inspection and maintenance procedures for CSOs, based upon the system assets at each location.
- Siphon inventory review and enhancement of the documentation was performed. Detailed sketches were developed for each siphon location. This inventory was completed in October 2007 and posted to eB.
- Removed mechanical regulators from the following CSO sites:
  - CSO109
  - CSO110
  - CSO125
  - CSO126
  - CSO131
  - CSO144
  - CSO151
  - CSO152
- Developed a plan to remove the remaining regulators from three CSOs (CSO108, CSO118 & CSO132)
- Continued to compile a comprehensive library of mapping, record drawings and documentation of each CSO location for inspection and maintenance to allow for a more streamlined response to any maintenance or system issue that may occur.

NMC 2: Maximization of Storage in the Collection System

- Continued operation of Phase I of the Real Time Control (RTC) system. Received performance report from BPR CSO of the RTC system for its first nine months of operation from April 2006 through December 2006.
- Continued design activities related to Real Time Control Phase II. This phase of RTC is to be completed by December 31, 2008, as required within the Consent Decree.
- A contract for construction of an inflatable dam in the Southwestern Trunk was awarded during this period. Submittals were reviewed and approved with equipment being ordered in anticipation of active construction beginning in January 2008.
- As part of the additional access provided to the wave screen at CSO 125, an analysis of potential backwater impacts was performed, and the dam was raised an additional 12" to reduce overflow and increase in-system storage.
- Initiated the review of pump stations within the CSS to determine if modifications can be made to further maximize flow transport to the MFWTP.

NMC 3: Review and Modification of Pretreatment Requirements

- Continued to send wet weather alerts to the Non-Domestic Dischargers (NDD) prior to rain events, reminding them of their commitment to implement controls during wet weather events.
- Completed the Threat Matrix exercise to determine the NDDs having the greatest potential to impact the stream during wet weather events.
- Continued implementation of the CSO-SIU project in conjunction with the LTCP preparation.

NMC 4: Maximization of Flow at the Morris Forman Wastewater Treatment Plant

- Continued operation of RTC Phase I, which minimizes wet weather overflows from the Southwestern Pump Station, providing an optimized method for delivering more consistent flows into MFWTP during and after wet weather events.
- Developed a scope of work to generate reporting from actual wet weather events captured through Real Time Control.

NMC 5: Elimination of CSOs During Dry Weather

- Continued implementation of the Unusual Discharge Request permit program, to prevent negative impacts on the CSS from discharges not already covered by a wastewater discharge permit.
- Continued coordination with E.ON U.S. to ensure that any power shut downs will not negatively impact operation of MSD facilities.
- Performed reconnaissance and preventive maintenance of collection system "hot spots" to proactively remove grease and debris buildup, minimizing the possibility of overflows at these locations.

- Initiated an analysis of ten locations throughout the District that historically have experienced excessive accumulation of fats, oils or greases (FOG) in sewers to determine if an engineered solution could cost-effectively and efficiently solve the maintenance problem. More details on this effort can be found in Section 4 of this report.
- Reported dry weather overflows from the CSS in accordance with the Sewer Overflow Response Protocols (SORP).

NMC 6: Control of Solid and Floatable Materials in Combined Sewer Overflows

- During the reporting period, the wave screen at CSO 125 was damaged, and required replacement and reinforcement. During this effort, additional hatch access was provided, the screen was additionally supported with steel, and water service was provided to the site.
- Continued inspection and maintenance procedures for the new solids and floatables structures as part of the weekly CSO inspections and PM cleaning routines, outlined under NMC 1.
- Constructed the CSO 146 solids and floatables baffle vault structure, as detailed in the Interim CSO LTCP, and was substantially complete as of December 31, 2007.

NMC 7: Pollution Prevention Programs to Reduce Contaminants in CSOs

- Continued coordination of activities performed by Louisville Metro such as: street sweeping, Operation Brightside (garbage pick-up), and other Metro pollution prevention programs.
- Continued implementation of the Hazardous Materials Ordinance, which requires users with hazardous materials on site to submit a spill prevention and control plan. Continued response to spills of hazardous materials and incidents involving discharges to the sewer system and provide spill mitigation kits to the Louisville Metro Fire Department to use to absorb vehicle fluids rather than flushing to the sewer.
- Continued implementation of the Erosion Prevention and Sediment Control Ordinance.
- Continued to issue wastewater discharge permits under the Industrial Pretreatment Program.
- Planned 2008 clean sweep events. Butchertown invasive plant removal event held November 17, 2007.
- Held rain barrel distributions on November 10, 2007 and December 15, 2007.

NMC 8: Public Notification

- Mailed “Holiday Tip” postcards to customers
- Distributed grease scrapers at various public events
- Continued to update the Project WIN website that was launched with the ability to alert customers of water quality conditions relative to the potential to contain sewage, on a real time basis, through the use of a “traffic signal” showing the status of water quality.

Customers voluntarily sign up to receive email alerts. In addition, there are messages from MSD, a repository of approved documents, Stakeholder meeting minutes, and access to a public notification e-mail system. This website can be found at www.msdlouky.org/projectwin.

- Inspected approximately 1100 Overflow Advisory signs along the creeks and the Kentucky side of the Ohio River within both the combined and separate sanitary sewer systems as outlined in the NMC Report and the Sewer Overflow Response Protocol. In the CSS, approximately 300 signs were inspected by December 31, 2007. In the separate sewer system, approximately 800 signs were inspected by December 31, 2007. Work Orders were created to replace 184 signs that had been damaged or removed.

NMC 9: Monitoring to Characterize CSO Impacts and the Efficacy of CSO Controls

- Continued monitoring of wet weather impacts within the Beargrass Creek Watershed, sampled during a wet weather event.
- Completed the recreational use survey for the Ohio River and Beargrass Creek.
- Continued to monitor the largest CSOs for flow volume to define the wet weather contribution of the overflows to the stream. Sonde data for the period from 2005 through 2007 was given to the USGS for cleaning and verification.
- Collected stream flow, sonde and other environmental data sets for use in further characterization of the combined service area.
- Calibrated the InfoWorks CSS Model in anticipation of increased use for the LTCP development. Additional sewer lines, up to an 18-inch diameter, were coded into the model and pump station and other physical parameter information were updated. The evaluation of the synthetic year rainfall used for simulation within the model was completed.
- Calibrated the Water Quality Tool for the Beargrass Creek Watershed and the Ohio River model and prepared for use in the LTCP and bacteria TMDL.
- Submitted the Water Quality Synthesis Report in December 2007 which included a watershed description of land use, population, impervious area and various environmental parameters. The report included a statistical analysis of water quality data collected within the Beargrass Creek watershed from 2000 through 2005.

1.2 Sewer Overflow Response Protocol (SORP) Implementation

Per Paragraph 23.d. of the Consent Decree, MSD initially submitted the SORP to EPA and KDEP on February 10, 2006. MSD received an approval letter for the SORP on August 22, 2006. The approved SORP document can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin. The following activities were performed during this reporting period.

Overflow Management and Field Documentation

- Enhancements were made to the Overflow Report form to assist staff with overflow data collection.
- MSD continued the more rigorous quality assurance and quality control program for the review of overflows. This includes daily review, monthly review and quarterly review.
- SORP training documents and job aides were developed to assist staff in all aspects of SORP implementation.
    - Sample Text guide for Spot Inspections (posted in Hansen Help)
    - Step by Step guide for Overflow reporting
    - Volume Estimation Guide
- Telemetry added to the Jeffersontown WTP siphon structure to facilitate data collection and overflow monitoring.
- MSD I&FP staff continue to monitor 11 overflow locations and takes preventive measures to reduce basement backups. Work orders are used to track these various activities.
- MSD's Regulatory Services staff continues to monitor approximately 60 sanitary sewer overflow (SSO) sites, which have been grouped into routes based on the range of rainfall rates necessary to cause an SSO. These routes are monitored during rain events depending on the magnitude and location of the storm. If an overflow is observed, a Discharge Work Order is created to document the event.
- MSD Metro Operations continues to monitor approximately 20 sites where sewage is routinely hauled from pump station wet wells to wastewater treatment plants to prevent overflows during rain events depending on the magnitude and location of the storm. Due to capacity issues during this reporting period, MSD hauled approximately 23 times.

Public Notification and Communication

- Approximately 1100 Overflow Advisory signs were inspected along the creeks and the Ohio River within both the combined and separate sanitary sewer systems as outlined in the SORP. In the CSS, approximately 300 signs were inspected by December 31, 2007, and in the separate sewer system, approximately 800 additional signs were inspected by December 31, 2007. Work Orders were created to replace or repair approximately 184 signs.

Regulatory Reporting and Data Management

- A supplemental email will now be sent if a discharge work order was not completed prior to the initial reporting. The EPA contact name to receive the discharge notification emails was changed from John Harkins to Sean Ireland.
- A link from the Hansen sign inventory to the GIS was created.
- Monthly meetings were held with staff to perform QA/QC of Discharge Work Orders.

- The Discharge Report was updated to include additional information on the monthly report that is submitted with the DMRs and the Quarterly Reports.
    - **DISSUP** log code and data was added. This code tracks when supplemental data is sent to KDEP and EPA on Discharge work orders.
    - **DISPUB** log code and data was added. This code tracks how MSD provided public notification of an overflow. The report now also includes **Assigned To** information.
- A review of the historical Discharge work orders was started for all data back to July 1, 2004. The associated assets in Hansen are being updated to track overflow locations.

.Staff Training and Communication

- In accordance with the approved SORP, and to ensure that the specific requirements of the SORP were well understood and adhered to by staff in positions of SORP responsibilities, the 2007 annual training program was completed in December 2007. The training department combined the modules into a single "Field Training" module. This helped to integrate the information into a format that more closely simulates an actual overflow response. While the names of the modules have been placed under the umbrella name "Field Training", all of the content is still covered, though in a more comprehensive way.
- The full SORP training module was provided in a 4.0 hour session format for those staff directly responsible for daily implementation of the SORP procedures. 162 employees were trained in 12 Field Training sessions.
- The module that overviews MSD's SORP Obligations and Project WIN was provided in a 30 minute session format for all MSD staff, the Wet Weather Team/Stakeholders and the MSD Board. 507 employees were trained in 14 SORP Overview sessions.

Annual SORP Review

- Planning for the annual review commenced.

1.3 Capital Improvement Projects

Paragraph 23.b of the Consent Decree requires the implementation of a specific list of projects to be completed and/or initiated prior to the implementation of the final Sanitary Sewer Discharge Plan (SSDP) and final LTCP. All projects from the original Consent Decree have been completed so this subsection of future Annual and Quarterly Reports will be eliminated.

1.4 Discharge Abatement Plans

A requirement of the Consent Decree, per Paragraph 24, is to prepare and submit for review and approval discharge abatement plans for the elimination of unauthorized discharges from the separate sanitary sewer system and the combined sewer system, the reduction and control of discharges from the CSO locations identified in the MFWTP KPDES permit, and the improvement of water quality in the receiving waters.

1.4.1 Sanitary Sewer Discharge Plan (SSDP)

The SSDP will address the overflows and unauthorized discharges from the separate sanitary sewer system. Three separate plans will be submitted under this program as described below and outlined in Paragraph 24.a. of the Consent Decree.

1.4.1.1 Updated SSOP Implementation

MSD prepared and submitted an updated SSOP on February 10, 2006. This plan included an overview of the MSD sanitary sewer overflow abatement program and specific actions taken to reduce/eliminate overflows from the sanitary sewer system. This document included a list of the proposed improvements to be accomplished by December 31, 2008. Refer to Appendix A-1 for a chart showing a schedule of the activities described in this section.

The following projects were completed within the reporting period.

- Broadfern Pump Station Upgrade (Budget ID F02327) - Two new dry pit pumps have been installed along with new suction and discharge piping and pump level controller. Installation and initial testing was completed on December 28, 2007. Additionally, final testing is required to verify pump performance prior to certification which will occur by January 30, 2008.

The following projects were active during the reporting period and will be completed as required by the Consent Decree:

- Interceptor Condition Assessment Phase 1 (Budget ID H04272) – The inspection portion of this project was completed prior to July 1, 2006. MSD received the reports summarizing the results of the inspections during this reporting period and began reviewing and prioritizing findings from the inspections. Inspections included portions of the Goldsmith, Middle Fork, and Northern Ditch Interceptors along with the interceptor from Highgate Springs Pump Station to the Southeast Diversion Structure. Phase 1 improvements, based on the inspection results, will be completed by December 31, 2008, in accordance with the Consent Decree.

- Murray Hills Area Pump Station Upgrades (Budget ID F06297) – The project scope was modified to eliminate one pump station in the Murray Hills area. The project name was revised to Acushnet Pump Station Elimination. The design of this project was completed in June 2007 and construction of this project began on October 11, 2007. The flow from the pump station was diverted in December 2007 and the construction is expected to be completed in the next reporting period which will meet the required completion date of September 30, 2008, in accordance with the Consent Decree.

- Fern Hill Subdivision Interceptor #8 (Budget ID C94086) – The design phase and easement acquisition was completed during this period. A construction contract is expected to be awarded during the next reporting period, in order to complete the construction by March 30, 2009, in accordance with the Consent Decree. This project will eliminate the Holly Oaks Pump Station which is a documented SSO.

- Thurman Drive Pump Station Elimination (Budget ID B06299) - The design was completed and the bid for a construction contract was advertised and the contract awarded during the reporting period. This project will be completed by September 30, 2008, in accordance with the Consent Decree.
- Zabel Way Pump Station Elimination (Budget ID C06295) - The design has been completed and easement acquisition has started during the reporting period. Easement acquisition will continue in the next reporting period. Construction will be completed by September 30, 2008, in accordance with the Consent Decree.

1.4.1.2 Interim Sanitary Sewer Discharge Plan (ISSDP)

MSD submitted for approval an ISSDP on September 30, 2007. The overall project concept includes reconstruction of the Beechwood Village sanitary sewer system along with the construction of relief sewers, elimination of the Highgate Springs Pump Station and offloading sewers in the Hikes Point area that currently create unauthorized discharges during wet weather. The concept also involves conveying flow from the Southeast Diversion Structure through the Southeast Interceptor and the Northern Ditch Interceptor to a new relief sewer that will convey wet weather flows from the Northern Ditch Interceptor to the West County WTP. A high-rate secondary treatment system is proposed to treat some of the diluted wastewater conveyed by this relief sewer during wet weather.

To meet the implementation schedule required by the Consent Decree, the following activities have occurred:

- Final design and related field surveys are continuing for the Beechwood Village sanitary sewer reconstruction.
- Work scopes were negotiated and a notice to proceed was issued for preliminary engineering of the West County WTP Wet Weather Treatment and Equalization Project.
- The preliminary engineering continued for the Northern Ditch Interceptor diversion sewer.
- A proposal for professional services to design the facilities needed for off-loading and decommissioning of the Highgate Springs Pump Station was received and evaluated during this period. This project would also eliminate the need for wet weather manhole pumping in the Hikes Point area.

1.4.1.3 Final Sanitary Sewer Discharge Plan

MSD is required to submit for approval a final SSDP by December 31, 2008. Refer to Appendix A-2 for a chart showing a schedule of the activities that will be in the SSDP. During this reporting period, MSD completed the conversion and continued the calibration of InfoWorks CS sewer models for its six regional treatment plant service areas and seventeen small plant service areas. Each model was upgraded with additional detail down to an 8-inch sewer diameter in the sanitary service area and to an 18-inch sewer diameter in the combined sewer area. In all, 12 models were upgraded with additional detail and standardization and are being calibrated to a flow monitoring period from the first half of 2007.

Sewer modeling guidelines were utilized and improved to standardize the technical design of each model. Each of these models will be utilized for analyzing various solutions for the

elimination of SSOs and mitigation of CSOs, both individually and collectively. The models will also be an essential part of the capacity assurance program by providing a baseline for comparison when considering new capacity requests and assessing sewer rehabilitation needs.

During this reporting period a workshop was held with all modeling firms to review the cost model and the benefit/cost evaluation approach. The workshop also addressed the approach to be used in developing, documenting and evaluating SSO elimination alternatives. Following this workshop, work began on identifying potential solutions to specific SSO locations.

Presentations on SSO locations and potential solutions were included in the second round of Project WIN public meetings, described in Section 1.5.2. Feedback from customers obtained during these meetings will be used to help define specific projects for SSO elimination.

The evaluation of the capacity limitations of the Jeffersontown WTP was initiated during the reporting period, incorporating the requirements of the Composite Correction Program Comprehensive Performance Evaluation.

1.4.2 Long Term Control Plan

The LTCP will address the overflows and unauthorized discharges from the CSS. Two separate plans will be submitted under this program as described below and outlined in Paragraph 24.b. of the Consent Decree.

1.4.2.1 Interim Long Term Control Plan

The Interim CSO LTCP was initially submitted to EPA and KDEP on February 10, 2006. MSD received an approval letter dated February 22, 2007, for the Interim LTCP. The approved Interim LTCP can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin.

This plan includes an overview of the MSD program, efforts taken to reduce/eliminate discharges from the CSS, and the list of proposed improvements to be accomplished by December 31, 2008. Refer to Appendix A-3 for a chart showing a schedule of the activities described in this section.

The following projects were completed or certified as complete during the reporting period:

- CSO 146 Solids and Floatables Control (Budget ID H07026) –The construction contract was awarded and the project was substantially completed by December 22, 2007. Per the Consent Decree deadline, the solids and floatables control structure was operational prior to December 31, 2007, and will be certified within 30 days.

The following projects were active during the reporting period:

- RTC at Southwestern Outfall SWOR2 (Budget ID I05055) – This project, part of Phase 2 of the RTC program, involves the installation of an inflatable dam for storage near the upper end of the Southwestern Outfall. Storage will primarily occur in the Upper Dry Run Trunk and the Mill Creek Trunk. The storage will be integrated into the Global Optimization RTC system. The construction contract was awarded during this period and a notice to proceed was issued. This project will be completed by December 31, 2008, in accordance with the Consent Decree.

- RTC at CSO 108 (Budget ID I03588) – This project, part of Phase 2 of the RTC program, involves improving the connection between the Beargrass Interceptor and the Beargrass Interceptor Relief Sewer and automating the control of flow through these systems and, therefore, Nightingale Pump Station. The design phase and permit negotiation continued during this period. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- Integration of Southwestern Pump Station/Main Diversion Structure/Morris Forman WTP (Budget ID I05056) – This project, part of Phase 2 of the RTC program, links the Southwestern Pump Station, Main Diversion Structure, and the MFWTP with the Global Optimization RTC system. The project design continued during this reporting period, and the project will be completed by December 31, 2008, in accordance with the Consent Decree.
- Integration of Wheeler Basin (Budget ID I05057) –This project, part of Phase 2 of the RTC program, employs additional controls to better utilize approximately one million gallons of storage in the trunk line that drains the Wheeler Basin. The design of this project was underway during this period. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- CSO 206 Separation (Budget ID I01061) – This project includes the separation of combined sewers on the most upstream CSO on Middle Fork of Beargrass Creek. The sewershed had been divided into 15 sub-areas. Construction on the separation of areas 1-9 has been completed. Separation of areas 10-12 was on-going during the reporting period. This project will be completed prior to March 31, 2009, in accordance with the Consent Decree.

1.4.2.2 Final Long Term Control Plan

Efforts associated with the final LTCP continued through this reporting period and included the following activities. Refer to Appendix A-4 for a chart showing a schedule of the activities described in this section.

- Continued development of the value-based risk management approach to evaluating control alternatives for both the LTCP and the SSDP. This development is part of the stakeholder process described in Section 1.5.3 in this document.
- Updated the cost estimating protocol to be used in both the LTCP and the SSDP.
- Identified, screened and developed preliminary CSO control strategies, for each of the CSOs.
- Completed work to update the ORSANCO Ohio River water quality model for the Louisville area.
- Completed an ecological survey for Beargrass Creek to assist with prioritization of CSO LTCP projects.
- Completed a survey of existing recreational uses of the Beargrass Creek and Ohio River in Jefferson County, and developed potential water quality compliance approaches for both water bodies.

- Continued water quality and in-stream hydraulic monitoring at selected receiving water locations to calibrate and validate a Water Quality Tool (WQT). The WQT will be used in the development of a Total Maximum Daily Load (TMDL) for the three branches of Beargrass Creek, and also in LTCP process to evaluate the effectiveness of various CSO and SSO control alternatives. The WQT is comprised of three integrated models (HSPF, XP-SWMM and CE-QUAL Riv 1). The Tool was calibrated and validated during this reporting period. Meetings to finalize the modeling begin load allocations, and drafting the TMDL report will be initiated during the next reporting period.
- Presented information about CSO locations, water quality impacts, and potential CSO mitigation strategies at the Project WIN public meetings described in Section 1.5.2. Feedback obtained from customers at these meetings will be used in developing and evaluating projects for CSO control.

1.5 Public Outreach, Education, Notification and Participation

In addition to the technical aspects of Consent Decree implementation, MSD has enhanced programs to inform, educate and involve both staff and the local community. The program is broken down into different components aimed at accomplishing the goals for Discharge Abatement Plan development, as well as Consent Decree program implementation. The programs involve basic understanding of the community's water quality challenges and the personal behavioral changes necessary for complete success. A description of the programs follows.

1.5.1 Public Outreach

MSD has developed a public outreach program aimed at educating the public on MSD's primary business functions with emphasis on wastewater, stormwater and flood protection. Presentations were given to numerous community groups during the reporting period. A portion of the presentation contains information related to the Consent Decree, including potential program direction and anticipated costs.

Below is a chronological summary of the general outreach activities during the reporting period.

October 2007	MSD co-sponsored a visit from ORSANCO's water quality education and demonstration boat - the P.A. Denny. The boat was docked at the Louisville waterfront for a week in October, providing education opportunities for JCPS students and the general public.
October 1, 2007	District 20 Town Hall Meeting
October 1, 2007	Joint Agencies Discussion on LID/Green Infrastructure
October 2, 2007	Presentation on Consent Decree, addressed rate increase and senior citizen discount.
October 2, 2007	JCPS meeting to discuss development of green infrastructure concept plans for three elementary schools located in the CSO area.
October 3, 2007	Environmental task force meeting - task force includes representatives of all government agencies with focus on partnerships and green building initiative.
October 9, 2007	City of Thornhill - Presentation on Consent Decree initiatives and any current or planned projects for area.

October 13, 2007	Rain Barrel Distribution
October 15, 2007	Site meeting with developer to discuss green alternatives and sanitary sewer issues within combined sewer area relating to the Consent Decree. Provided guidance on implementation of LID methods.
October 18, 2007	Crime Prevention Summit at Brandeis Elementary School - MSD staffed a table and distributed Project WIN educational materials, raffled one rain barrel and encouraged participation at upcoming scheduled events.
October 18, 2007	Project Win public meetings with residents
October 19, 2007	Met with Metro Works to explore partnering in a high profile beautification project underway, and proposal for alternative plan to install a bio-retention swale and curb inlets to direct stormwater flows away from the CSS to reduce CSO's. Opportunity for community education of green solutions in urbanized high traffic area.
October 24, 2007	Met to discuss green infrastructure possibilities at the MSD facilities Beargrass Creek /Letterle Pump Station.
October 25, 2007	Jeff. Co. League of Cities – presentation on the Consent Decree and recent rate increase
October 29, 2007	Bellarmine College – Executive Director's speaking engagement with college students to discuss the role of leadership in business and current consent decree initiatives in our community.
November 1, 2007	Climate change committee - Discussed how to involve partnering to achieve mutual environmental benefits.
November 6, 2007	Sustainable Cities Forum – Keynote Speaker
November 8, 2007	MSD participated in the 2007 Kentucky Restaurant Association Exposition on November 8, 2007, at Churchill Downs Race Track. MSD distributed FOG educational materials, as well as information on Project WIN to expo attendees and race going members of the public.
November 10, 2007	Rain Barrel Distribution
November 13, 2007	Green Opportunities and Partnerships between Metro agencies.
November 17, 2007	Butchertown Greenway Invasive Vegetation Removal and Native Tree and Shrub Planting
November 27, 2007	Metro Council Transportation & Public Works Committee - Presented overview of Consent Decree and the importance of continued support by Metro Council for future CD rate increases and bond rating for the community.
November 29, 2007	Ad campaign sponsorship 2008 - Met to discuss the focus of the High School marketing/advertising campaign to increases awareness about Project WIN initiatives and encourage community involvement.
December 11, 2007	Beechwood Wood Village Council Meeting - Updated residents on Consent Decree Project status
December 13, 2007	Met with the Louisville Metro Housing Authority to present MSD's obligations required by the Consent Decree and explore partnership and opportunities for implementing Green Infrastructure for Government owned properties.

December 14, 2007	MSD hosted a workshop on Pervious Concrete Hydrological Design and Resources training for the Kentucky Ready Mixed Concrete Association & The Kentucky Concrete Pavement Association.
December 15, 2007	Rain Barrel Distribution

In addition, MSD staff attended the following "District 12 Dialogues" at the request of Councilmember Blackwell:

October 16, 2007	Greenwood Elementary, 5801 Greenwood Rd.
October 24, 2007	Conway Middle School, 6300 Terry Rd
November 13, 2007	Doss High School, 7601 St. Andrews Church Road
November 21, 2007	Greenwood Elementary, 5801 Greenwood Rd

MSD staff also attended the following District 3 Town Hall Meeting at the request of Councilmember Mary Woolridge:

October 3, 2007	Hill St. Baptist Church**,** 2203 Dixie Highway

MSD staff also attended the following "Mayor's Community Conversations":

October 15, 2007	Seneca High School, 3510 Goldsmith Lane
November 19, 2007	Eastern High School, 12400 Old Shelbyville Road

1.5.2 Project WIN Public Meetings

As part of preparing the discharge abatement plans, MSD conducted a second round of Project WIN meetings during the reporting period.

The second round of public meetings provided an update on Project WIN progress, and obtained feedback from customers on the proposed Project WIN rate increase. The meetings also described the CSO and SSO issues that MSD is addressing, and illustrated this through a series of maps with the locations of the CSOs and SSOs, and the likely locations for abatement projects in the future. An overview of available control technologies and approaches also gave the public an indication of the types of projects that may be occurring in their neighborhoods in the future. Ample time was available for feedback from the general public on issues that affect their neighborhood.

The mechanisms for communicating this message included a PowerPoint presentation, summary handouts and brochures on the various programs discussed. Question and answer sessions followed each set of presentations.

Meetings were held on the dates and at the locations as follows:

October 29, 2007	The NIA Center
October 30, 2007	Fern Creek Firehouse
November 12, 2007	East Government Center
November 13, 2007	Fairdale Playtorium Center
November 20, 2007	Sun Valley Community Center
November 27, 2007	Clifton Center
December 4, 2007	Shawnee Golf Course Club House

Copies of the PowerPoint presentation, the handouts and all the brochures distributed at the Project WIN meetings can be found on the Project WIN website described in Section 1.5.4.

1.5.3 Wet Weather Team Meetings

The process of organizing a Wet Weather Team (WWT) as outlined in Consent Decree Paragraph 22 has been completed and WWT meetings are underway. Two WWT meetings were held during this reporting period, as detailed below.

- October 18, 2007 – This meeting continued discussions on SSO elimination approaches, with a focus on inflow and infiltration (I&I) removal. Project WIN funding methods were discussed, as the first in a series of discussions about the funding approaches. The draft outline of the Wet Weather Plan was also distributed for comment.
- December 6, 2007 – This meeting continued the discussion of I&I control approaches, and dealt specifically with the draft private property ordinance that has been proposed to Louisville Metro government. Further discussions of funding approaches were held.

All information provided to the WWT is available on the Project WIN website, at www.msdlouky.org/projectwin.

1.5.4 Public Education and Notification

MSD produced and distributed a number of products aimed at educating the community on the objectives of Project WIN and how to lessen the risks associated with coming into contact with sewage overflows. Descriptions of these products are provided in sections 1.1 and 1.2 of this report.

MSD also posts Project WIN information on the website. On MSD's home page, the Project WIN area provides important information on the condition of area streams, and shows a warning if overflows are likely to be happening or have happened in the past 48 hours. Clicking on the Project WIN logo brings up the Project WIN site, which includes a repository of public documents related to Project WIN, tips for customers to help control overflows through their personal actions, information about the history and background of Project WIN, and a place to sign up for overflow advisory emails warning when significant precipitation has caused overflows in MSD's system.

Project WIN Capital Project Signs have been developed and are available for posting at Project WIN jobsites.

MSD has developed an annual "calendar" of public information activities for the upcoming year. It is anticipated that the calendar will address unique activities such as Project WIN public meetings held in support of SSDP and LTCP development, and also repetitive information and outreach activities. An example of repeating activities is MSD's plan to develop and disseminate information about control of household fats, oils and grease prior to the holiday season. MSD anticipates repeating this message every year before the holidays. Messages will also be developed and disseminated prior to the winter wet weather season, the summer recreation season and the autumn lawn-clean-up season.

The following materials were developed for distribution within this reporting period:

- FOG postcard with plastic grease scraper
- A "Holiday Tips" postcard was mailed to MSD customer accounts.

The following materials were under development during this reporting period:

- FOG brochures geared toward residential customers as well as and commercial food service establishments
- SSO brochure

Information related to this Consent Decree and Project WIN may be found at www.msdlouky.org/projectwin.

SECTION 2: Performance Overview

2.1 Unauthorized Discharges to Waters of the United States

Appendix B includes information related to MSD's discharges to waters of the United States for the reporting period. This information is entered and maintained in the Hansen Information Management System (Hansen) utilizing procedures reviewed and improved through efforts associated with various components of the Consent Decree. These discharges have been reported to KDEP and EPA through automated email, telephone calls and monthly wastewater treatment plant discharge monitoring reports (DMRs).

2.2 Overflows to Ground

MSD records information related to overflows to the ground that did not reach waters of the United States for the reporting period. This information is entered and maintained in Hansen utilizing procedures reviewed and improved through efforts associated with various components of the Consent Decree. These overflows will be included in the FY 2008 Annual Report for the period of July 1, 2007 through June 30, 2008.

2.3 Overflows to Interior

MSD records information related to overflows to building interiors for the reporting period. This information is entered and maintained in Hansen utilizing procedures reviewed and improved through efforts associated with various components of the Consent Decree. These overflows will be included in the FY 2008 Annual Report for the period of July 1, 2007 through June 30, 2008.

2.4 CSO Reductions

Appendix C includes the June 30, 2007 version of modeled Annual Average Overflow Volume (AAOV) for the permitted CSOs. No projects were completed during this reporting period that impacted modeled AAOV from permitted CSOs.

Appendix D includes CSO flow monitoring information for the reporting period. During this reporting period, the flow monitor at CSO 211 was out for a portion of the time and CSO125 data collection started in November when a meter was installed.

2.5 SSO Reductions

Estimation of SSO volume is not available in the same manner as it is for the CSO locations. The SSO volume reductions are estimates based on actual observations or from flow monitoring information. The Acushnet Pump Station was eliminated in the reporting period in an effort to reduce or eliminate SSOs.

SECTION 3: Project WIN Program Activities for the Next Reporting Period

This section describes the anticipated projects and activities (CMOM activities can be found in Section 4 of this document) that are scheduled to be performed during the next reporting period (January 1, 2008, through March 31, 2008) for continued compliance with the Consent Decree.

3.1 Nine Minimum Controls Implementation

Implementation of the NMC program is an on-going initiative. MSD will continue to review programs and assess the need to employ programmatic enhancements and CSS improvements. Specific enhancement activities to be implemented during the next reporting period, over and above the routine activities already in place and discussed in Section 1.1, are as follows:

NMC 1: Proper Operation and Maintenance Program

- Construction activities will continue to remove the mechanical regulators within the CSS on the last three regulators at CSO 108, CSO 118 and CSO 132.
- Revisions to the CSO components will be made in Hansen to show that the regulators have been removed.

NMC 2: Maximization of Storage in the Collection System

- Continuation of the review of flood pump stations within the CSS to determine if additional operational modifications are feasible, further maximizing operations and efficiently transporting more flow to the MFWTP for treatment.
- Completion and bidding of RTC Phase II Final Design, which includes the four RTC projects described in Section 1.4.2.1 Interim LTCP. RTC Phase II construction is to be completed by December 31, 2008, as required within the Consent Decree.
- Evaluation of the need to add flapgates to the CSO outfall pipes, further limiting the possibility for inflow of river/creek water into the CSS during high stream flow events.

NMC 3: Review and Modification of Pretreatment Requirements

- Completion of the Threat Matrix exercise to determine the NDDs which have the greatest potential to impact the stream during wet weather events. These NDDs will undergo further evaluation of the potential implementation of controls. Follow-up inspections and meetings will be conducted at each NDD to discuss the requests listed in their respective letters and to review forms used to document impact minimization activities.
- Continued implementation of the CSO-SIU project in conjunction with the LTCP preparation.

NMC 4: Maximization of Flow at the Morris Forman Wastewater Treatment Plant

- Evaluation of alternatives to sodium hypochlorite for disinfection during high flows. A successful replacement or addition may allow MSD to improve disinfection system effectiveness at high flows to ensure that disinfection performance does not become a constraint on treatment capacity.

- Begin development of a system to track and continuously display the availability of the critical (i.e. rate-limiting) unit processes, the percentage of time the full firm capacity of the treatment system is available to treat wet weather flows, and the percentage of time during wet weather events that the plant operates within 95% of the peak flow capacity of the plant as determined by the capacity calculator.
- Complete the RTC Phase II final design. RTC Phase II includes a project that will allow the RTC computer system to regulate the flows into MFWTP, based on the current availability of treatment trains. Construction is to be completed by December 31, 2008, as required within the Consent Decree.

NMC 5: Elimination of CSOs During Dry Weather

- Evaluation of dry weather overflows, with emphasis on the CSS, to determine causes and to determine the need for corrective activities, such as the addition of backup generators.
- Continue the analysis of locations throughout the District that historically have experienced excessive accumulation of fats, oils or greases (FOG) in sewers to determine if an engineered solution could cost-effectively and efficiently solve the maintenance problem.

NMC 6: Control of Solid and Floatable Materials in Combined Sewer Overflows

- Development will begin on an expanded visual inspection program to determine the efficiency of installed controls.
- The CSO 146 solids and floatables control baffle vault was operational by December 31, 2007, and will be certified in accordance with the Consent Decree by January 31, 2008.

NMC 7: Pollution Prevention Programs to Reduce Contaminants in CSOs

- Continue to facilitate clean sweep events and coordinate volunteers to remove trash and debris from the waterways in Jefferson County. An X-Stream Clean Sweep event is scheduled for March 15, 2008, for Pond Creek, Beargrass Creek, Bee Lick and the Portland watersheds.
- Continue to develop a rain garden manual outlining design and installation procedures for homeowners.
- Facilitate rain barrel give-away events and a spring sale.
- Prepare and distribute informational pieces, targeted to inform customers and residents on activities that can be practiced within their homes to assist in the reduction of overflows within the collection system. See NMC 8 for more details.
- Continue to promote Green Infrastructure initiatives within Jefferson County, such as pervious pavement.
- Schedule cleaning of the strip of pervious concrete along the curb-line at the main office in downtown Louisville. Video documentation of process is planned.

- Continue coordination with Louisville Metro staff for programs such as street sweeping, Operation Brightside, "Adopt-a-Highway" cleanup programs, and litter pick-up activities to maximize the efficiency of those operations and determine the amounts of materials as they relate to preventing solids and floatables from entering the CSS.

NMC 8: Public Notification

- Inspect the Overflow Advisory Signs annually, before May 1, which is the official start of the recreational contact season in Kentucky. Missing or damaged signs will be replaced.
- Distribute informational material, by May 1, providing a general overview and awareness relating to public health impacts associated with sewer overflows and an update of Project WIN initiatives.
- Distribute information material, by May 1, to residents living within 500 feet of the Ohio River and Beargrass Creek, alerting them to wet weather issues, particularly how to minimize the risks of coming into contact with water that may contain sewage.
- Finalize a Recreational Contact Survey detailing the extent of potential human contact to impacted waterways during the recreational season. This survey was conducted by visual observations of recreational use in and nearby key locations along Beargrass Creek and the Ohio River within Jefferson County. The results of the study will be analyzed to determine if additional signage, information displays or other public notification efforts are warranted at locations of high use.
- Continue efforts to partner with various media outlets, including television media, to serve as a conduit for disseminating information to the public.

NMC 9: Monitoring to Characterize CSO Impacts and the Efficacy of CSO Controls

- Development will begin on an expanded visual inspection program to determine the efficiency of installed controls.
- MSD will plan for the sampling upstream and downstream of CS0 206 during dry and wet weather to establish baseline conditions prior to its elimination. Wet weather sampling will also continue on a large scale within the Beargrass Creek watershed in anticipation of a rainfall in excess of 1-inch.
- MSD will perform monitoring to characterize CSO impacts. MSD will continue to monitor its largest CSO for flow volume to continue to define the wet weather contribution of the overflows to the stream. United States Geological Survey (USGS) will begin installation of a "side-looking" stream flow gauge near the mouth of Beargrass Creek and its confluence with the Ohio River to more accurately measure the backflow effects from the river on the stream and tie this data to dissolved oxygen readings in the area. Sonde data will continue to be collected through the USGS Automated Data Processing System (ADAPS) site and additional quality control review procedures will be defined.
- The InfoWorks combined sewer model will be calibrated in preparation for simulating the CSO mitigation projects to be included in the final LTCP. CSO mitigation projects will be simulated within the model and analyzed for efficacy and collective impact. Additionally,

this model will be integrated with the contributing separate sanitary sewer service areas into a complete sewer model for all areas flowing to the MFWTP.

- The WQT for the Beargrass Creek Watershed and the Ohio River model will be calibrated and pollutant load allocations will be simulated to attribute load to each source. The CSO control projects and their overflow volume reduction will be simulated within both models and the LTCP ability to meet water quality standards will be reviewed. Overall impacts of CSOs on receiving streams will be summarized using the results of these models combined with professional opinion of model limitations and additional environmental parameters. Water quality model development for other areas in MSD's service area will be considered.

3.2 Sewer Overflow Response Protocol (SORP) Implementation

The following activities will be performed in the next reporting period as identified in the approved SORP:

Overflow Management and Field Documentation

- Initiate the field review of SORP procedures to both ensure successful implementation and to assist with the annual SORP overall review.

Public Notification and Communication

- Annual inspection of Overflow Advisory signs, as described in Section 3.1 NMC 8, will be scheduled. Documentation of the process to inspect and create repair/replacement work orders in Hansen will be completed. Schedules will be set up in Hansen so the annual inspection can be scheduled for the spring of each calendar year.
- The XY coordinates for all signs are scheduled to be added to the Hansen Inventory.

Regulatory Reporting and Data Management

- Review of Discharge Work Orders will continue and assets will be updated to reflect status.

Staff Training and Communication

- SORP Training will be evaluated for effectiveness and adjustments implemented based on staff input.

Annual SORP Review

- MSD will initiate the annual SORP protocols and procedures review. Once review is completed, any modifications will be submitted to EPA and KDEP for review and approval.

3.3 Discharge Abatement Plans

The schedules for the discharge abatement plans (SSDP and LTCP) are shown in Appendix A. While the schedules are shown separately, many of the same activities are required, such as alternative development and evaluation, performance evaluations, etc. In addition, some of the activities such as affordability evaluation and rate impacts are programmatic in nature, applying

to both discharge abatement plans. These are scheduled to be completed on an integrated program rather than the individual components.

3.3.1 Sanitary Sewer Discharge Plan

As noted previously, the schedule for development of the Sanitary Sewer System discharge abatement plan is shown in Appendix A.

3.3.1.1 Updated SSOP Implementation

The following projects are under design and/or construction, and will be active during the next reporting period: Refer to Appendix A-1 for a chart showing a schedule of the activities described in this section.

- Broadfern Pump Station Upgrade (Budget ID F02327) - Two new dry pit pumps were installed along with new suction and discharge piping and pump level controller. Installation was completed and an initial round of performance testing completed on December 28, 2007. The test results were inconclusive and therefore additional testing is needed and will be completed in January 2008. As soon as the testing is completed, a certification letter will be submitted in accordance with the Consent Decree.
- Fern Hill Subdivision Interceptor #8 (Budget ID C94086) – This project will allow for the elimination of the Holly Oaks Pump Station, a documented SSO. Necessary easements will be negotiated during the next reporting period, in order to complete the construction by March 30, 2009, in accordance with the Consent Decree.
- Thurman Drive Pump Station Elimination (Budget ID B06299) - The design is complete and a contract for construction was awarded in December 2007. Construction will be underway in January 2008. This project will be completed by September 30, 2008, in accordance with the Consent Decree.
- Zabel Way Pump Station Elimination (Budget ID C06295) - The design will be completed and MSD will negotiate the necessary easements during the next reporting period. Construction will be completed by September 30, 2008, in accordance with the Consent Decree.
- Murray Hills Area Pump Station Upgrades (Budget ID F06297) – This project scope was revised after operating records were analyzed and it was determined that the Acushnet Pump Station (in the Murray Hills area) was the primary station in need of elimination. The design of this project was completed in June 2007 and construction began in October 2007. The flow from the Acushnet PS was diverted to a gravity sewer in December. The project will be completed prior to September 30, 2008, in accordance with the Consent Decree.
- Interceptor Condition Assessment Phase 1 (Budget ID H04272) – The inspection portion of the Interceptor Condition Assessment Phase 1 (Budget ID H04272) was completed prior to July 1, 2006. In the next reporting period, MSD will schedule and begin corrective/rehabilitation projects to address the Phase 1 findings from the Interceptor Condition Inspections. Project will be completed prior to December 31, 2008, in accordance with the Consent Decree.

3.3.1.2 Interim Sanitary Sewer Discharge Plan (ISSDP)

The ISSDP was submitted on September 30, 2007, in accordance with the Consent Decree. The actual submittal and the implementation of this plan, upon approval, will continue during the next reporting period, with preliminary engineering, route selection, easement acquisition and related activities underway on the following projects:

- Beechwood Village – The proposed plan will include the replacement of the neighborhood sanitary sewer collection system to reduce the inflow and infiltration to the Sinking Fork Interceptor. The scope will include installing new property service connections to individual homes and possible plumbing improvements in nearly 600 residences. In addition, the hydraulic constriction of the downstream Sinking Fork Interceptor at the Shelbyville Road crossing will be relieved with the addition of a Sinking Fork Relief Sewer.
- Highgate Springs and Hikes Point Area – The proposed plan will include a new Hikes Lane Interceptor that will convey the wastewater upstream of the Highgate Springs Pump Station to the Southeast Interceptor, downstream of the Southeast Diversion Structure. This will allow the elimination of the Highgate Springs Pump Station. In addition, there are improvements to several existing sewers in the Hawthorne area which are caused by the excessive flows in the Goldsmith Trunk Sewer that will need to be expanded in order to eliminate the need for wet weather manhole pumping in the Hikes Point area.
- Southeast Diversion Structure - Construction will be required for a new relief interceptor parallel to the Southeast Interceptor from the Southeast Diversion Structure to the Northern Ditch Interceptor. A new junction structure is expected to be constructed to connect this relief sewer to the proposed Hikes Lane Interceptor and Buechel Branch Interceptor.
- West County WTP Wet Weather Equalization and Treatment Project - Improvements described in previous three paragraphs will result in significantly more wet weather flow in the West County WTP and MFWTP service areas. The proposed plan will include the installation of a new interceptor parallel to the Northern Ditch drainage channel, allowing wet weather flow to be diverted from the MFWTP service area (currently through the Northern Ditch Pump Station) to the West County WTP service area. Construction of flow equalization and high-rate secondary treatment at the West County WTP will be completed by December 31, 2011, in accordance with the Consent Decree.

3.3.1.3 Final Sanitary Sewer Discharge Plan

Refer to Appendix A-2 for a chart showing a schedule of the activities described in this section. The hydraulic models for the regional treatment plant sewersheds (Jeffersontown, Floyds Fork, Cedar Creek, Hite Creek and West County) and the sanitary sewer sub-sewersheds that are tributary to the MFWTP will be completed, calibrated, and validated. Work will continue on development and evaluation of SSO elimination alternatives. The evaluation of alternatives will use a standard cost estimating tool to allow for cost comparisons between sewersheds. The development of the benefit/cost evaluations will also use a standard tool that uses the value based the risk-management approach to quantifying benefits that was developed through the Wet Weather Team Stakeholder Group. For SSOs occurring in the sewersheds of the small

treatment plants, the development and evaluation of mitigation approaches will begin using more limited modeling approaches. It is anticipated that the initial development of alternatives will be complete and a preliminary project list identified within the next reporting period. The process of evaluating and prioritizing alternatives will continue through the entire reporting period.

With the identification of SSO elimination alternatives, these analyses may identify alternatives that result in additional flows being routed to wastewater treatment plants (either regional or small plants). For those plants that are projected to receive additional flows as a result of overflow elimination projects, a capacity review of that plant will be conducted in accordance with EPA guidance documents. Note that this evaluation will draw upon the results of capacity analyses already underway as part of the CMOM program. It is not known yet which plants will require capacity analyses for the SSDP. It is anticipated that most of the capacity evaluations will be essentially complete by the end of the next reporting period, and the resultant project costs included in the overall evaluation of alternatives.

An outline of the final SSDP will be completed during the next reporting period, and work on drafting text for background sections will be initiated.

A review of EPA affordability guidelines will be completed during the next reporting period. It is also anticipated that discussions with regulatory agencies will be initiated during the next reporting period, to ensure that the regulatory compliance approach is understood and accepted by all involved parties.

3.3.2 Long Term Control Plan

As noted previously, the schedule for development of the LTCP is shown in Appendix A.

3.3.2.1 Interim Long Term Control Plan

The following projects are under design and/or construction, and will be active during the next reporting period: Refer to Appendix A-3 for a chart showing a schedule of the activities described in this section.

- RTC at Southwestern Outfall SWOR2 (Budget ID I05055) – This project, part of Phase 2 of the RTC program, involves the installation of an inflatable dam for storage near the upper end of the Southwestern Outfall. Storage will primarily occur in the Upper Dry Run Trunk and the Mill Creek Trunk. The storage will be integrated into the Global Optimization RTC system. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- RTC at CSO 108 (Budget ID I03588) – This project, part of Phase 2 of the RTC program, involves improving the connection between the Beargrass Interceptor and the Beargrass Interceptor Relief and automating the control of flow through these systems and, therefore, Nightingale Pump Station. The design of this project will continue during the next reporting period and will be completed by December 31, 2008, in accordance with the Consent Decree.
- Integration of Southwestern Pump Station/Main Diversion Structure/Morris Forman Wastewater Treatment Plant (Budget ID I05056) – This project, part of Phase 2 of the RTC program, links the Southwestern Pump Station, Main Diversion Structure, and the

MFWTP with the Global Optimization RTC system. The design of this project will continue during the next reporting period and will be completed by December 31, 2008, in accordance with the Consent Decree.

- Integration of Wheeler Basin (Budget ID I05057) – This project, part of Phase 2 of the RTC program, employs additional controls to better utilize approximately one million gallons of storage in the trunk line that drains the Wheeler Basin. The design of this project will continue during the next reporting period and construction will be completed by December 31, 2008, in accordance with the Consent Decree.
- CSO 146 Solids and Floatables Control (Budget ID H07026) – In accordance with the Consent Decree, a solids and floatables control capital project at CSO 146 was operational on December 22, 2007 with the construction contract to be completed during the first quarter of 2008.
- CSO 206 Sewer Separation (Budget ID I01061) – Areas 10 through 12 of this project are under construction, separating sanitary from storm sewer flow, and the entire project will be completed in accordance with the Consent Decree by March 31, 2009.
- CSO 206 Sewer Separation (Budget ID I01062) - Areas 13 through 15 (of 15 total) of this project will have final design completed, the contract will be bid during the next reporting period and construction will commence prior to June 30, 2008. This project will be completed in accordance with the Consent Decree by March 31, 2009.

3.3.2.2 Final Long Term Control Plan

A brief description of the major activities planned in the next reporting period is contained in the following paragraphs. Refer to Appendix A-4 for a chart showing a schedule of the activities described in this section.

The hydraulic model of the CSS will be completed, calibrated and validated. The models of the sanitary sewer system sewersheds that are tributary to the CSS will be merged into the CSS model, to allow a comprehensive evaluation of the impacts of SSO control projects on the CSS.

Modifications have been completed on the Ohio River Valley Water Sanitation Commission (ORSANCO) model of a segment of the Ohio River in the vicinity of Louisville. During the next period the model will begin to be used in evaluating the impacts of CSOs on the water quality of a large river and resulting benefits of a range of CSO abatement scenarios. If final model results confirm the preliminary findings, a water quality standards review may be performed in accordance with the CSO Policy and LTCP development guidance to address the inability of CSO controls to achieve water quality standards for bacteria during significant wet weather events. A potential approach will be drafted for review with regulatory agencies.

Water quality and in-stream hydraulic monitoring will be continued at selected receiving water locations, making data available to refine calibration of the Beargrass Creek Water Quality Tool. This tool will be used in the development of a TMDL for Beargrass Creek, and also in LTCP process to evaluate the effectiveness of various CSO control alternatives. In addition to the ongoing CSS flow monitoring work, MSD is performing flow monitoring on approximately 22 CSO outfalls. Data obtained as part of this monitoring effort will be used to validate the CSO model and provide general guidance on the operational characteristics of the CSS.

In parallel with model development and calibration, work will continue on developing a wide range of alternative CSO control, and a preliminary engineering review of potential alternatives completed. This preliminary engineering review will screen potential alternatives based on a variety of factors related to protecting the community values identified by the WWT Stakeholder Group, including an assessment of the potential hydraulic and pollutant reduction, probable benefits towards achieving water quality objectives, consideration of sensitive areas, and probable costs. The hydraulic and water quality models will be used to begin sizing abatement alternatives and assessing the potential benefits of each alternative. The alternatives will be evaluated using the same standardized cost estimating tools and benefit/cost templates to ensure that the benefit/cost evaluations are on the same basis as is being used in the SSDP development. Preliminary alternative development is scheduled to be completed during the next reporting period, and the process to consolidate, validate, and prioritize potential abatement approaches will continue through the entire reporting period.

A review of EPA affordability guidelines will be completed during the next reporting period. It is anticipated that discussions with regulatory agencies will be initiated during the next reporting period, to ensure that the regulatory compliance approach is understood and accepted by all involved parties. It is expected that these discussions will clarify a proposed approach to the use of either the "presumptive" or "demonstrative" approach to water quality compliance.

3.4 Public Outreach, Education, Notification and Participation

The public participation process consists of several related components: Stakeholder involvement as part of the WWT; public outreach through community meetings and MSD's Speaker's Bureau; public education through MSD mailings, brochures, newsletters and MSD's webpage; and, public input through a series of public meetings and a public hearing.

3.4.1 Public Outreach

A series of public outreach meetings will be held during the next reporting period. The intent of these meetings is to discuss with the public the extent of the CSO and SSO issues, and potential mitigation/elimination strategies. This will be an opportunity to hear from the public what concerns they have about projects that might occur in their neighborhood, and what other opportunities for problem solving they might see.

Below is a chronological summary of the general outreach activities scheduled to occur during the next reporting period.

January 3, 2008	Meeting with Metro Public Works about bioswales for Meyzeek Middle School
January 19, 2008	The theme for the 2008 KY Derby Festival Conference is "Going Green!" The KY Derby festival committee has requested a representative from MSD to sit on the panel and talk about Green Initiatives
January 24, 2008	Keynote Speaker for Annual Meeting of Salt River Watershed Basin
January 26, 2008	Volunteer event - Invasive Plant Removal with Living Lands and Waters and Metro Parks along Butchertown Greenway

February 8,15,22,28,	Stormwater Management and Rain Garden Design Class for Louisville Youthbuild
February 5, 2008 – April 22, 2008	MSD is sponsoring the 2008 Advertising Federation HS campaign. The Challenge: This year's marketing challenge is to create a marketing/advertising campaign that increases awareness about MSD's Project WIN and encourages our community to prevent both point and non-point sources of water pollution when possible.
February 6, 2008	Presentation on Consent Decree, Disconnect Down Spouts to Douglass Blvd. Neighborhood Association
February 12, 2008	Presentation on Using Native Plants for Stormwater Infiltration to Wild Ones Louisville Chapter
February 22, 2008	Kentucky Nurseryman Association – Keynote Address
February 23, 2008	Volunteer event – Invasive Plant Removal with Metro Parks and Living Lands and Waters
March 7, 8, 14, 21, 22, 2008	Professional development workshops for Living Lands and Waters on Consent Decree Stormwater Management
March 7,14, 2008	Stormwater Management and Rain Garden Design Class for Louisville Youthbuild
March 15, 2008	X-Stream Clean Sweep for Pond Creek, Beargrass, Bee Lick and Portland areas

MSD staff is scheduled to attend the following "District 12 Dialogues" at the request of Councilmember Blackwell during the next reporting period:

January 15, 2008	Incarnation Catholic Church - 2229 Lower Hunters Trace
February 19, 2008	Hillview Baptist Church -5319 Dixie Highway
March 18, 2008	Beechland Baptist Church - 4613 Greenwood Rd.

The following Mayor's Community Conversation meetings are scheduled for the next reporting period:

January 28, 2008	Stuart Middle School large gym, 4601 Valley Station Rd
February 18, 2008	Atherton High School small gym, 3000 Dundee Rd
March 17, 2008	Butler High School small gym, 2222 Crums Ln

3.4.2 Project WIN Public Meetings

During the next reporting period, MSD will be planning the third round of public meetings to provide an update on progress of the community's Consent Decree compliance, and to obtain input on the discharge abatement plans being developed. The first round of meetings informed the public about the Consent Decree, about Project WIN, and what individual homeowners can do. The second round of meetings provided an update on Project WIN progress, and obtained feedback from customers on the proposed Project WIN rate increase.

The third round of public meetings is scheduled for April and for May 2008. The purpose of these meetings will be to present preliminary overflow abatement projects tentatively planned in the areas near the meeting center. Public input will be solicited relative to project location,

project appearance and project integration into the surrounding neighborhoods. Input from the public obtained during these meetings will be used to shape the final configuration of projects that are proposed for inclusion in the Wet Weather Plan.

3.4.3 Wet Weather Team Meetings

The WWT has been formed and regular meetings are being conducted approximately every four to six weeks during this reporting period. As previously discussed, this team will address the issues related both to the development of the SSDP and LTCP. Although the meetings are shown in both schedules, they are the same. The stakeholder component of this team is comprised of community leaders, environmental advocates and industry representatives. The stakeholder group will assist MSD in the development and implementation of programs and projects that will satisfy the requirements of the Consent Decree while meeting the level of service objectives of the community.

The schedule of WWT meetings, along with the meeting topics, planned for the next reporting period is as follows:

- January 15, 2008 – In this meeting the preliminary results of water quality modeling updates for the Ohio River and Beargrass Creek water quality models will be presented. A discussion on the regulatory compliance impacts of the model results is scheduled. A discussion of the impacts of the different financing methods discussed previously is scheduled, along with the start of discussions about potential refinements to the MSD rate structure.
- February 26, 2008 – This meeting will include a report on green infrastructure opportunities in the community. A further discussion of regulatory compliance approaches is scheduled, along with discussions about CSO control approaches.

3.4.4 Public Education and Notification

MSD is developing an annual "calendar" of public information activities for the upcoming year. It is anticipated that the calendar will address unique activities such as Project WIN public meetings held in support of SSDP and LTCP development, and also repetitive information and outreach activities. An example of repeating activities is MSD's plan to develop and disseminate information about control of household fats, oils and grease prior to the holiday season. MSD anticipates repeating this message every year before the holidays. Messages will also be developed and disseminated prior to the winter wet weather season, the summer recreation season and the autumn lawn-clean-up season.

The following materials will be developed for distribution within the next reporting period:

- New Year's Resolutions local magazine advertisements in Today's Woman and the Louisville Magazine
- New Year's Resolution poster distribution contest for MSD staff
- Continued development of FOG and SSO brochures

Information related to this Consent Decree and Project WIN may be found at www.msdlouky.org/projectwin.

SECTION 4: Capacity Management Operations and Maintenance (CMOM)

4.1 Program Activities for Reporting Period (October 1, 2007 to December 31, 2007)

Per Paragraph 23.c of the Consent Decree, the Capacity Management Operations and Maintenance (CMOM) Self Assessment Report was submitted to EPA and KDEP on February 10, 2006. MSD received a letter of approval on August 22, 2006. The approved CMOM document can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin. Highlights of the CMOM program implementation over this reporting period are outlined below:

MSD continued to implement the recommendations from the CMOM Self-Assessment report. The activities are being performed using a combination of in-house resources and consultants. A summary of the activities which occurred during this reporting period is presented below. Refer to Appendix A - 5 for a chart showing a schedule of the activities described in this section

4.1.1 Activities for this Reporting Period (October 1, 2007 to December 31, 2007)

- M-D-3 Implement Utility Information Management (UIM) Support Plan (Due October 31, 2007). MSD's Information Technology Division created electronic dashboards to readily display MSD's operating results along with the performance targets established by MSD management. The dashboards import data that is already tracked in various MSD databases (Hansen, LIMS) and present the data in a graphical display, which include alerts, to keep management appraised of whether MSD is meeting its goals and objectives.

- M-E-3 Initial Continuing Sewer System Assessment (Due December 31, 2007). MSD purchased and installed the Hansen Advanced Asset Management (AAM) module to fully utilize existing asset data in the analyses needed for the Continuing Sewer System Assessment (CSSA) program. MSD held a series of workshops with Hansen and CH2M HILL to train staff, implement the AAM module and perform the initial CSSA. A Technical Memorandum was prepared to document the results of the initial CSSA and the methodologies for condition assessment and prioritization. The TM also established recommendations for further refinement of the asset management program for system wide application and for infrastructure rehabilitation and replacement projects and maintenance actions.

- M-E-8 Current and Committed Capacity (Due February 28, 2008). MSD continued to refine a Capacity Certification program to address available system capacity for an expanding service area.

- M-E-10 Available Capacity SOP (Due February 28, 2008). MSD continued to work on the process to regularly review and update the capacity of operating assets, and the current, committed and projected wastewater loads. This process identifies current or projected capacity problems on a regular basis, and identifies mitigation approaches or capacity improvement projects to address limitations. MSD continued to build and calibrate the comprehensive hydraulic models of the combined and separate sanitary sewer service areas. In addition to supporting the discharge abatement plans, these models will be used to support future evaluations of new connection requests. The models include sanitary sewers 8-inch and larger in diameter and combined sewers 18-inch and larger in diameter.

- M-H-2 Inventory and Spare Parts Plan (Due December 31, 2007). MSD developed a strategic inventory and spare parts plan. The Inventory and Spare Parts Plan optimized spare parts and tools procurement, storage, and checkout procedures. A Technical Memorandum documenting the Inventory and Spare Parts Plan was prepared.
- M-K-1 Water Quality Data Access (Due October 30, 2007). MSD has been collecting environmental data sets for years and housing the data in various locations and formats. The data sets include: precipitation, stream flow, sewer flow, biological stream, sonde and laboratory. In order to improve water quality data access, MSD developed queries and standardized reports to make the data more accessible. MSD has also formatted databases to be more consistent and converted text files into Access Databases. A Technical Memorandum documenting the water quality data access was prepared.
- M-L-1 Implement Back-up Power (Due December 31, 2008). (Budget ID F07226) MSD installed and successfully tested the generator at the Westover Pump Station. Construction continued on the installation of the generators at Wind Ridge, Trail Ridge, Breakwater and Grand Isle pump stations. MSD also awarded construction contracts for the installation of generators at Anchor Estates #2, St. Patrick and Fairway Lane pump stations during the reporting period.
- O-A-5 Identify Facility Upgrades (December 31, 2007). MSD Engineering staff developed a schedule to meet with Operations staff on a monthly basis to determine capital project priorities. On a quarterly basis this information is used to adjust budgetary needs.
- O-D-1 Fats, Oil and Grease (FOG) Program (Due December 31, 2007). MSD completed the evaluation of its FOG Program pertaining to the public education activities evaluation. Educational materials were distributed at public events where MSD was a participant. Materials were also distributed to inform residents in areas with collection system blockages due to residential sources of FOG.
- O-F-3 Flow Monitoring Program (Due September 29, 2008). MSD continued to develop a long term flow monitoring plan that includes 45 locations for permanent sewer flow monitors. The flow monitoring plan includes equipment for measurement and telemetry.
- S-C-1 Gravity Line PM Risk Evaluation (Due January 31, 2008). MSD continued to develop an overall plan for preventive maintenance of gravity sewers. As part of this effort MSD is developing a staffing and resource plan for the division that maintains the sewers (sanitary, storm and combined) to ensure that the proper resources are available to maintain the system.

4.1.2 Continued CMOM Program Implementation for this reporting period

Although the program implementation deadlines from the CMOM Self Assessment Report were previously met, MSD continued to enhance the following activities during this reporting period:

- M-E-2 Design and Construction Standards. MSD continued to review its design and construction standards to identify opportunities to reduce inflow and infiltration of new construction.

- M-J-1 Ordinance Private Property. MSD discussed the draft ordinance with the Wet Weather Stakeholder Team and obtained comments.
- O-A-1 Update Pump Station SOPs. MSD reviewed the SOPs for the flood pump stations. Based on the review of the SOPs, MSD determined that flow schematics should be prepared to show the flow path and gate positions for various modes of operation.
- S-A-1 Modify/Develop PS PM Plan. MSD continued the process of updating its preventive maintenance and inspection plan for its flood pump stations based on a review of the US Army Corps of Engineers Inspection Guide. Several of the flood pump stations provide sanitary and/or combined sewerage capabilities.
- S-B-2 Implement Force Main and Air Relief Valve Preventive Maintenance Program. The program was implemented in June 2007. The following force mains were inspected over this reporting period:
    - ParkRidge (November 07)
    - Rosa Terrace (November 07)
    - Chenoweth Run (November 07)
    - Floydsburg (October 07)
    - Kavanaugh Court (October 07)
    - Kavanaugh Rd (October 07)
    - Pope Lick (November 07)
    - Lakelet Way (November 07)
    - Mockingbird Valley (December 07)

4.2 Program Activities for the Next Reporting Period (January 1, 2008 to March 31, 2008)

Section 4.2.1 describes those activities that are still in progress and have upcoming deadlines. Refer to Appendix A-5 for a chart showing a schedule of the activities described in this section.

4.2.1 Activities for Next Reporting Period (January 1, 2008 to March 31, 2008)

- M-E-4 Annual Continuing Sewer System Assessment Update (Due December 31, 2008). The Annual Continuing Sewer System Assessment (CSSA) Update Report will address accomplishments for each fiscal year and identify specific infrastructure rehabilitation/replacement projects and O&M actions based on asset condition assessment. The Annual CSSA Update Report will also propose areas of the system to assess for the coming year.
- M-E-5 Continuing Sewer System Assessment (Due June 30, 2008). The Continuing Sewer System Assessment (CSSA) will provide information needed to prioritize condition assessment projects. The CSSA will use Condition Assessment data to identify and prioritize rehabilitation projects in the annual CSSA Update Reports. MSD

will use the results of the Interceptor Condition Assessment Phase 1 (Budget ID H04272) project to schedule corrective/rehabilitation projects to address the Phase 1 findings.

- M-E-8 Current and Committed Capacity (Due February 28, 2008). Treatment plant capacity and new development flow tracking will be streamlined as the Capacity Certification program is completed.
- M-E-9 Build-Out Capacity (Due September 30, 2008). MSD will begin to develop flow projections for build-out conditions of each sewershed. The analysis will identify the timing of flow additions, and the location and timing of potential future capacity limitations. During the next reporting period, MSD will complete the initial steps of the Floyds Fork Action Plan Update which will provide an analysis of the build out capacity of the major infrastructure of the sewersheds of the Cedar Creek, Floyds Fork and Jeffersontown WTPs.
- M-E-10 Available Capacity SOP (Due February 28, 2008). MSD will finalize the process to regularly review and update the capacity of operating assets, and the current, committed and projected wastewater loads. The process will identify current or projected capacity problems on a regular basis and identify mitigation approaches or capacity improvement projects to address limitations.
- M-L-1 Implement Back-up Power (Due December 31, 2008). The delivery of the equipment to complete the installation of permanent emergency generators at Wind Ridge, Trail Ridge, Breakwater and Grand Isle pump stations is expected before April 2008. The emergency generators will be ordered and the site preparation will begin for the Anchor Estates #2, St. Patrick and Fairway Lane pump station sites during the next reporting period.
- O-F-3 Flow Monitoring Plan (Due September 29, 2008). The flow monitoring plan will be updated as the LTCP and SSDP are developed to support the post construction compliance monitoring program being developed as part of the Wet Weather Plan. The equipment purchase, data delivery and quality control plan for an expanded sewer monitoring network is currently under review.
- S-C-1 Gravity Line PM Risk Evaluation (Due January 31, 2008). MSD will complete an overall plan for preventive maintenance of gravity sewers. As part of this effort, MSD is continuing to develop a staffing and resource plan for the division that maintains the sewers (sanitary, storm and combined) to ensure that the proper resources are available to properly maintain the system.
- S-C-2 Integrate Maintenance Activities & Capital Improvement Plan (Due December 31, 2008). MSD will begin the process to integrate the information obtained in the CSSA Report with field information from MSD's I&FP Division to identify potential infrastructure assets requiring consideration for renewal or replacement. This CSSA Report will also be used to identify maintenance issues that should be dealt with proactively.

4.2.2 Continued CMOM Program Implementation for the next reporting period

Although the program implementation deadlines from the CMOM Self Assessment Report were previously met, MSD will continue to enhance the following activities during the next reporting period:

- M-E-2 Design and Construction Standards. MSD will continue to review its design and construction standards to identify opportunities to reduce overflows. As part of the updating process MSD is reviewing the design and construction standards for other desired improvements and will complete the comprehensive updating during the next reporting period.
- M-H-1 Fleet Management. MSD currently uses SAP as its Fleet Information Management System (IMS). Although the SAP database captures pertinent fleet related data, it requires custom interfaces to access the data. Based on the valuation of fleet management completed in the current reporting period, MSD plans to evaluate a different Fleet IMS that will provide standardized interfaces and reports to track data that will improve both the management of the fleet assets and the operations of the Fleet Department.
- M-H-2 Inventory and Spare Parts Plan. MSD will continue to implement activities identified in the Storeroom Enhancement Plan, which was developed as part of the Inventory and Spare Parts Plan. MSD will continue to identify obsolete items, negotiate vendor warehousing on low-volume critical inventory items and investigate bar-code scanning and labeling.
- O-A-1 Update Pump Station SOPs. MSD will prepare flow schematics for the flood pump stations. The flow schematics will show the gate positions for the various modes of operation.
- O-A-2 Greenline Analysis. MSD will continue to review overflow elevations at pump stations and small wastewater treatment plants to improve information management and alarm notifications and to find opportunities to reduce the frequency and volume of unauthorized discharges while at the same time protecting properties from interior discharges.
- O-F-1 Flow Meter Inventory and SOP. The inventory of the physical meters owned by MSD is being updated to include more detailed information on each meter, such as the manufacturer, model, age, features, location and purpose. Additionally, an expanded flow monitoring and telemetry system is under development in support of the following programs: Continuing Sewer System Assessment, Sewer Capacity Analysis, Capacity Assurance and RTCs.
- O-F-2 Flow Data Access Improvement. MSD will review flow meter telemetry equipment to facilitate remote communication of flow data and meter status back through MSD's website to the Oracle database. This process will preserve the flow data integrity and provide early indication of the need for calibration or maintenance. MSD staff will have the ability to see meter data in real time and identify meters in need of cleaning, calibration or battery replacement. MSD will continue to integrate the efforts of the

Operations and Regulatory Services Division to set common goals in monitoring different points of the sewer system.

- M-J-1 Ordinance Private Property. MSD will modify the current draft Ordinance for resubmittal to Metro Government representatives with a WWT recommendation to approve.
- M-K-1 Water Quality Data Access. MSD completed work on improving and broadening staff access to the Laboratory Information Management System, the Plant Information system, sonde data, and sewer flow data. MSD is working toward developing its flow meter and sonde data warehouses to an Oracle application interfaced with its Hansen asset management system.
- O-A-5 Identify Facility Upgrades. MSD Engineering staff will continue to meet on a monthly basis with Operations staff to determine capital project priorities and advise on the budgetary needs on a quarterly basis.
- O-D-1 Fats, Oil and Grease Program. MSD will seek approval of the updated FOG program and policy from the MSD Board. Once the program has been approved, MSD will initiate the Certified Haulers / Plumbers program which will involve training grease haulers and plumbers involved with grease control equipment installation and maintenance on the requirements of the program.
- S-A-1 Modify/Develop Pump Station Preventive Maintenance Plan. MSD currently uses SAP as its computerized maintenance management system (CMMS) for its pump stations. MSD will continue the process of converting its pump station CMMS to Hansen.
- S-B-2 Implement Force Main and Air Relief Valve Preventive Maintenance Program. The program was implemented in June 2007. The following force mains are scheduled for inspection in 2008:
    - Covered Cove (after January 08)
    - Cypress Springs (after January 08)
    - Meadow Stream (after January 08)
    - Landherr (after January 08)
    - Long Circle Way (after January 08)
    - Valley Village (after January 08)
    - West Goose Creek (after January 08)
    - ORFM (after January 08)
    - Rubbertown (after January 08)
    - West County (after January 08)
    - Diode (after January 08)
    - Lee Ann (after January 08)
    - Stanye (after January 08)

The annual review of the FM program is scheduled for January 11, 2008. Discharge Work Orders on all force main components will be reviewed to see if any adjustments are needed to the force mains assigned to Groups 2 or 3. The force mains in the Group 4 subsets will also be reviewed and changes will be made to the scheduled inspection time if warranted. Group 4B is scheduled for inspection in 2008 in addition to the force mains in Group 1, 2 and some of the force mains in Group 3. As defined in the program, Groups 1 & 2 are inspected annually, Group 3 force mains are on a three year inspection cycle and Group 4 force mains are on a ten year inspection cycle.

Appendix A – Activity Schedules (A-1 to A-5)

Appendix A-1
Updated Sanitary Sewer Overflow Plan (SSOP) Implementation Schedule

ID	Task Name
1	**A. Capital Improvement Project List**
2	**1. Broadfern Pump Station Upgrade (Budget ID F02327)**
3	Installation and Initial Testing
4	Final Testing and Certification
5	**2. Interceptor Condition Assessment Phase 1 (Budget ID H04272) and other Rehabilitation Projects**
6	Inspection (Completed)
7	Rehabilitation
8	**3. Murray Hills Area Pump Station Upgrades (Budget ID F06297)**
9	Design (Completed)
10	Construction
11	Certification
12	**4. Fern Hill Subdivision Interceptor #8 (Budget ID C94086)**
13	Design
14	Easement Acquisition
15	Construction
16	**5. Thurman Drive Pump Station Elimination (Budget ID F06297)**
17	Design
18	Construction
19	**6. Zabel Way Pump Station Elimination (Budget ID C06295)**
20	Design
21	Easement Acquisition
22	Construction

Refer to Sections 1.4.1.1 and 3.3.1.1
Date: Wed 1/30/08

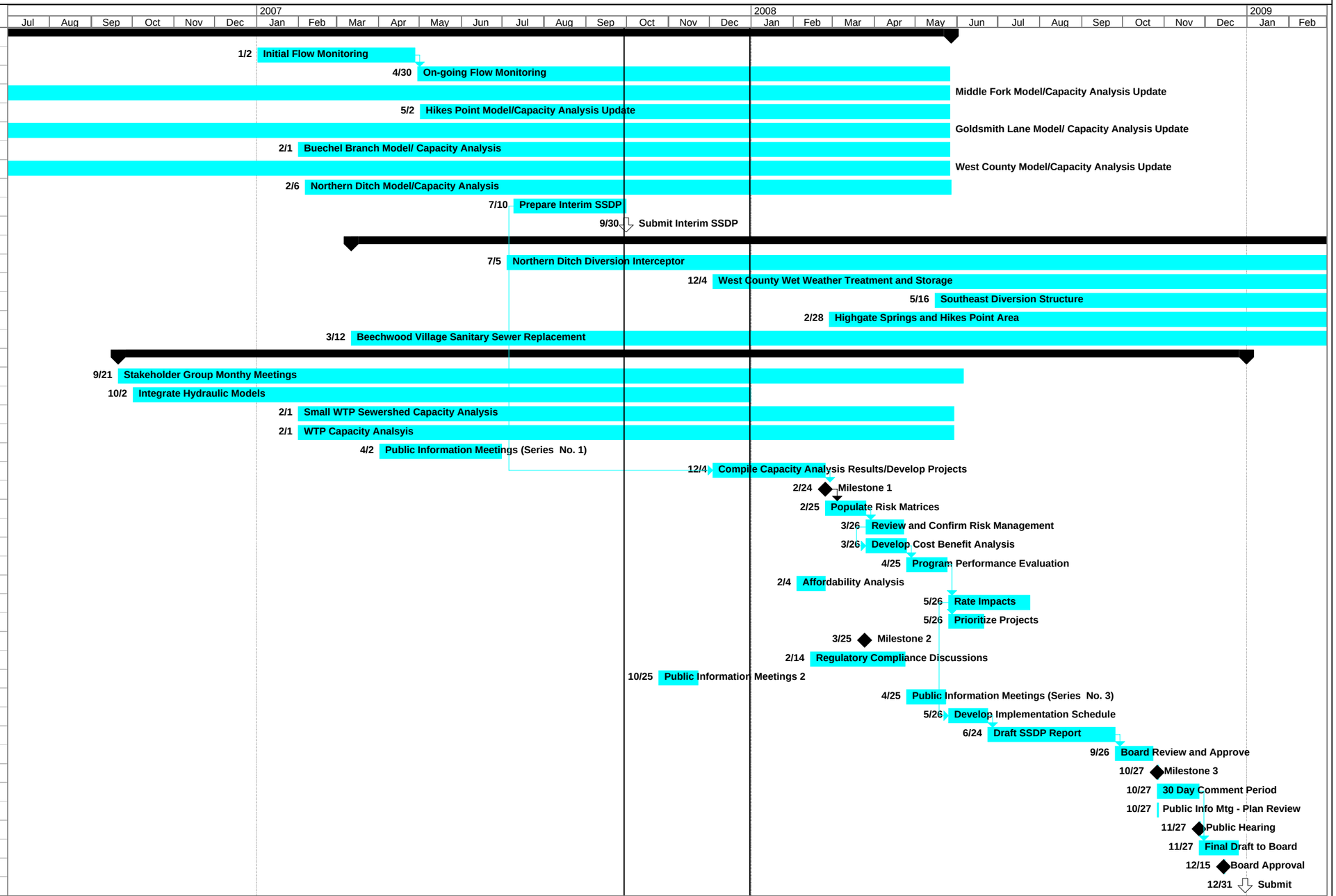
Task Summary Submittal/Certification

MSD
Louisville and Jefferson County Metropolitan Sewer District

PROJECT WIN
Waterway Improvements Now

Appendix A-2
Sanitary Sewer Discharge Plan (SSDP) Schedule

ID	Task Name
1	**Planning**
2	Initial Flow Monitoring
3	On-going Flow Monitoring
4	Middle Fork Model/Capacity Analysis Update
5	Hikes Point Model/Capacity Analysis Update
6	Goldsmith Lane Model/ Capacity Analysis Update
7	Buechel Branch Model/ Capacity Analysis
8	West County Model/Capacity Analysis Update
9	Northern Ditch Model/Capacity Analysis
10	Prepare Interim SSDP
11	Submit Interim SSDP
12	**Interim Sanitary Sewer Discharge Plan Implementation**
13	Northern Ditch Diversion Interceptor
14	West County Wet Weather Treatment and Storage
15	Southeast Diversion Structure
16	Highgate Springs and Hikes Point Area
17	Beechwood Village Sanitary Sewer Replacement
18	**Sanitary Sewer Discharge Plan**
19	Stakeholder Group Monthy Meetings
20	Integrate Hydraulic Models
21	Small WTP Sewershed Capacity Analysis
22	WTP Capacity Analsyis
23	Public Information Meetings (Series No. 1)
24	Compile Capacity Analysis Results/Develop Projects
25	Milestone 1 - Prelim Project List and SSDP Outline
26	Populate Risk Matrices
27	Review and Confirm Risk Management
28	Develop Cost Benefit Analysis
29	Program Performance Evaluation
30	Affordability Analysis
31	Rate Impacts
32	Prioritize Projects
33	Milestone 2 - AffordabilityAnalysis
34	Regulatory Compliance Discussions
35	Public Information Meetings 2
36	Public Information Meetings (Series No. 3)
37	Develop Implementation Schedule
38	Draft SSDP Report
39	Board Review and Approve
40	Milestone 3 - Draft SSDP Release
41	30 Day Comment Period
42	Public Info Mtg - Plan Review
43	Public Hearing
44	Final Draft to Board
45	Board Approval
46	Submit



Refer to Sections 1.4.1.2, 1.4.1.3, 3.3.1
Date: Wed 1/30/08

Task Milestone Summary Submittal

MSD
Louisville and Jefferson County Metropolitan Sewer District

PROJECT WIN
Waterway Improvements Now

Appendix A-3
Interim Long Term Control Plan (ILTCP) Schedule

ID	Task Name
1	**Capital Improvement Project List**
2	**1. CSO 146 Solids and Floatables Control (Budget ID H07026)**
3	Preliminary and Final Design
4	Construction
5	Certification
6	**2. RTC at Southwestern Outfall (Budget ID I05055)**
7	Design (Completed)
8	Construction
9	**3. RTC at CSO 108 (Budget ID I03588)**
10	Design
11	Construction
12	**4. Integration of Southwestern Pump Station/MDS/MFWTP (Budget ID I05056)**
13	Design
14	Construction
15	**5. Integration of Wheeler Basin (Budget ID I05057)**
16	Design
17	Construction
18	**6. CSO 206 Separation (Budget ID I01061)**
19	Design (Completed)
20	Construction
21	**7. CSO 206 Separation (Budget ID I01062)**
22	Design
23	Construction

Refer to Section 1.4.2.1 and 3.3.2.1
Date: Wed 1/30/08

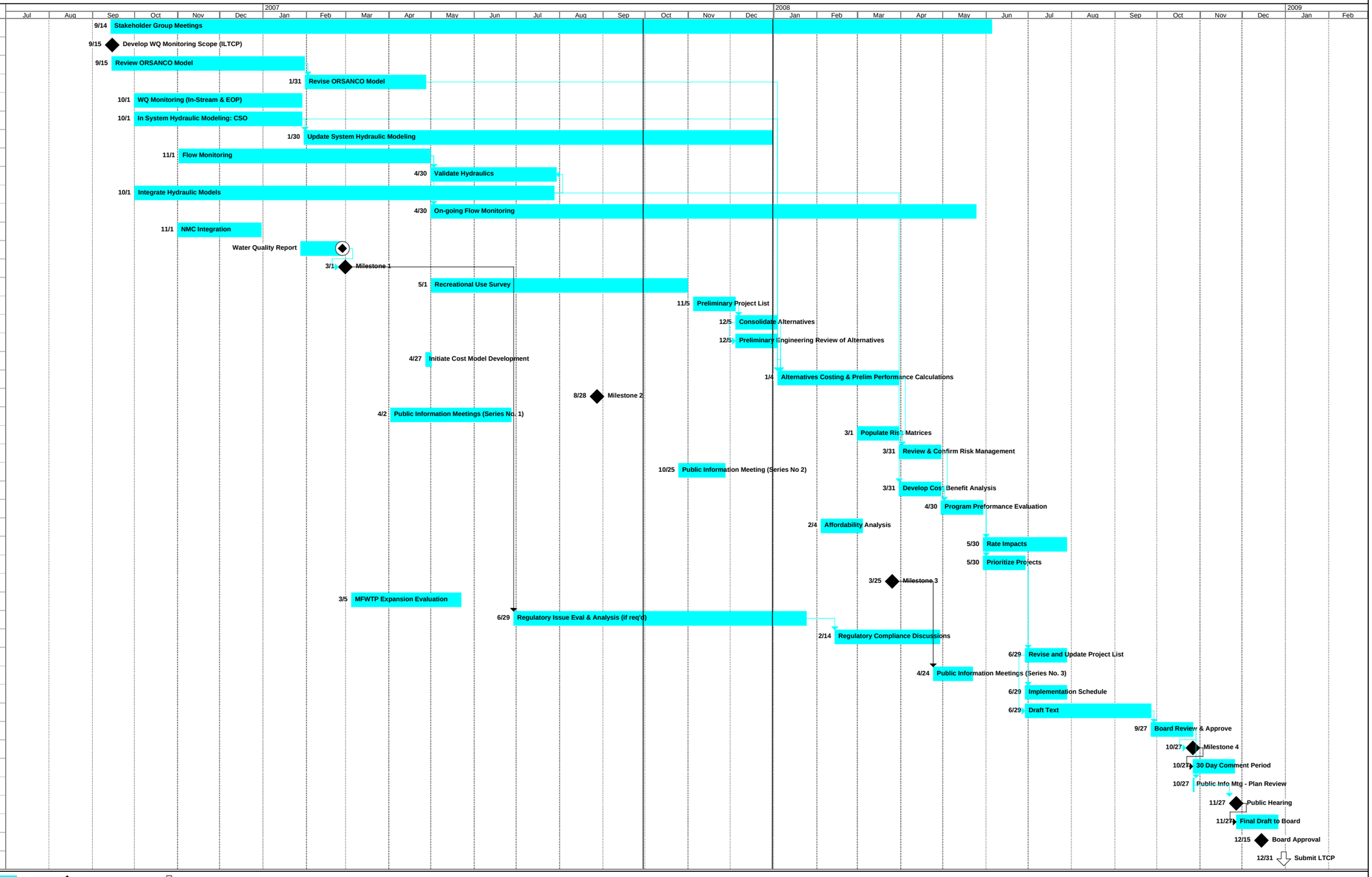
Task Summary Submittal/Certification

MSD
Louisville and Jefferson County Metropolitan Sewer District

PROJECT WIN
Waterway Improvements Now

Appendix A-4
Final Long Term Control Plan (LTCP) Schedule

ID	Task Name
43	Stakeholder Group Monthly Meetings
1	Develop WQ Monitoring Scope (ILTCP)
11	Review ORSANCO Model
12	Revise ORSANCO Model (If appropriate)
6	WQ Monitoring (In-Stream & End of Pipe)
7	In System Hydraulic Modeling: CSO
8	Update System Hydraulic Modeling: CSO
9	Flow Monitoring
10	Validate Hydraulics
13	Integrate Hydraulic Models
14	On-going Flow Monitoring
2	NMC Integration
3	Water Quality Report
4	Milestone 1 WQ Report & Regulatory Issues
5	Recreational Use Survey
15	Preliminary Project List
16	Develop Consolidated Alternatives
17	Preliminary Engineering Review of Alternatives
18	Initiate Cost Model Development
20	Alternatives Costing & Prelim Performance Calculations
19	Milestone 2 - Annotated Outline of Final LTCP
44	Public Information Meetings (Series No. 1)
21	Populate Risk Matrices
22	Review & Confirm Risk Management
45	Public Information Meetings (Series No. 2)
23	Develop Cost Benefit Analysis
24	Program Preformance Evaluation
26	Affordability Analysis
25	Rate Impacts
27	Prioritize Projects
29	Milestone 3 - Presumptive or Demonstrative
30	MFWTP Expansion Evaluation
31	Regulatory Issue Evaluation and Analysis (if req'd.)
32	Regulatory Compliance Discussions
33	Revise and Update Project List
46	Public Information Meetings (Series No. 3)
28	Develop Implementation Schedule
34	Draft Text
35	Board Review & Approve
36	Milestone 4 - Draft Plan Release
37	30 Day Comment Period
38	Public Info Mtg - Plan Review
39	Public Hearing
40	Final Draft to Board
41	Board Approval
42	Submit LTCP



Refer to Sections 1.4.2.2 and 3.3.2.2
Date: Mon 1/28/08

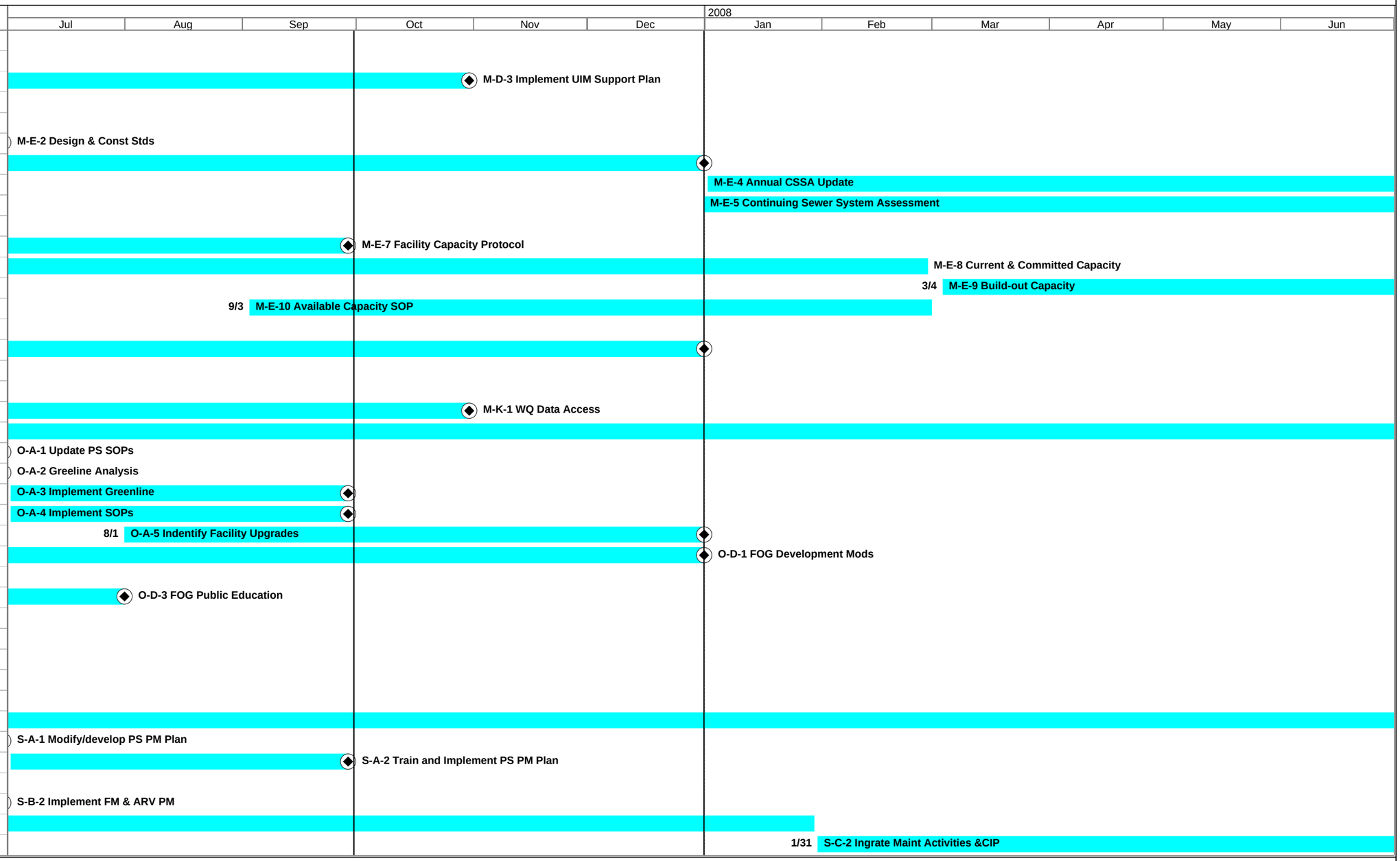
Task Milestone Submittal

MSD
Louisville and Jefferson County Metropolitan Sewer District

PROJECT WIN

Appendix A-5
CMOM Implementation Schedule

ID	Task Name
1	M-D-1 Resubmit CMOM
2	M-D-2 UIM Support Plan
3	M-D-3 Implement UIM Support Plan
4	M-D-4 Revise UIM Support Plan
5	M-E-1 Inventory Protocols
6	M-E-2 Design & Const Stds
7	M-E-3 Initial CSSA
8	M-E-4 Annual CSSA Update
9	M-E-5 Continuing Sewer System Assessment
10	M-E-6 Major Facility Capacity
11	M-E-7 Facility Capacity Protocol
12	M-E-8 Current & Committed Capacity
13	M-E-9 Build-out Capacity
14	M-E-10 Available Capacity SOP
15	M-H-1 Fleet Equipment Plan
16	M-H-2 Inventory & Spare Parts Plan
17	M-I-1 Customer Complaint Protocols
18	M-J-1 Ordinance Private Property
19	M-K-1 WQ Data Access
20	M-L-1 Implement Back-Up Power
21	O-A-1 Update PS SOPs
22	O-A-2 Greeline Analysis
23	O-A-3 Implement Greenline
24	O-A-4 Implement SOPs
25	O-A-5 Indentify Facility Upgrades
26	O-D-1 FOG Development Mods
27	O-D-2 FOG Inspection Benchmarking
28	O-D-3 FOG Public Education
29	O-D-4 FOG Enforcement Benchmark
30	O-D-5 FOG Enforcement Mods
31	O-E-1 Tap Connection Protocols
32	O-F-1 Flow Meter Inventory & SOP
33	O-F-2 Flow Data Access Improvement
34	O-F-3 Flow Monitoring Plan
35	S-A-1 Modify/develop PS PM Plan
36	S-A-2 Train and Implement PS PM Plan
37	S-B-1 FM and ARV Inspection PM
38	S-B-2 Implement FM & ARV PM
39	S-C-1 Gravity Line PM Risk Eval
40	S-C-2 Ingrate Maint Activities &CIP



Refer to Sections 4.1 and 4.2
Date: Mon 1/28/08

Task

Task Completion

MSD
Louisville and Jefferson County
Metropolitan Sewer District

PROJECT WIN
Waterway Improvements Now

Appendix B – Discharge Work Orders – Waters of the US

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
000000	MSD0000	NO PLANT-GOES TO STREAM/RIVER	NONE	

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	24152-W	3733 CANOE LN		MUDDY FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730414	12/16/07 12:06 AM	MARKS JR	KUSTES	D	12/16/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 11:00 AM

Spot Inspections:

Discharge Amount:	98,100 GAL
Cause:	LACK OF SYSTEM CAP
Clean Up:	NOT FEASIBLE
Control Zone:	AREA WAS TAPED OFF
Impact:	DEBRIS WAS OBSERVED
Repair:	RAIN EVENT ENDED.

Notifications:

12/16/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 06:00 AM	Area was taped off
12/16/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
000000 (Cont'd)	MSD0000	NO PLANT-GOES TO STREAM/RIVER	NONE	

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0263A-PS	4305 ST RENE CT	CHENOWETH HILLS WTP PS	CHENOWETH RUN	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716988	10/23/07 10:00 AM	PORTER JR	TUTTLE	D	10/24/07	BYPASS AT TREATMENT PLANT	DISCHARGE TO WATERS OF THE US	10/24/07 05:30 AM

Spot Inspections:

Discharge Amount:	20,000 GAL
Cause:	HEAVY STORM FLOW OVERWHELMED EFFLUENT PUMP STATION OF CHENOWETH HILLS WTP
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	CONTROL ZONE WAS NOT NEEDED
Impact:	DISCHARGED TREATED EFFLUENT(CHLORINATED, AND DECHLORINATED) PRIOR TO THE FINAL DISCHARGE POINT. NO VISUAL IMPACT OBSERVED.
Repair:	STORM FLOW OVERWHELMED THE PUMP STATION

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022420	MSD0202	HITE CREEK	HITE CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	108956	7302 FLOYDSBURG RD		FLOYDS FORK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729519	12/12/07 11:40 AM	MARKS JR	COOMER	D	12/12/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/12/07 11:50 AM

Spot Inspections:

Discharge Amount:	75 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	AREA WAS WASHED DOWN AND DEBRI HAULED
Control Zone:	AREA IS TAPED OFF SIGNS POSTED
Impact:	NONE OBSERVED BY MSD PERSONEL
Repair:	MSD HAULING STATION TO PREVENT OVERFLOW

Notifications:

12/12/07 01:53 PM	Rain event caused station to go into high wetwell which caused line to station to backup and overflow out of manhole.
12/12/07 01:58 PM	Signs are posted and door hangers have been placed at local residents.
12/12/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022420 (Cont'd)	MSD0202	HITE CREEK	HITE CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	90776	7250 FLOYDSBURG RD		FLOYDS FORK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730353	12/15/07 06:30 PM	ELDER	CARTER SR	D	01/03/05	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 11:40 PM

Spot Inspections:

Discharge Amount:	43,500 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT FEASABLE AT THIS TIME
Control Zone:	SIGNS WERE POSTED
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	THE SOLUTION FOR THIS LOCATION WILL BE IN THE SANITARY DISCHARGE PLAN TO BE SUBMITTED BY 12/31/08

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 06:59 PM	Signs were posted in the area

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28249	3500 ST EDWARDS DR		CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717291	10/24/07 04:00 AM	LASLEY JR	GRIFFITH	D	03/12/06	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 03:34 PM

Spot Inspections:

Discharge Amount:	2,160 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	TAPE AND CONES HAVE BEEN PLACED AT THIS SITE
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/24/07 07:49 AM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/24/07 04:00 AM	MSD advised customers by door cards
10/24/07 07:49 AM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730317	12/15/07 05:40 PM	MITCHELL	GRIFFITH	D	03/12/06	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 05:33 AM

Spot Inspections:

Discharge Amount:	4,320 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER THE RAIN RAIN
Control Zone:	POSTED TEMPORARY SIGNS AND CONES
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 05:40 PM	ADVISED CUSTOMERS WITH TEMPORARY SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28250	3506 CHARLANE PKY		CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717173	10/23/07 04:03 PM	GRIFFITH	GRIFFITH	D	01/03/05	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 03:53 PM

Spot Inspections:

Discharge Amount:	4,320 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	BARRICADES AND TEMPARAY SIGNS HAVE BEEN POSTED
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 04:03 PM	MSD advised customers by door cards
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730321	12/15/07 05:50 PM	MITCHELL	GRIFFITH	D	01/03/05	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 05:30 AM

Spot Inspections:

Discharge Amount:	4,185 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFFERED TO IFP FOR CLEAN UP AFTER THE RAIN EVENT
Control Zone:	POSTED TEMORARY SIGNS AND CONES
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS WILL BE THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 05:50 PM	ADVISED CUSTOMERS BY TEMPORARY SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28336	9707 WILLOWWOOD WAY		CHENOWETH RUN	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717174	10/23/07 04:12 PM	GRIFFITH	GRIFFITH	D	08/30/05	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 03:40 PM

Spot Inspections:

Discharge Amount:	351,360 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	BARRICADES AND TEMPORARY SIGNS HAVE BEEN POSTED
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 04:12 PM	MSD PLACED BARRICADES & TEMP. SIGNS AT THIS SITE
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730314	12/15/07 05:20 PM	MITCHELL	GRIFFITH	D	08/30/05	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 05:36 AM

Spot Inspections:

Discharge Amount:	351,360 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER THE RAIN EVENT
Control Zone:	POSTED TEMPORARY SIGNS AND BARRICADE
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 05:20 PM	ADVISED CUSTOMERS BY TEMPORARY SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28340	3620 CHARLANE PKY		CHENOWETH RUN	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717176	10/23/07 04:10 PM	GRIFFITH	GRIFFITH	D	01/03/05	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 03:38 PM

Spot Inspections:

Discharge Amount:	12,960 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	BARRICADES AND TEMPORARY SIGNS HAVE BEEN POSTED
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 04:10 PM	MSD PLACED BARRICADES & TEMP. SIGNS AT THIS SITE
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730315	12/15/07 05:25 PM	MITCHELL	GRIFFITH	D	01/03/05	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 05:39 AM

Spot Inspections:

Discharge Amount:	12,960 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	POSTED TEMPORARY SIGNS AND CONE
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 05:25 PM	ADVISED CUSTOMERS WITH TEMPORARY SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28395	2901 LIVINGSTON AVE		CHENOWETH RUN	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730346	12/15/07 05:15 PM	MITCHELL	GRIFFITH	D	12/15/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 05:25 AM

Spot Inspections:

Discharge Amount:	144,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER THE RAIN EVENT
Control Zone:	POSTED TEMPORARY SIGNS AND CONES
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 05:15 PM	ADVISED CUSTOMERS BY TEMPORARY SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28415	3406 DELL RD		CHENOWETH RUN	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730325	12/15/07 06:13 PM	MITCHELL	GRIFFITH	D	12/19/02	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/15/07 08:15 PM

Spot Inspections:

Discharge Amount:	360 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFFERED TO IFP FOR CLEAN UP AFTER THE RAIN EVENT
Control Zone:	POST TEMPORARY SIGNS, CONES AND DOOR HANGERS
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 06:13 PM	ADVISED CUSTOMERS BY DOOR HANGERS AND TEMPORARY SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMN Sewer Main	72419-AG	4710 CHENOWETH RUN RD		CHENOWETH RUN	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730327	12/15/07 04:45 PM	ELDER	TUTTLE	R	12/15/07	STRUCTURAL FAILURE	DISCHARGE TO WATERS OF THE US	12/16/07 07:45 AM

Spot Inspections:

Discharge Amount:	517,500 GAL
Cause:	FORCE MAIN BREAK
Clean Up:	CLEAN UP NOT FEASIBLE
Control Zone:	NO CONTROL ZONE SET UP
Impact:	DISCOLORATION OF STREAM
Repair:	SAP WO#4012174 FOR REPAIRS

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	IS028-SI	3310 RUCKRIEGEL PKY		CHENOWETH RUN	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716976	10/23/07 05:30 AM	PORTER JR	STEPHENSON	D	03/20/02	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/23/07 09:30 PM

Spot Inspections:

Discharge Amount:	500 GAL
Cause:	HEAVY STORM FLOW
Clean Up:	AREA RAKED AND DEBRIS HAULED
Control Zone:	CONTROL ZONE SET UP WAS NOT NEEDED
Impact:	NO VISUAL IMPACT WAS OBSERVED BY MSD PERSONNEL.
Repair:	AREA WAS RAKED & DEBRIS HAULED

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0255	10725 OLD TAYLORSVILLE RD		CHENOWETH RUN	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729912	12/13/07 11:30 PM	SINGLETON	PORTER JR	D	01/14/07	BYPASS AT TREATMENT PLANT	DISCHARGE TO WATERS OF THE US	12/14/07 12:20 AM

Spot Inspections:

Discharge Amount:	10,000 GAL
Cause:	OPERATOR FOUND FLOOD PUMP ON.
Clean Up:	AREA WASHED DOWN
Control Zone:	TEMPORARY SIGNS WERE PLACED
Impact:	DILUTED SEWAGE INTO STREAM.
Repair:	OPERATOR SHUT OFF PUMP

Notifications:

12/13/07 11:30 PM	Temporary signs were placed
12/14/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0025194 (Cont'd)	MSD0255	JEFFERSONTOWN	CHENOWETH RUN	CENT

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730305	12/15/07 04:00 PM	ELDER	TUTTLE	D	01/14/07	BYPASS AT TREATMENT PLANT	DISCHARGE TO WATERS OF THE US	12/15/07 04:45 PM

Spot Inspections:

Discharge Amount:	250 GAL
Cause:	STORM FLOW DURING RAIN EVENT
Clean Up:	CLEANUP NOT FEASIBLE AT THIS TIME
Control Zone:	TAPED OFF AFFECTED AREA
Impact:	SOLIDS ON THE GROUND
Repair:	ADJUSTED BLENDING GATE TO REDUCE FLOW TO AERATION TANK

Notifications:

12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 04:18 PM	Taped off affected area

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	04542	3434 FERN LEA RD		HEATHERFIELD DITCH	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730379	12/15/07 12:35 PM	ELDER	LAMBDIN JR	D	12/15/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/15/07 01:45 PM

Spot Inspections:

Discharge Amount:	42,000 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEAN UP NOT FEASABLE AT THIS TIME. TEMPORARY SIGNS POSTED & LIMED AREA 12/16
Control Zone:	TEMP. SIGNS POSTED
Impact:	DILUTED SEWAGE FLOWING TO ROAD SIDE DITCH
Repair:	STATION HAULED TO PREVENT FURTHER DISCHARGE

Notifications:

12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 03:29 PM	TEMPORARY SIGNS POSTED & LIMED AREA 12/16

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730381	12/15/07 04:10 PM	ELDER	LAMBDIN JR	D	12/15/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/15/07 07:35 PM

Spot Inspections:

Discharge Amount:	141,000 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEAN UP NOT FEASABLE AT THIS TIME.TEMPORARY SIGNS & LIMED AREA 12/16
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE & DEBRIS ON GROUND
Repair:	HAULED TO PREVENT FURTHER DISCHARGE

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 03:25 PM	Temporary signs posted & Limed area

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	04699-W	1714 LAMKINS CT		MILL CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730385	12/15/07 11:40 AM	ELDER	LAMBDIN JR	D	12/15/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 01:30 AM

Spot Inspections:

Discharge Amount:	0 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEAN UP NOT FEASABLE AT THIS TIME. TEMPORARY SIGNS & LIMED AREA 12/16
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE & DEBRIS RAKED & BAGGED WET WELL UNDER WATER, NO WAY TO ESTIMATE DISCHARGE.
Repair:	SITE FOUND DURING RAIN EVENT RECON. WILL BE MONITORED AND EVALUATED FOR REPAIR

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 03:27 PM	Temporary signs posted & Limed area.

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	22385	10000 PLAUDIT WAY		BLACK POND CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717779	10/23/07 07:20 PM	GRIFFITH	GRIFFITH	D	03/12/06	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/25/07 12:10 AM

Spot Inspections:

Discharge Amount:	3,024,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	NO CONTROL ZONE NEEDED
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/23/07 05:58 PM	NO DISPUB NEEDED
10/26/07 12:59 AM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	25484	9317 LANTANA DR		PENNSYLVANIA RUN	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717197	10/23/07 07:00 PM	ELDER	JONES	D	10/23/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 07:35 AM

Spot Inspections:

Discharge Amount:	37,750 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	LIMED & RAKED THE AFFECTED AREAS
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	DISCOLORATION ON GROUND
Repair:	LIMED & RAKED THE AREA

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/24/07 02:03 AM	Temporary signs placed, Limed & raked the area
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	32682	6707 W ORELL RD		ALVEY DITCH	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717184	10/23/07 05:58 PM	GRIFFITH	GRIFFITH	D	03/12/06	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/25/07 12:05 AM

Spot Inspections:

Discharge Amount:	3,240,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	NO CONTROL ZONE NEEDED
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 05:58 PM	NO DISPUB NEEDED
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	35308	5109 MARJORIE DR		MANSLICK BRANCH	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717196	10/23/07 08:00 PM	ELDER	HEACOCK	D	10/23/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 10:30 AM

Spot Inspections:

Discharge Amount:	21,000 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	MSD PERSONNEL CLEANED & SANITIZED AFFECTED AREA
Control Zone:	TEMPORARY SIGNS PLACED AROUND AFECTED AREA
Impact:	DISCOLORATION ON GROUND
Repair:	HAULED TO PREVENT FURTHER DISCHARGE

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/24/07 01:52 AM	Temporary signs placed, Hauling as trucks become available.
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	35309	5109 MARJORIE DR		MANSLICK BRANCH	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717034	10/23/07 08:55 AM	ELDER	MAPP	D	10/23/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/23/07 10:00 AM

Spot Inspections:

Discharge Amount:	650 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	AREA WAS LIMED & RAKED
Control Zone:	TEMPORARY SIGNS PLACED AROUND AFFECTED AREA
Impact:	DISCOLORATION ON GROUND
Repair:	LIMED & RAKED AFFECTED AREA

Notifications:

10/23/07 12:54 PM	Temporary signs posted around affected area. Area was limed & raked
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMN Sewer Main	49940-AG	4901 MUD LN		FISH POOL CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	729550	12/12/07 01:45 PM	ELDER	MAPP	R	12/12/07	UTILITY DAMAGED MSD ASSET	DISCHARGE TO WATERS OF THE US	12/12/07 02:30 PM

Spot Inspections:

Discharge Amount:	500 GAL
Cause:	SOUTHERN PIPE LINE CONTRACTOR DIGGING WITH BACKHOE, DUG UP FORCE MAIN
Clean Up:	CLEANUP NOT FEASIBLE, LIME AREA AFFECTED
Control Zone:	PLACED TEMPORARY SIGNS & DOOR HANGERS
Impact:	NO VISUAL IMPACT OBSERVED BY MSD PERSONNEL
Repair:	SOUTHERN PIPE CNT. MAKING REPAIRS TO DAMAGED FORCE MAIN

Notifications:

12/12/07 04:04 PM	Temporary signs around affected area. Door hangers on Apartment units 1-6 @ 10800 & units 1-6 @ 10810 Southgate Manor Dr.
12/12/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	59169	9801 EVENING STAR DR		MILL CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717188	10/23/07 07:20 PM	GRIFFITH	GRIFFITH	D	03/12/06	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/25/07 12:10 AM

Spot Inspections:

Discharge Amount:	3,024,000 GAL
Cause:	HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	NO CONTROL ZONE NEEDED
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31,2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 07:20 PM	NO DISPUB NEEDED
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	60679	9114 CINDERELLA LN		FISHPOOL CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730368	12/15/07 01:00 PM	ELDER	BOARD	D	12/15/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 02:30 AM

Spot Inspections:

Discharge Amount:	8,100 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT FEASABLE AT THIS TIME. TEMPORARY SIGNS POSTED & LIMED AREA 12/16
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	DILUTED SEWAGE FLOWING INTO STREAM.
Repair:	SITE FOUND DURING RAIN EVENT RECON. WILL BE MONITORED AND EVALUATED FOR REPAIR.

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 03:32 PM	TEMPORARY SIGNS POSTED & LIMED AREA 12/16

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	92099	7801 EDSEL LN			

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730401	12/15/07 08:44 PM	ELDER	TUTTLE			ELECTRICAL PROBLEMS AT MSD	DISCHARGE TO WATERS OF THE US	12/15/07 09:00 PM

Spot Inspections:

Discharge Amount:	250 GAL
Cause:	ELECTRICAL FAILURE, BREAKER TRIPPED # 1 PUMP
Clean Up:	CLEAN UP NOT FEASIBLE AT THIS TIME
Control Zone:	NO CONTROL ZONE DISCHARGE WAS IN A CONTAINED AREA
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	RESET BREAKER #1 PUMP, RESTORED PUMP TO SERVICE

Notifications:

12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	93719	9317 LANTANA DR		PENNSYLVANIA RUN	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717138	10/23/07 07:37 PM	RICHARDSON	RICHARDSON	D	10/23/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 01:25 PM

Spot Inspections:

Discharge Amount:	6,200 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL RAKED AND BAGGED DEBRIS AROUND AFFECTED AREA
Control Zone:	MSD PERSONNEL PLACED SIGN AROUND THE AFFECTED AREA
Impact:	DISCHARGE FROM MANHOLE
Repair:	REPAIRS NOT NEEDED

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 07:43 PM	ADVISED CUSTOMER ON SITE
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730392	12/15/07 05:35 PM	ELDER	BOARD	D	10/23/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 02:00 AM

Spot Inspections:

Discharge Amount:	5,050 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	TEMPORARY SIGNS POSTED & LIMED AREA 12/16
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE & DEBRIS RAKED & BAGGED
Repair:	THE SOLUTION FOR THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY 12/31/08

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 03:28 PM	TEMPORARY SIGNS POSTED & LIMED AREA 12/16

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1010-PS	5007 LEA ANN WAY	LEA ANN WAY	NORTHERN DITCH	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730374	12/15/07 03:10 PM	ELDER	LAMBDIN JR	D	12/15/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 07:00 AM

Spot Inspections:

Discharge Amount:	1,995,000 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEAN UP NOT FEASABLE. TEMPORARY SIGNS POSTED & LIMED AREA 12/16, VACTORED CREEK BANKS.
Control Zone:	TEMP SIGNS POSTED
Impact:	STREAM DISCOLORATION
Repair:	WILL BE MONITORED & EVALUATED FOR REPAIR

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 03:35 PM	TEMPORARY SIGNS POSTED & LIMED AREA 12/16, Vactored creek banks.

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1099-LS	8901 ZABEL WAY	ZABEL	FERN CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716981	10/23/07 06:00 AM	PORTER JR	ALEXANDER	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 04:00 AM

Spot Inspections:

Discharge Amount:	500 GAL
Cause:	HEAVY STORM FLOW
Clean Up:	AREA RAKED AND DEBRIS HAULED
Control Zone:	CONTROL ZONE SET UP WAS NOT NEEDED
Impact:	VISUAL IMPACT WAS NOT OBSERVED BY MSD PERSONNEL
Repair:	AREA WAS RAKED & DEBRIS HAULED

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0078956 (Cont'd)	MSD0277	WEST COUNTY	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729775	12/13/07 06:20 AM	SINGLETON	PORTER JR	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/13/07 12:00 PM

Spot Inspections:

Discharge Amount:	250 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL CLEANED & SANITIZED IMPACTED AREA
Control Zone:	TEMPORARY SIGNS AND DOOR HANGERS WERE PLACED.
Impact:	NO VISUAL IMPACT OBSERVED.
Repair:	HAULED TO PREVENT BACK UPS

Notifications:

12/13/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 06:20 AM	Temporary signs and door hangers were placed.
12/13/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	00056-W	804 N ARBOR DR			

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730331	12/15/07 04:20 PM	ELDER	AVERETTE			LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/15/07 05:50 PM

Spot Inspections:

Discharge Amount:	7,200 GAL
Cause:	LACK OF CAPACITY RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT FEASIBLE AT THIS TIME
Control Zone:	NO CONTROL ZONE SET UP
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	HAULING TO PREVENT FURTHER DISCHARGE

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	0057-W	806 PINE WAY		MIDDLE FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730333	12/15/07 04:25 PM	ELDER	AVERETTE	F	09/23/06	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/15/07 06:00 PM

Spot Inspections:

Discharge Amount:	128,250 GAL
Cause:	LACK OF CAPACITY , RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT FEASIBLE AT THIS TIME
Control Zone:	NO CONTROL ZONE SET UP
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	HAULED TO PREVENT FURTHER OVERFLOW

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08430	4341 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717171	10/23/07 04:15 PM	GRIFFITH	GRIFFITH	D	02/17/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 03:10 PM

Spot Inspections:

Discharge Amount:	74,520 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	CONES AND TEMPORARY SIGNS HAVE BEEN POSTED
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 04:15 PM	Advised Customer by door card
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730255	12/15/07 01:26 PM	MITCHELL	GRIFFITH	D	02/17/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 07:30 PM

Spot Inspections:

Discharge Amount:	45,750 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	POST TEMPORARY SIGNS, BARRICADE, CAUTION TAPE AND DOOR HANGERS
Impact:	SEWAGE AN DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 11:21 AM	ADVISED CUSTOMERS WITH TEMPORARY SIGNS AND DOOR HANGERS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08717	3726 FINCASTLE RD		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730405	12/15/07 03:40 PM	DUNLAP	DUNLAP	D	12/15/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/17/07 03:53 PM

Spot Inspections:

Discharge Amount:	100 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	CUSTOMER CLEANED THE IMPACTED AREA
Control Zone:	PLACED TEMPORARY SIGNS AROUND MANHOLE
Impact:	WATER COMING OUT OF MANHOLE
Repair:	NO REPAIRS WARRANTED

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 03:40 PM	ADVISED CUSTOMER ON SITE
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08935-SM	1001 BRECKENRIDGE LN		MIDDLE FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716845	10/22/07 06:59 PM	GRIFFITH	GRIFFITH	D	11/29/01	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/25/07 12:22 AM

Spot Inspections:

Discharge Amount:	15,120,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	A PERMANENT SIGN HAS BEEN POSTED
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION WILL BE IN THE SANTARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 32, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/22/07 06:59 PM	A PERMANENT SIGN IS POSTED AT THIS SITE
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729640	12/13/07 07:35 AM	GRIFFITH	GRIFFITH	D	11/29/01	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/14/07 01:35 AM

Spot Inspections:

Discharge Amount:	41,800 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	PERMANENT SIGNS ARE POSTED
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 07:35 AM	ADVISED CUSTOMER PERMANENT SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730247	12/15/07 10:56 AM	MITCHELL	GRIFFITH	D	11/29/01	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/17/07 02:57 PM

Spot Inspections:

Discharge Amount:	11,095,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE MAGNITUDE OF STORM
Control Zone:	PERMANENT SIGNS ARE POSTED
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 10:56 AM	ADVISED CUSTOMERS WITH PERMANENT SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	104231	4119 LEE AVE		CAMP TAYLOR DITCH	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717135	10/23/07 06:30 PM	COWARD	THOMPSON	D	10/23/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 12:30 PM

Spot Inspections:

Discharge Amount:	3,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL CLEANED LIGHT DEBRIS FROM AROUND THE MANHOLE
Control Zone:	MSD PERSONNEL PLACED SIGNS AND CONES AROUND MANHOLE
Impact:	MANHOLE DISCHARGING INTO STREET AND CATCHBASIN
Repair:	NO REPAIRS NEEDED

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 06:46 PM	MSD PERSONNEL PLACED SIGNS AND CONES AROUND MANHOLE
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	12915	2312 GLENMARY AVE		MIDDLE FORK BEARGRASS CREEK	CATCH BASIN

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	710105	10/03/07 11:15 AM	RICHARDSON	RICHARDSON	E	10/03/07	ROOTS	DISCHARGE TO WATERS OF THE US	10/03/07 03:45 PM

Spot Inspections:

Discharge Amount:	100 GAL
Cause:	ROOTS IN THE MAIN SEWER
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	ADVISED CUSTOMER TO AVOID DIRECT CONTACT WITH SEWAGE
Impact:	SEWAGE DISCHARGING FROM THE SANITARY MANHOLE INTO THE STORM CATCH BASIN
Repair:	WORK ORDER 709940 - ROOT CUT AND OPENED THE MAIN SEWER

Notifications:

10/03/07 11:15 AM	ADVISED CUSTOMER ON SITE

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	13943	4119 LEE AVE			

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730412	12/15/07 11:00 AM	DUNLAP	DUNLAP			LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 11:00 AM

Spot Inspections:

Discharge Amount:	600 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	NO CLEANUP NEEDED, WATER FLOWING INTO CATCHBASIN
Control Zone:	PLACED BARRICADES AROUND MANHOLE AND TEMPORARY SIGNS
Impact:	WATER COMING OUT OF MANHOLE
Repair:	NO REPAIRS WARRANTED

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 11:00 AM	ADVISED CUSTOMER ON SITE
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	14159	4345 CAVELLE AVE		GREASY DITCH	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717137	10/23/07 06:53 PM	COWARD	THOMPSON	E	10/23/07	ROOTS	DISCHARGE TO WATERS OF THE US	10/23/07 07:45 PM

Spot Inspections:

Discharge Amount:	350 GAL
Cause:	ROOTS IN MAIN SEWER
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE AFFECTED AREA
Control Zone:	MSD PERSONNEL BLOCKED AREA WITH TRUCK UNTIL DISCHARGE STOPPED
Impact:	MANHOLE DISCHARGING
Repair:	WORK ORDER 717337 - ROOT CUT MAIN SEWER

Notifications:

10/23/07 07:45 PM	ADVISED CUSTOMER ON SITE
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	17571	3035 CARSON WAY		SOUTH FORK BEARGRASS CREEK	CATCH BASIN

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716885	10/23/07 04:55 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	10/24/07 04:07 PM

Spot Inspections:

Discharge Amount:	2,745,600 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 04:55 AM	MSD PERSONNEL PLACED SIGNS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729642	12/13/07 09:06 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/13/07 11:35 AM

Spot Inspections:

Discharge Amount:	117,000 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANNITIZED THE IMPACTED AREA
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/13/07 09:06 AM	MSD PERSONNEL PLACED SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730203	12/15/07 09:40 AM	RICHARDSON	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/16/07 05:16 PM

Spot Inspections:

Discharge Amount:	2,020,600 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 09:40 AM	MSD PERSONNEL PLACED SIGNS
12/15/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	18471	3107 DELL BROOKE AVE		SOUTH FORK BEARGRASS CREEK	CATCH BASIN

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716889	10/23/07 05:08 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	10/24/07 08:51 PM

Spot Inspections:

Discharge Amount:	3,809,700 GAL
Cause:	SET PUMP TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 05:08 AM	MSD PERSONNEL PLACED SIGNS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729612	12/13/07 07:50 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/13/07 10:35 PM

Spot Inspections:

Discharge Amount:	1,200,600 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 07:50 AM	MSD PERSONNEL PLACED SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730208	12/15/07 10:10 AM	RICHARDSON	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/17/07 05:09 AM

Spot Inspections:

Discharge Amount:	3,881,800 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 10:10 AM	MSD PERSONNEL PLACED SIGNS
12/15/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	18483	3015 BOAIRES LN		SOUTH FORK BEARGRASS CREEK	CATCH BASIN

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716891	10/23/07 05:20 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	10/24/07 04:31 PM

Spot Inspections:

Discharge Amount:	3,482,700 GAL
Cause:	SET PUMP TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 05:20 AM	MSD PERSONNEL PLACED SIGNS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729639	12/13/07 08:46 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/13/07 05:04 PM

Spot Inspections:

Discharge Amount:	549,600 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 08:46 AM	MSD PERSONNEL PLACED SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730218	12/15/07 10:20 AM	RICHARDSON	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/17/07 01:30 AM

Spot Inspections:

Discharge Amount:	3,180,500 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 10:20 AM	MSD PERSONNEL PLACED SIGNS

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	18505	3540 RAMONA AVE		SOUTH FORK BEARGRASS CREEK	CATCH BASIN

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716896	10/23/07 06:15 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	10/24/07 02:00 PM

Spot Inspections:

Discharge Amount:	2,809,500 GAL
Cause:	SET PUMP TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 06:15 AM	MSD PERSONNEL PLACED SIGNS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730242	12/15/07 11:35 AM	RICHARDSON	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/16/07 06:48 PM

Spot Inspections:

Discharge Amount:	2,434,900 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 11:35 AM	MSD PERSONNEL PLACED SIGNS

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	18595	3101 WEDGEWOOD WAY		WEDGEWOOD DITCH	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716892	10/23/07 05:30 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	10/24/07 04:23 PM

Spot Inspections:

Discharge Amount:	3,198,300 GAL
Cause:	SET PUMP TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 05:30 AM	MSD PERSONNEL PLACED SIGNS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729610	12/13/07 07:30 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/13/07 10:40 AM

Spot Inspections:

Discharge Amount:	247,000 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/13/07 07:30 AM	MSD PERSONNEL PLACED SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730199	12/15/07 09:55 AM	RICHARDSON	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/16/07 05:55 PM

Spot Inspections:

Discharge Amount:	2,681,300 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 09:55 AM	MSD PERSONNEL PLACED SIGNS
12/15/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	21061	4432 CORDOVA RD		UPPER SINKING FORK	CATCH BASIN

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716897	10/23/07 06:20 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	10/24/07 06:23 PM

Spot Inspections:

Discharge Amount:	3,028,200 GAL
Cause:	SET PUMP TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 06:20 AM	MSD PERSONNEL PLACED SIGNS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729637	12/13/07 08:42 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/13/07 03:24 PM

Spot Inspections:

Discharge Amount:	524,600 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 08:42 AM	MSD PERSONNEL PLACED SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730245	12/15/07 10:50 AM	RICHARDSON	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/16/07 10:08 PM

Spot Inspections:

Discharge Amount:	3,147,300 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 10:50 AM	MSD PERSONNEL PLACED SIGNS
12/15/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	21089	207 BRUNSWICK RD		UPPER SINKING FORK	CATCH BASIN

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716895	10/23/07 05:40 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	10/24/07 06:30 PM

Spot Inspections:

Discharge Amount:	3,511,300 GAL
Cause:	SET PUMP TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 05:40 AM	MSD PERSONNEL PLACED SIGNS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729630	12/13/07 08:35 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/13/07 03:35 PM

Spot Inspections:

Discharge Amount:	546,000 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 08:35 AM	MSD PERSONNEL PLACED SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730251	12/15/07 11:15 AM	RICHARDSON	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/16/07 10:00 PM

Spot Inspections:

Discharge Amount:	2,839,500 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 11:15 AM	MSD PERSONNEL PLACED SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	21101	4302 SHELBYVILLE RD		UPPER SINKING FORK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716890	10/23/07 05:06 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	10/25/07 02:30 PM

Spot Inspections:

Discharge Amount:	5,197,600 GAL
Cause:	SET PUMP TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 05:06 AM	MSD PERSONNEL PLACED SIGNS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729624	12/13/07 08:20 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/13/07 11:45 PM

Spot Inspections:

Discharge Amount:	1,335,500 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 08:20 AM	MSD PERSONNEL PLACED SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730253	12/15/07 11:00 AM	RICHARDSON	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/17/07 11:30 PM

Spot Inspections:

Discharge Amount:	5,422,600 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 11:00 AM	MSD PERSONNEL PLACED SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	21153	4522 CORDOVA RD		UPPER SINKING FORK	CATCH BASIN

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716888	10/23/07 04:56 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	10/24/07 08:00 PM

Spot Inspections:

Discharge Amount:	3,759,800 GAL
Cause:	SET PUMP TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 04:56 AM	MSD PERSONNEL PLACED SIGNS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729620	12/13/07 08:10 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/13/07 09:05 PM

Spot Inspections:

Discharge Amount:	1,123,000 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 08:10 AM	MSD PERSONNEL PLACED SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730244	12/15/07 10:45 AM	RICHARDSON	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/17/07 04:11 AM

Spot Inspections:

Discharge Amount:	3,512,600 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 10:45 AM	MSD PERSONNEL PLACED SIGNS
12/15/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	21156	4601 STONEHENGE DR		UPPER SINKING FORK	CATCH BASIN

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716894	10/23/07 05:30 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	10/25/07 01:33 AM

Spot Inspections:

Discharge Amount:	4,493,100 GAL
Cause:	SET PUMP TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 05:30 AM	MSD PERSONNEL PLACED SIGNS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729626	12/13/07 08:25 AM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/13/07 11:00 PM

Spot Inspections:

Discharge Amount:	1,159,500 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 08:25 AM	MSD PERSONNEL PLACED SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730249	12/15/07 11:05 AM	RICHARDSON	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/17/07 05:15 AM

Spot Inspections:

Discharge Amount:	4,066,100 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 11:05 AM	MSD PERSONNEL PLACED SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	21506	901 FALGATE CT		MUDDY FORK BEARGRASS CREEK	CATCH BASIN

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717069	10/23/07 03:25 PM	BRIGHT	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	10/24/07 07:30 PM

Spot Inspections:

Discharge Amount:	2,191,000 GAL
Cause:	SET PUMP TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 03:25 PM	MSD PERSONNEL PLACED SIGNS AROUND PUMP
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730254	12/15/07 11:30 AM	RICHARDSON	BRIGHT	D	02/17/00	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	12/16/07 11:00 PM

Spot Inspections:

Discharge Amount:	3,468,000 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED
Control Zone:	MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 11:30 AM	MSD PERSONNEL PLACED SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	21628-W	7404 ARROWWOOD RD		GOOSE CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730337	12/15/07 01:20 PM	ELDER	KUSTES	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 05:50 PM

Spot Inspections:

Discharge Amount:	10,800 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	AREA RAKED & DEBRIS HAULED
Control Zone:	SIGNS POSTED IN AREA
Impact:	DEBRIS WAS NOTICED
Repair:	HAULING TO PREVENT FURTHER DISCHARGE

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 05:50 PM	Signs posted in area

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	22436	6600 SEMINARY WOODS PL		GOOSE CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730345	12/15/07 11:00 AM	ELDER	SIMMS	D	07/14/04	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 07:01 PM

Spot Inspections:

Discharge Amount:	30,000 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEAN UP NOT FEASIBLE AT THIS TIME
Control Zone:	SIGNS POSTED
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	STATION CLEANED AND SERVICED

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	signs posted .website notification issued

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	24474-W	410 MOCKINGBIRD VALLEY RD			

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730365	12/15/07 10:30 AM	ELDER	SIMMS			LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/17/07 12:50 AM

Spot Inspections:

Discharge Amount:	151,200 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEAN UP NOT FEASABLE
Control Zone:	SIGNS POSTED AREA TAPED OFF
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	THE SOLUTION FOR THIS LOCATION WILL BE IN THE SSDP TO BE SUBMITTED BY 12/31/08

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	25012	4641 BEAVER RD		UPPER SINKING FORK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717166	10/23/07 05:40 PM	GRIFFITH	GRIFFITH	D	05/28/04	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 02:39 PM

Spot Inspections:

Discharge Amount:	1,701,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	MSD PERSONNEL PLACED DOOR CARDS AROUND THE AFFECTED AREA
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31,2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 05:40 PM	Advised customer by door card
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730302	12/15/07 04:48 PM	MITCHELL	GRIFFITH	D	05/28/04	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 07:14 PM

Spot Inspections:

Discharge Amount:	2,187,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER THE RAIN EVENT
Control Zone:	POSTED DOOR HANGERS, CONES AND TEMPORARY SIGNS
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 04:48 PM	ADVISED CUSTOMERS BY DOOR HANGERS AND TEMPORARY SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	25676	3703 ALCONA LN		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717178	10/23/07 06:56 PM	GRIFFITH	GRIFFITH	D	02/18/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 12:35 PM

Spot Inspections:

Discharge Amount:	459,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	TAPE AND CONES HAVE BEEN PLACED AT THIS SITE
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 06:56 PM	MSD ADVISED CUSTOMER BY DOOR CARDS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730280	12/15/07 04:08 PM	MITCHELL	GRIFFITH	D	02/18/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 05:10 AM

Spot Inspections:

Discharge Amount:	351,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY
Clean Up:	REFFERED TO IFP FOR CLEAN UP AFTER THE RAIN EVENT
Control Zone:	POSTED TEMPORARY SINGNS, BARRICADE, CONE,CAUTION TAPE AND DOOR HANGERS
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 04:08 PM	ADISED CUSTOMERS BY DOOR HANGERS AND TEMPOARAY SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	27005	1012 ALTA CIR		MIDDLE FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716844	10/22/07 08:07 PM	GRIFFITH	GRIFFITH	D	09/02/03	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 04:53 PM

Spot Inspections:

Discharge Amount:	3,726,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	PERMANENT SIGN HAS BEEN POSTED AT THIS SITE
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/22/07 08:07 PM	PERMANENT SIGN POSTED AT THIS SITE
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729773	12/13/07 11:15 AM	MITCHELL	GRIFFITH	D	09/02/03	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/13/07 03:00 PM

Spot Inspections:

Discharge Amount:	12,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	PERMANENT SIGNS ARE POSTED. SETUP BARRICADE WITH TEMPORARY SIGN, CONE AND CAUTION TAPE
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 11:15 AM	ADVISED CUSTOMER WITH PERMANENT AND TEMPORARY SIGNS

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730246	12/15/07 10:44 AM	MITCHELL	GRIFFITH	D	09/02/03	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 06:30 PM

Spot Inspections:

Discharge Amount:	2,511,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	PERMANENT SIGNS ARE POSTED, SETUP BARRICADE WITH TEMPORARY SIGN, CONE AND CAUTION TAPE
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLANTO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 10:44 AM	ADVISED CUSTOMERS WITH PERMANENT AND TEMPORARY SIGNS
12/15/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	29595	7636 DEER MEADOW DR		LITTLE GOOSE CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	720776	11/03/07 02:05 PM	DUNLAP	DUNLAP	E	11/03/07	ROOTS	DISCHARGE TO WATERS OF THE US	11/03/07 03:10 PM

Spot Inspections:

Discharge Amount:	10 GAL
Cause:	ROOTS IN MAIN SEWER
Clean Up:	NO CLEAN UP REQUIRED WATER SOAKED INTO GROUND
Control Zone:	ADVISED CUSTOMER TO AVOID DIRECT CONTACT WITH SEWAGE; ALSO PLACED SIGNS AROUND IMPACTED AREA
Impact:	SMALL AMOUNT OF WATER AROUND MANHOLE. NO SEWAGE OR PAPER PRODUCTS PRESENT. SMALL DISCHARGE INTO CREEK
Repair:	WORK ORDERS 720773 AND 721336 - FLUSHED MAIN SEWER AND REPAIRED THE MAIN SEWER

Notifications:

11/03/07 02:05 PM	ADVISED CUSTOMER ON SITE
11/03/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	30680	3420 FOUNTAIN DR		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717163	10/23/07 07:20 PM	GRIFFITH	GRIFFITH	D	05/30/04	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 03:20 AM

Spot Inspections:

Discharge Amount:	4,320 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	MSD PERSONNEL PLACED DOOR CARDS AROUND THE AFFECTED AREA
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 07:20 PM	Advised customer by door card
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730260	12/15/07 01:39 PM	MITCHELL	GRIFFITH	D	05/30/04	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 04:48 AM

Spot Inspections:

Discharge Amount:	8,100 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER THE RAIN EVENT
Control Zone:	POSTED TEMPOARAY SIGNS, BARRICADE, CONE, CAUTION TAPE AND DOOR HANGERS
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMTTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 01:39 PM	ADVSED CUSTOMERS BY DOOR HANGERS AND TEMPORARY SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	36763	3530 FINCASTLE RD		CAMP TAYLOR DITCH	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717111	10/23/07 06:27 PM	RICHARDSON	RICHARDSON	E	08/16/05	ROOTS	DISCHARGE TO WATERS OF THE US	10/24/07 01:10 PM

Spot Inspections:

Discharge Amount:	200 GAL
Cause:	ROOTS IN MAIN SEWER
Clean Up:	CUSTOMER CLEANED THE AFFECTED AREA
Control Zone:	MSD PERSONNEL PLACED SIGNS AROUND AFFECTED AREA
Impact:	WATER COMING OUT OF MANHOLE
Repair:	WORK ORDER 718282 - ROOT CUT THE MAIN SEWER

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 06:33 PM	ADVISED CUSTOMER ON SITE
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	40870	2120 INDIAN HILLS TRL		MUDDY FORK BEARGRASS CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717038	10/23/07 10:00 AM	MARKS JR	KUSTES	D	09/27/02	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 11:00 AM

Spot Inspections:

Discharge Amount:	75,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	DEBRIS HAULED AREA RAKED AND SANITIZED
Control Zone:	SIGNS POSTED AREA TAPED OFF CONES PLACED
Impact:	ONLY SLIGHT DISCOLORATION OBSERVED
Repair:	HAULED TILL DISCHARGE STOPPED

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 10:00 AM	Signs posted and area taped off.
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	40872	2105 INDIAN HILLS TRL		MUDDY FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730343	12/15/07 05:15 PM	ELDER	SIMMS			LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 08:00 PM

Spot Inspections:

Discharge Amount:	81,000 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT FEASABLE AT THIS TIME
Control Zone:	CONES & BARRICADES IN ROADWAY
Impact:	DEBRIS NOTICED
Repair:	THE SOLUTION FOR THIS LOCATION WILL BE IN THE SSDP TO BE SUBMITTED BY 12/31/08

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 08:00 PM	Cones & road barricades posted

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	44397	4000 FINCASTLE RD		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716945	10/23/07 07:45 AM	GRIFFITH	GRIFFITH	D	05/27/04	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 12:00 PM

Spot Inspections:

Discharge Amount:	8,640 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	TAPE HAS BEEN POSTED
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31,2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 07:45 AM	Advised Customer by door card
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730240	12/15/07 09:25 AM	MITCHELL	GRIFFITH	D	05/27/04	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 06:40 PM

Spot Inspections:

Discharge Amount:	7,020 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	TEMPORARY SIGNS HAVE POSTED, SETUP BARRICADE, TAPE AND DOOR HANGERS
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 09:25 AM	ADVISED CUSTOMER BY TEMPOARAY SIGNS AND DOOR HANGERS
12/15/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	45835	1132 ROSTREVOR CIR		MIDDLE FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717168	10/23/07 07:00 AM	GRIFFITH	GRIFFITH	D	09/02/03	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 04:46 PM

Spot Inspections:

Discharge Amount:	322,080 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	PERMANENT SIGNS HAVE BEEN POSTED
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 02:00 PM	PERMANENT SIGNS POSTED AT THIS SITE
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729769	12/13/07 11:10 AM	MITCHELL	GRIFFITH	D	09/02/03	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/13/07 03:15 PM

Spot Inspections:

Discharge Amount:	1,400 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	PERMANENT SIGNS POSTED. SETUP BARRICADE WITH TEMPORARY SIGN, CONES AND CAUTION TAPE
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 11:10 AM	ADVISED CUSTOMER BY PERMANENT AND TEMPORARY SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730243	12/15/07 10:36 AM	MITCHELL	GRIFFITH	D	09/02/03	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 11:30 AM

Spot Inspections:

Discharge Amount:	81,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	PERMANENT SIGNS ARE POSTED, SETUP BARRICADE WITH TEMPORARY SIGN, CONES AND CAUTION TAPE
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 10:36 AM	ADVISED CUSTOMERS WITH PERMANENT SIGNS
12/15/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	49647	4315 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717044	10/23/07 11:15 AM	GRIFFITH	GRIFFITH	D	11/29/01	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 03:00 PM

Spot Inspections:

Discharge Amount:	756,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	TAPE AND A PERMANENT SIGN WAS POST AT THIS SITE
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 11:15 AM	Advised Customer by door card
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730257	12/15/07 01:35 PM	MITCHELL	GRIFFITH	D	11/29/01	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 06:53 PM

Spot Inspections:

Discharge Amount:	823,500 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	TEMPORARY SIGNS, BARRICADE, CONE, CAUTION TAPE AND DOOR HANGERS
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 01:35 PM	ADVISED CUSTOMERS WITH DOOR HANGERS AND TEMPORARY SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	49672	3603 BARDSTOWN RD		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730497	12/15/07 11:14 PM	MITCHELL	GRIFFITH	D	12/15/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 04:30 AM

Spot Inspections:

Discharge Amount:	648,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER THE RAIN EVENT
Control Zone:	POST BARRICADE WITH TEMPORARY SIGNS
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/16/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 11:14 PM	ADVISED CUSTOMERS WITH TEMPORARY SIGNS
12/16/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	63319	4613 BLENHEIM RD		UPPER SINKING FORK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717181	10/23/07 05:08 PM	GRIFFITH	GRIFFITH	D	10/23/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 02:17 PM

Spot Inspections:

Discharge Amount:	2,052,000 GAL
Cause:	LACK OF SYSTEM CAPCITY - HEAVY RAIN
Clean Up:	NO IMPACT OBSERVED
Control Zone:	NO CONTROL ZONE NEEDED
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 05:08 PM	NO DISPUB NEEDED
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730296	12/15/07 04:35 PM	MITCHELL	GRIFFITH	D	10/23/07	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 06:05 AM

Spot Inspections:

Discharge Amount:	183,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO THE MAGNITUDE OF STORM
Control Zone:	POSTED TEMPORARY SIGNS, PERMANENT SIGNS, CONES, CAUTION TAPE AND DOOR HANGERS
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 04:35 PM	POSTED PERMANENT SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	63779	4315 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717172	10/23/07 04:18 PM	GRIFFITH	GRIFFITH	D	02/17/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 03:05 PM

Spot Inspections:

Discharge Amount:	1,863,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	BARRICADES AND TEMPORARY SIGNS HAVE BEEN POSTED
Impact:	DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 04:18 PM	MSD ADVISED CUSTOMERS BY DOOR CARDS AND TEMPARAY SIGNS
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730259	12/15/07 01:14 PM	MITCHELL	GRIFFITH	D	02/17/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 06:58 PM

Spot Inspections:

Discharge Amount:	247,050 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	REFERRED TO IFP FOR CLEAN UP AFTER RAIN EVENT
Control Zone:	POSTED TEMPORARY SIGNS, BARRICADE, CONE, CAUTION TAPE AND DOOR HANGERS
Impact:	SEWAGE AND DEBRIS FOUND ON THE GROUND
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31, 2008

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 01:14 PM	ADVISED CUSTOMERS BY TEMPORARY SIGNS AND DOOR HANGERS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	72571-X	4600 CHAMPIONS TRACE LN		SOUTH FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716846	10/22/07 05:49 PM	GRIFFITH	GRIFFITH	D	11/29/01	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/25/07 06:10 AM

Spot Inspections:

Discharge Amount:	2,736,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	PERMANENT SIGNS HAVE BEEN POSTED
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/22/07 05:49 PM	PERMANENT SIGNS POSTED AT THIS SITE
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	726410	12/02/07 07:49 PM	LASLEY JR	GRIFFITH	D	11/29/01	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/02/07 08:01 PM

Spot Inspections:

Discharge Amount:	1,500 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	PERMANENT SIGNS HAVE BEEN POSTED
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/02/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/02/07 09:13 PM	PERMANEMENT SIGNS ARE POSTED
12/02/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729648	12/13/07 07:28 AM	GRIFFITH	GRIFFITH	D	11/29/01	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/15/07 01:29 AM

Spot Inspections:

Discharge Amount:	28,500 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	PERMANENT SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 07:28 AM	ADVISED CUSTOMER WITH PERMANENT SIGNS
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730250	12/15/07 11:21 AM	MITCHELL	GRIFFITH	D	11/29/01	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/17/07 08:39 AM

Spot Inspections:

Discharge Amount:	5,241,000 GAL
Cause:	LACK OF SYSTEM CAPACITY - HEAVY RAIN
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	PERMANENT SIGNS ARE POSTED
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 11:21 AM	ADVISED CUSTOMERS WITH PERMANENT SIGNS
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	CSO015	4010 BELLS LN		OHIO RIVER	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	731130	12/19/07 02:01 AM	FRENCH	FRENCH	D	12/19/07	PUMPED DUE TO COE MANUAL	DISCHARGE TO WATERS OF THE US	12/20/07 12:00 PM

Spot Inspections:

Discharge Amount:	42,600,000 GAL
Cause:	ELEVATED OHIO RIVER - CREST 424+-
Clean Up:	NO CLEANUP PERFORMED - PIPES DISHCARGE UNDERWATER, DIRECTLY INTO RIVER.
Control Zone:	NO CONTROL ZONE SET UP - PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER.
Impact:	NONE OBSERVED - OUTLETS SUBMERGED.
Repair:	IN COMPLIANCE WITH USACE FLOOD PUMPING PROTOCOLS.

Notifications:

12/19/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/19/07 02:01 AM	NO PUBLIC NOTIFICATION PERFORMED, INSIDE AREA OF SOUTHWESTERN PS.
12/19/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	CSO018	1800 NIGHTINGALE RD		SOUTH FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	731838	12/25/07 12:50 PM	ELDER	JONES	R	12/25/07	ELECTRICAL PROBLEMS AT MSD	DISCHARGE TO WATERS OF THE US	12/25/07 03:50 PM

Spot Inspections:

Discharge Amount:	2,500,000 GAL
Cause:	ELECTRICAL FAILURE OF PRIMARY & SECONDARY LEVEL CONTROLERS
Clean Up:	CLEANUP NOT FEASIBLE
Control Zone:	PERMANENT SIGNS ARE POSTED ALL THE WAY DOWNSTREAM
Impact:	NONE OBSERVED BY MSD PERSONNEL
Repair:	REPAIRED LEVEL CONTROLLERS TO RESUME CONTROL OF LEVELS

Notifications:

12/25/07 12:50 PM	Temporary signs posted downstream of CSO018.
12/25/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	CSO113	1215 ELLISON AVE		SOUTH FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	721326	11/07/07 10:50 AM	MORRISON	BRIGHT	R	12/09/05	OBSTRUCTION-NOT GREASE / ROOTS	DISCHARGE TO WATERS OF THE US	11/07/07 11:35 AM

Spot Inspections:

Discharge Amount:	675 GAL
Cause:	OBSTRUCTION IN MAIN SEWER
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	PLACED BARRICADES AND CONES AROUND THE AFFECTED AREA
Impact:	WATER WAS KICKING OVER THE DAM INTO THE CREEK
Repair:	FLUSHED MAIN SEWER AND REMOVED THE BLOCKAGE

Notifications:

11/07/07 12:24 PM	DISCHARGE TO CSO OVERFLOW, PUBLIC AWARENESS AT POINT OF OVERFLOW
11/07/07 12:59 AM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0012-PS	3246 RADIANCE RD	HIGHGATE SPRINGS	SOUTH FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	715021	10/17/07 01:00 PM	PORTER JR	PORTER JR	D	12/16/00	MECHANICAL FAILURE	DISCHARGE TO WATERS OF THE US	10/17/07 01:45 PM

Spot Inspections:

Discharge Amount:	120 GAL
Cause:	PLUG VALVE LEAK
Clean Up:	RAKED AREA
Control Zone:	CONTROL ZONE WAS NOT SET-UP, SEWAGE LEAKED INTO STREAM DURING DRAW DOWN TEST, NO SOLIDS
Impact:	NO SOLIDS OBSERVED
Repair:	WO #4012033 WAS ISSUED FOR REPAIR OF PLUG VALVE.

Notifications:

10/17/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716841	10/22/07 06:30 PM	MARKS JR	ALEXANDER	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/25/07 06:00 AM

Spot Inspections:

Discharge Amount:	16,128,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL CLEANED & SANITIZED THE IMPACTED AREA
Control Zone:	AREA WAS TAPED OFF CONES AND SIGNS PLACED
Impact:	SLIGHT DISCOLORATION OF STREAM
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/22/07 06:30 PM	Area taped off, cones and signs placed along affected area.
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729165	12/09/07 10:03 PM	SINGLETON	PORTER JR	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/10/07 02:00 PM

Spot Inspections:

Discharge Amount:	259,200 GAL
Cause:	STORM FLOW, LACK OF SYSTEM CAPACITY
Clean Up:	CLEAN UP NOT FEASIBLE
Control Zone:	SIGNS WERE POSTED
Impact:	NO VISUAL IMPACT WAS OBSERVED
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN.

Notifications:

12/10/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/09/07 10:03 PM	Temporary signs were posted

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729778	12/13/07 06:30 AM	SINGLETON	PORTER JR	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/14/07 06:00 PM

Spot Inspections:

Discharge Amount:	3,780,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL CLEANED & SANITIZED THE IMPACTED AREA
Control Zone:	NO CONTROL ZONE SET UP
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY DISCHARGE PLAN

Notifications:

12/13/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 06:30 AM	Public was not notified
12/13/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730318	12/15/07 08:55 AM	ELDER	AVERETTE	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/18/07 12:00 PM

Spot Inspections:

Discharge Amount:	21,146,450 GAL
Cause:	LACK OF CAPACITY
Clean Up:	CLEANUP NOT FEASIBLE
Control Zone:	NO CONTROL ZONE SET UP
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	THIS STATION IS UNDER MSD'S ABATEMENT PLAN.

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0023-PS	501 MOCKINGBIRD VALLEY RD	MELLWOOD AVENUE	MUDDY FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717039	10/23/07 11:00 AM	MARKS JR	KUSTES	D	01/02/04	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 06:30 PM

Spot Inspections:

Discharge Amount:	14,400 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	AREA RAKED AND DEBRIS HAULED AREA SANITIZED AND CLEANED
Control Zone:	CONES PLACED AREA TAPED OFF WITH SIGNS HUNG
Impact:	ONLY SLIGHT DISCOLORATION NO DEBRIS OR SOLIDS OBSERVED.
Repair:	STATION HAULED TO PREVENT DISCHARGE

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 01:34 PM	Cones placed and area taped off.
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	729767	12/13/07 09:40 AM	MARKS JR	KESSEL	D	01/02/04	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/13/07 10:00 PM

Spot Inspections:

Discharge Amount:	20,500 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	AREA OF AROUND DISCHARGE PIPE RAKED AND CLEANED
Control Zone:	SIGNS POSTED AREA TAPED OFF
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	CURRENTLY HAULING TO PREVENT DISCHARGE.

Notifications:

12/13/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/13/07 12:37 PM	excessive rain flow caused station to bypass to creek.
12/13/07 12:39 PM	signs posted and public notified
12/13/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0042-PS	1701 SONNE AVE	SONNE AVE	PADDY RUN	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730376	12/15/07 12:45 PM	ELDER	LAMBDIN JR	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/15/07 07:00 PM

Spot Inspections:

Discharge Amount:	317,850 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEAN UP NOT FEASIBLE AT THIS TIME. TEMPORARY SIGNS POSTED & LIMED AREA 12/16
Control Zone:	TEMP. SIGNS POSTED
Impact:	SEWAGE & DEBRIS ON THE GROUND
Repair:	HAULED TO PREVENT FURTHER DISCHARGE

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 03:37 PM	TEMPORARY SIGNS POSTED & LIMED AREA 12/16

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0175-PS	8901 PROVINCETOWN PL	ACUSHNET ROAD	GOOSE CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730422	12/16/07 12:10 AM	MARKS JR	KUSTES	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/17/07 12:01 AM

Spot Inspections:

Discharge Amount:	21,600 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	AREA RAKED & DEBRIS HAULED
Control Zone:	SIGNS WERE PLACED AROUND AFFECTED AREA
Impact:	DEBRIS WAS NOTICED
Repair:	CLEANED AND SERVICED STATION

Notifications:

12/16/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 01:35 AM	current flow rate est 15gpm
12/16/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 12:10 AM	Signs were placed around affected area

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0183-PS	3450 WOODSIDE RD	GLENVIEW HILLS	OHIO RIVER	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	716843	10/22/07 07:00 PM	MARKS JR	KESSEL	D	03/20/02	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/22/07 08:00 PM

Spot Inspections:

Discharge Amount:	300 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	AREA RAKED AND DEBRIS WAS HAULED. AREA WAS CLEANED AND SANITIZED.
Control Zone:	AREA WAS TAPED OFF AND SIGNS POSTED ALONG WITH CONES
Impact:	ONLY SLIGHT DISCOLORATION OF STREAM OBSERVED , NO DEBRIS OR TRASH
Repair:	CONTRACTOR HAULING TILL INFLUX OF FLOW SUBSIDES.

Notifications:

10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/22/07 07:00 PM	Area taped off. Signs and cones posted along affected area.

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0022411 (Cont'd)	MSD0278	MORRIS FORMAN	OHIO RIVER	WEST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0192-PS	4640 BARBOUR LN	BARBOUR LANE	LITTLE GOOSE CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717037	10/23/07 08:00 AM	MARKS JR	KESSEL	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 09:00 AM

Spot Inspections:

Discharge Amount:	75,000 GAL
Cause:	LACK OF SYSTEM CAPACITY.
Clean Up:	AREA RAKED AND DEBRIS HAULED AREA CLEANED AND SANITIZED
Control Zone:	AREA TAPED OFF SIGNS POSTED CONES WERE PLACED
Impact:	ONLY SLIGHT DISCOLORATION OF STREAM OBSERVED.
Repair:	HAULING TO PREVENT FUTURE OVERFLOW

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 08:00 AM	Area taped off, signs were posted and cones were placed.
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0089540	MSD0289	CEDAR CREEK	CEDAR CREEK	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SSL Sewer Service Line	160264	6023 COOPER CHAPEL RD		FISHPOOL CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717025	10/23/07 08:40 AM	ELDER	MAPP	D	06/03/06	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/23/07 09:45 AM

Spot Inspections:

Discharge Amount:	750 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	AREA WAS SCRUBBED, LIMED & RAKED
Control Zone:	TEMPORARY SIGNS PLACED COVERING SITE AFFECTED BY OVERFLOW
Impact:	WATER OVERFLOW SOME DISCOLORATION ON GROUND
Repair:	CONTRACTED API TO HAUL TO PREVENT OVERFLOWS UNTIL SYSTEM RECOVERS FROM RAIN EVENT.

Notifications:

10/23/07 12:35 PM	Posted temporary signs in affected area.
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0089540 (Cont'd)	MSD0289	CEDAR CREEK	CEDAR CREEK	CENT

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717080	10/23/07 04:18 PM	RICHARDSON	RICHARDSON	D	06/03/06	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 01:50 PM

Spot Inspections:

Discharge Amount:	20 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL RAKED AND BAGGED DEBRIS AROUND AFFECTED AREA
Control Zone:	MSD PERSONNEL PLACED SIGNS AROUND AFFECTED AREA
Impact:	SEWAGE DISCHARGING FROM MSD CLEAN OUT
Repair:	REPAIRS NOT WARRANTED

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/23/07 04:33 PM	ADVISED CUSTOMER BY TELEPHONE
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0089540 (Cont'd)	MSD0289	CEDAR CREEK	CEDAR CREEK	CENT

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	717198	10/23/07 07:30 PM	ELDER	JONES	D	06/03/06	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	10/24/07 07:41 AM

Spot Inspections:

Discharge Amount:	16,750 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	AREA LIMED & RAKED
Control Zone:	TEMPORARY SIGNS PLACED AROUND AFFECTED AREA
Impact:	SOME DISCOLORATION ON GROUND
Repair:	AREA HAS BEEN LIMED & RAKED

Notifications:

10/22/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
10/24/07 02:11 AM	Temporary signs placed around affected area, Area has been limed & cleaned
10/22/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0089540 (Cont'd)	MSD0289	CEDAR CREEK	CEDAR CREEK	CENT

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730367	12/15/07 12:42 PM	ELDER	BOARD	D	06/03/06	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/15/07 08:30 PM

Spot Inspections:

Discharge Amount:	9,360 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT FEASABLE AT THIS TIME. TEMPORARY SIGNS POSTED & LIMED AREA 12/16
Control Zone:	TEMPORARY SIGNS PLACED AROUND AFFECTED AREA
Impact:	STREAM DISCORATION, FISHPOOL CREEK ID#26094
Repair:	THE SOLUTION FOR THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY 12/31/08

Notifications:

12/15/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/15/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 03:31 PM	TEMPORARY SIGNS POSTED & LIMED AREA 12/16

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0089540 (Cont'd)	MSD0289	CEDAR CREEK	CEDAR CREEK	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0161-LS	9017 BRANDYWYNE DR	HOLLY OAKS	FERN CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	726427	12/02/07 10:00 PM	SINGLETON	PORTER JR	D	02/15/01	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/02/07 10:30 PM

Spot Inspections:

Discharge Amount:	1,000 GAL
Cause:	STORM FLOW
Clean Up:	AREA RAKED AND DEBRIS WAS HAULED
Control Zone:	CONES WERE PLACED
Impact:	DISCOLORATION IN STREAM
Repair:	HAULING STATION TO PREVENT FURTHER DISCHARGE

Notifications:

12/03/07 06:50 AM	Cones were placed
12/03/07 12:59 AM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0029114	MSD0292	HUNTING CREEK SOUTH	HARRODS CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	66585	6302 DEEP CREEK DR		HARRODS CREEK	CATCH BASIN

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	729304	12/11/07 09:30 AM	RICHARDSON	RICHARDSON	R	12/11/07	ROOTS	DISCHARGE TO WATERS OF THE US	12/11/07 01:35 PM

Spot Inspections:

Discharge Amount:	100 GAL
Cause:	ROOTS IN THE MAIN SEWER
Clean Up:	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	POSTED DISCHARGE SIGN AND DOORCARDS IN THE AREA
Impact:	SEWAGE DISCHARING FROM THE MSD MANHOLE INTO STORM DRAIN
Repair:	WORK ORDERS 729336 AND 729389 - ROOT CUT THE MAIN SEWER AND THE PROPERTY SERVICE LINE

Notifications:

12/11/07 09:30 AM	ADVISED CUSTOMER ON SITE
12/11/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0029114 (Cont'd)	MSD0292	HUNTING CREEK SOUTH	HARRODS CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1063-PS	6210 DEEP CREEK CT	DEEP CREEK	HARRODS CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	730428	12/16/07 02:45 AM	MARKS JR	KESSEL	D	12/16/00	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	12/16/07 08:30 PM

Spot Inspections:

Discharge Amount:	25,500 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	NO DEBRIS
Control Zone:	CONES WERE SET OUT
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	HAULED TO PREVENT FURTHER DISCHARGE

Notifications:

12/16/07 12:59 AM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/16/07 02:45 AM	curent flow est 25gpm
12/16/07 12:59 AM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/18/07 07:51 AM	Cones were placed

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0043087	MSD0293	TIMBERLAKE	HARRODS CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0293	5504 TIMBER RIDGE DR		HARRODS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	728284	12/05/07 10:00 AM	MARKS JR	KUSTES	R	12/05/07	BYPASS AT TREATMENT PLANT	DISCHARGE TO WATERS OF THE US	12/05/07 11:15 AM

Spot Inspections:

Discharge Amount:	2,100 GAL
Cause:	MECHANICAL FAILURE OF CL2 LINE.
Clean Up:	NO CLEAN UP REQUIRED
Control Zone:	SIGNS POSTED
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	CL2 LINE REPAIRED AND PUT BACK IN SERVICE

Notifications:

12/05/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/05/07 03:48 PM	Signs posted around affected area.
12/05/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0042226	MSD0403	LAKE FOREST	CHENOWETH RUN	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0403	14000 BECKLEY TRCE		CHENOWETH RUN	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	722705	11/16/07 10:20 AM	MARKS JR	COOMER	D	05/20/05	BYPASS AT TREATMENT PLANT	DISCHARGE TO WATERS OF THE US	11/16/07 10:50 AM

Spot Inspections:

Discharge Amount:	300 GAL
Cause:	#3 PLT WASTE VALVE FOUND OPEN
Clean Up:	AREA WASHED DOWN
Control Zone:	SIGNS POSTED AREA TAPED OFF
Impact:	NO DISCOLORATION OF STREAM ONLY SUPERNATE DISCHARGED
Repair:	CLOSED WASTE VALVE AND OVERFLOW STOPPED

Notifications:

11/16/07 10:20 AM	Digester overflow. Supernate from rust hole ,due to #3 plt.waste valve found open . Clean water (supernate) went to stream no solids.
11/16/07 12:59 PM	Email notification of unauthorized discharge sent to Harkins.John@epamail.epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0031810	MSD0404	SHADOW WOOD	HARRODS CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0404	5489 FOREST LAKE DR		HARRODS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Assigned To	Disch Stat	Event Date	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	732038	12/27/07 01:50 PM	MARKS JR	LARUE	R	12/27/07	BYPASS AT TREATMENT PLANT	DISCHARGE TO WATERS OF THE US	12/27/07 04:30 PM

Spot Inspections:

Discharge Amount:	2,640 GAL
Cause:	FAILURE OF CL2 LINE
Clean Up:	NOT FEASIBLE
Control Zone:	SIGNS POSTED
Impact:	NO VISUAL IMPACT OBSERVED , WATER RECEIVING ALL PROCESS TREATMENT EXCEPT DISINFECTION.
Repair:	MAINTENANCE ON SITE REPAIRING CL2 LINE

Notifications:

12/27/07 12:59 PM	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov
12/27/07 01:50 PM	CL2 Feed lone to contact chamber broke. Maintence repairing line . Manual feeding CL2 to effluent to disinfect water
12/27/07 12:59 PM	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and bradley.kouns@ky.gov

Total Facilities Printed: 81

Appendix C – Summary of Wet Weather Combined Overflows

SUMMARY OF WET WEATHER COMBINED OVERFLOWS
STATUS THROUGH DECEMBER 2007

CSO NO.	CSO NAME	LOCATION	RECEIVING STREAM	NUMBER OF OVERFLOW INCIDENTS (NO./YR)	AVG. DURATION OF OVERFLOW (HRS)	AVG VOLUME PER INCIDENT (1000 G/INCIDENT)	STATUS	
OHIO RIVER WATERSHED								
015	SOUTHWESTERN PS	BELLS LN & I-264	OR	39	7.46	21,660	ACTIVE	
016	MILES PARK BYPASS	S OF 45th & WINNROSE	OR	0	0.00	0	ACTIVE	
019	34th STREET PS	34th & RUDD	OR	49	5.02	1,940	ACTIVE	
020	BUCHANAN PS	BUCHANAN & FRANKLIN	OR	41	3.65	980	ACTIVE	
022	FOURTH ST PS	FOURTH & MAIN	OR	13	1.15	570	ACTIVE	
023	ORI @ 4th ST PS	FOURTH & MAIN	OR	3	1.33	280	ACTIVE	
026	CRD 6th & BROADWAY	6th & BROADWAY	OR	0	0.00	0	ACTIVE	
027	CRD 7th & BROADWAY	7th & BROADWAY	OR	0	0.00	0	ACTIVE	
028	CRD 6th & YORK	6TH & YORK	OR	4	1.00	20	ACTIVE	
029	CRD 8th & YORK	8th & YORK	OR	24	1.50	120	ACTIVE	
030	CRD 9th & YORK "A"	9th & YORK	OR	17	1.17	80	ACTIVE	
031	CRD 6th & BRECKINRIDGE	6th & BRECKINRIDGE	OR	0	0.00	0	ACTIVE	
032	CRD 4th & BRECKINRIDGE	4th & BRECKINRIDGE	OR	0	0.00	0	ACTIVE	
033	CRD ON YORK E OF 4th	ON YORK E OF 4th	OR	2	1.00	6	ACTIVE	
034	CRD 4th & YORK	4th & YORK	OR	35	1.82	40	ACTIVE	
035	CRD 2nd & BROADWAY NO 1	2nd & BROADWAY	OR	0	0.00	0	ACTIVE	
036	CRD 3rd & BROADWAY	3rd & BROADWAY	OR	12	1.08	20	ACTIVE	
038	CRD 5th & BROADWAY	5th & BROADWAY	OR	2	1.00	2	ACTIVE	
049	PRESTON ST	PRESTON N OF JACKSON	OR			Eliminated	ELIMINATED	CSO Plugged
050	12th STREET	12th ST N OF MAIN	OR	34	4.23	200	ACTIVE	
051	11th STREET	11th ST N OF MAIN	OR	9	1.11	40	ACTIVE	
052	10th STREET	10th ST N OF MAIN	OR	8	1.25	60	ACTIVE	
053	8th STREET	8th ST N OF MAIN	OR	32	1.75	170	ACTIVE	
054	7th STREET	7th ST N OF MAIN	OR	18	2.38	50	ACTIVE	
055	6th STREET	6th ST N OF MAIN	OR	18	1.33	150	ACTIVE	
056	5th STREET	5th ST N OF MAIN	OR	33	2.93	130	ACTIVE	
057	FIRST STREET OVFL WEIR	1st & MAIN	OR	0	0.00	0	ACTIVE	
058	PRESTON ST OVFL WEIR	PRESTON & MAIN	OR	22	2.36	230	ACTIVE	
062	LOGAN COMPANY	N OF BUCHANAN PS	OR	47	9.74	1,030	ACTIVE	
104	SW PKWY SEWER @ BROADWAY	SW PKWY & BROADWAY	OR	21	1.90	290	ACTIVE	
105	WESTERN OUTFALL @ BROADWAY	BROADWAY @ SW PKWY	OR	82	6.26	4,280	ACTIVE	
150	8th ST @ COMMON PLACE	8th ST & COMMON PLACE	OR	49	2.42	80	ACTIVE	
155	ROWAN ST @ 12th ST	ROWAN & 12th	OR	4	1.25	10	ACTIVE	
156	6th & WASHINGTON SAN DIV	WASHINGTON W OF 6th	OR	0	0.00	0	ACTIVE	
160	SEWER IN ALLEY SAN DIV	1ST ST BTW MAIN & MARKET	OR	22	1.45	10	ACTIVE	
161	MARKET ST SAN DIV	FIRST & MARKET	OR	16	2.31	10	ACTIVE	
172	ADAMS STREET	ADAMS ST & I-64	OR	14	1.21	10	ACTIVE	

178	CRD 9th & YORK "B"	9th & YORK	OR	5	1.00	20	ACTIVE	
181	CRD 2nd & BROADWAY NO 2	2nd & BROADWAY	OR	14	1.21	20	ACTIVE	
189	NORTHWESTERN SAN DIV	SHAWNEE PARK FLOOD PS	OR	54	8.59	10,240	ACTIVE	
190	SEVENTEENTH ST SAN DIV	17th ST & NW PKWY	OR	36	3.52	290	ACTIVE	
191	ALGONQUIN PKWY SAN DIV	SOUTHWESTERN PS	OR	14	1.21	290	ACTIVE	
192	CRD S 6th & GARLAND	6th & GARLAND	OR	14	1.21	10	ACTIVE	
193	CRD S 6th & KENTUCKY	6th & KENTUCKY	OR	14	1.21	10	ACTIVE	
194	CRD S OAK W OF 4th	OAK ST W OF 4th ST	OR	0	0.00	0	ACTIVE	
195	CRD S 4th & OAK	4th & OAK	OR	0	0.00	0	ACTIVE	
196	CRD S 3rd & OAK	3rd & OAK	OR	58	3.22	20	ACTIVE	
197	CRD S 3rd S OF OAK	3rd ST S OF OAK ST	OR	33	1.81	10	ACTIVE	
198	CRD S 3rd & ORMSBY	3rd & ORMSBY	OR	57	2.66	30	ACTIVE	
199	CRD S 3rd N OF MAGNOLIA	3rd ST N OF MAGNOLIA	OR	11	1.18	1	ACTIVE	
200	CRD S 3rd & MAGNOLIA	3rd & MAGNOLIA	OR	31	1.54	8	ACTIVE	
201	CRD S 5th & KENTUCKY	5th & KENTUCKY	OR	27	2.70	10	ACTIVE	
202	CRD S ORMSBY W OF 3rd	ORMSBY W OF 3rd ST	OR	19	1.15	4	ACTIVE	
203	CRD S 4th & ORMSBY	4th & ORMSBY	OR	0	0.00	0	ACTIVE	
204	CRD S 5th & BRECKINRIDGE	5th & BRECKINRIDGE	OR			Eliminated	ELIMINATED	CSO Plugged - 5/19/00
207	2nd & JEFFERSON	2ND & JEFFERSON	OR	0	0.00	0	ACTIVE	
208	12th & JEFFERSON	12th & JEFFERSON	OR	0	0.00	0	ACTIVE	
210	45th STREET-GREENWOOD	S OF 45th & WINNROSE	OR	54	3.96	390	ACTIVE	
211	MAIN DIVERSION STRUCTURE	WAYNE SUPPLY	OR	43	5.72	11,900	ACTIVE	

APPENDIX C

BEARGRASS CREEK WATERSHED

018	NIGHTINGALE PS	NIGHTINGALE & SFBGC	SF BGC	1	29.00	640	ACTIVE	
065	LAMPTON STREET	LAMPTON & SWAN	SF BGC			Eliminated	ELIMINATED	CSO Plugged
080	PAYNE STREET	LEXINGTON RD W OF PAYNE	MF BGC			Eliminated	ELIMINATED	Sewers Separated
081	LETTERLE	LETTERLE @ BGC PS	SF BGC			Eliminated	ELIMINATED	CSO Plugged 9/07/06
082	BGI AT BGC	BGC @ OMFT	SF BGC	12	1.25	40	ACTIVE	
083	BRENT ST & BROADWAY CONNECT	BRENT & BROADWAY	SF BGC	36	1.86	70	ACTIVE	
084	BRENT ST @ BGC	BRENT ST @ BGC	SF BGC	15	1.20	140	ACTIVE	
086	PAYNE AT SPRING	PAYNE ST @ SPRING ST	MF BGC	0	0.00	0	ACTIVE	
087	BLUEHORSE	FRANKFORT @ BLUEHORSE	SF BGC			Eliminated	ELIMINATED	CSO Plugged 9/18/06
088	MELLWOOD AVE INT	BROWNSBORO RD @ BGC	SF BGC	0	0.00	0	ACTIVE	Sewers Separated
091	SCHILLER AVE OVFL	SCHILLER & HIGHLAND	SF BGC	3	1.33	20	ACTIVE	
092	ST CATHERINE @ BGC	SCHILLER BTW KY & ST CATHERINE	SF BGC	2	1.00	15	ACTIVE	
093	SPRING STREET	SPRING ST N OF MELLWOOD	SF BGC	0	0.00	0	ACTIVE	
097	CANTONMENT SIPHON NO 2	BGC S OF EASTERN PKWY	SF BGC	56	6.98	880	ACTIVE	
106	ROYAL - NEFF	BACKYARD OF 1212 ROYAL	SF BGC	11	1.09	10	ACTIVE	
108	REG N0 1 - NEWBURG	NEWBURG @ TREVILIAN	SF BGC	34	2.17	1,160	ACTIVE	
109	REG NO 2 - DEER PARK	BEHIND O. L. O. P.	SF BGC	19	1.15	150	ACTIVE	
110	REG NO 3 - GOSS AVE	BGC S OF EASTERN PKWY	SF BGC	32	1.90	120	ACTIVE	
111	EMERSON STREET SEWER	BGC N OF EASTERN PKWY	SF BGC	39	2.74	240	ACTIVE	
113	ELLISON AVENUE SEWER	ELLISON & SCHILLER	SF BGC	46	5.13	170	ACTIVE	
117	REG NO 11 - DRY RUN	LOGAN & CALDWELL	SF BGC	37	3.02	2,230	ACTIVE	
118	REG NO 15 - E BRDWY	BROADWAY W OF BGC	SF BGC	64	7.29	2,650	ACTIVE	
119	BRENT STREET SEWER	BGC N OF BROADWAY	SF BGC	27	1.62	80	ACTIVE	
120	PHOENIX HILL SEWER	E OF BGC & S OF BAXTER	SF BGC	24	1.50	180	ACTIVE	
121	REG NO 18 - GREEN ST	LEXINGTON RD W OF BGC	SF BGC	23	1.39	130	ACTIVE	
123	REG NO 20 - RUTH-SULGRV	ON BGC OP SPRING VALLEY	MF BGC			Eliminated	ELIMINATED	CSO Plugged
125	REG NO 24 - GRINSTEAD DR	GRINSTEAD @ I-64	MF BGC	30	7.16	610	ACTIVE	
126	REG NO 26 - RAYMOND AVE	I-64 & SAUNDERS LN	MF BGC	6	1.16	40	ACTIVE	
127	ETLEY AVENUE	LEXINGTON RD OP ETLEY	MF BGC	29	1.86	450	ACTIVE	
130	WEBSTER STREET	S OF STORY OP WEBSTER	SF BGC	26	3.53	250	ACTIVE	
131	REG NO 33 - MELWD & FRANKFORT	FRANKFORT AVE @ BGC	SF BGC	3	1.33	70	ACTIVE	
132	REG NO 35 - BROWNSBORO	BROWNSBORO & DRESCHER B	MudF BGC	64	6.62	1,830	ACTIVE	
137	CALVARY CEMETARY	CALVARY CEMETARY @ BGC	SF BGC	19	1.63	50	ACTIVE	
140	LOCUST STREET	LOCUST SW OF SPRING	MF BGC	28	1.92	180	ACTIVE	
141	BAXTER AVE @ BGC	BAXTER AVE & BGC	SF BGC	0	0.00	0	ACTIVE	
142	SBR LOGAN ST @ ST CATHERINE	LOGAN & ST CATHERINE	SF BGC	N/A	N/A	N/A	ACTIVE	
143	KENTUCKY STREET BLOW-OFF	OAK & BGC	SF BGC			Eliminated	ELIMINATED	Plugged-CSO not needed
144	VANCE ST REGULATOR	S END OF VANCE & I-64	MF BGC	27	3.70	20	ACTIVE	
145	POINT PUMP STATION	POINT PUMP STATION	SF BGC			Eliminated	ELIMINATED	CSO Plugged
146	SNEADS BRANCH DIVERSION	SWAN ST S OF BGC	SF BGC	51	6.72	1,790	ACTIVE	
147	SWAN STREET DIVERSION	SWAN ST N OF BGC	SF BGC			Eliminated	ELIMINATED	CSO Plugged 8/14/07
148	EASTERN PKWY DIVERSION	EASTERN PKWY E OF BGC	SF BGC	12	1.16	20	ACTIVE	
149	DRY RUN DIVERSION	KENTUCKY STREET & ST PAUL CT	SF BGC	19	8.26	360	ACTIVE	
151	REG NO 5 - CASTLEWOOD	BGC & CASTLEWOOD DELL	SF BGC	64	7.40	2,240	ACTIVE	
152	REG NO 7 - SOUTHEASTERN	BGC & RUFER AVENUE	SF BGC	42	2.88	810	ACTIVE	

153	COOPER STREET	LEXINGTON & COOPER	SF BGC	53	3.37	130	ACTIVE	
154	MELLWOOD @ SCHOEFFEL	MELLWOOD AVE & EDWD POND BR	MudF BGC	12	1.33	120	ACTIVE	
162	BEALS BRANCH HW REG	ON MFT S OF LEXINGTON	MF BGC			Eliminated	ELIMINATED	Overflow Plugged
166	BEALS BRANCH SAN DIV	LEXINGTON RD & I-64	MF BGC	31	1.83	520	ACTIVE	
167	BROWNSBORO LAT NO 2	BROWNSBORO & DRESCHER B	MudF BGC	0	0.00	0	ACTIVE	
174	SBR GOSS & BOYLE	GOSS AVE & BOYLE ST	SF BGC	18.0	1.2	110	ACTIVE	
179	KENTUCKY ST SEWER OVFL	KENTUCKY ST & ST PAUL CT	SF BGC	14	1.21	6	ACTIVE	
180	SBR ORMSBY AVE RELIEF	ORMSBY & CLAY	SF BGC	0	0.00	0	ACTIVE	
182	SBR SHELBY & BURNETT	BURNETT W OF SHELBY ST	SF BGC	38	2.00	290	ACTIVE	
183	SBR ALEXANDER & KESWICK	ALEXANDER & KESWICK	SF BGC	0	0.00	0	ACTIVE	
184	SBR FETTER & ALEXANDER	FETTER & ALEXANDER	SF BGC	14	1.21	20	ACTIVE	
185	SBR SHELBY & KESWICK	SHELBY & KESWICK	SF BGC	23	1.34	50	ACTIVE	
186	SBR LOGAN & OAK	LOGAN & OAK	SF BGC	0	0.00	0	ACTIVE	
187	SBR SHELBY & CAMP	SHELBY & CAMP	SF BGC	0	0.00	0	ACTIVE	
188	SBR SHELBY & CLAY	SHELBY & CLAY	SF BGC	0	0.00	0	ACTIVE	
205	SBR MORGAN STREET RELIEF	MORGAN & HOERTZ	SF BGC	0	0.00	0	ACTIVE	
206	CHEROKEE PARK @ SPRING DR	CHEROKEE RD & SPRING DR	MF BGC	63	10.50	1,410	ACTIVE	
209	CHEROKEE PK @ PARK BD RD	CHEROKEE PK @ PARK BD RD	MF BGC			Eliminated	ELIMINATED	Sewers Separated

TOTAL ACTIVE CSOs = 110

Notes:

This information was developed through computer model simulations processed on March 10, 2004. It is NOT measured data.

The rainfall data utilized as input was an average rainfall year developed through a statistical analysis evaluating 54 years of rainfall data (1948 to 2002) for Jefferson County, KY.

The model simulation was done assuming the peak capacity at MFWTP equal to 350 mgd. However, sustainability of 350 mgd has not yet been proven.

Summary updated to show the elimination of CSO 147 (closed 8/14/07).

OR - Ohio River
SF-BGC - South Fork of Beargrass Creek
MF-BGC - Middle Fork of Beargrass Creek
L-BGC - Lower Beargrass Creek
SBR - Sneads Branch Relief Sewer
CRD - Central Relief Drain

CSO Eliminate	
Sewer Separated	

Appendix D – Flow Monitoring Data

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 1, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 1, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 2, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.511		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.401		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 3, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 3, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.037		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 4, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.059		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.037		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.059		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.084		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	17:00	0.000	0.000	0.031	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 5, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 5, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 6, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000
October 7, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 8, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 8, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.043		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 9, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 10, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 10, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 11, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 12, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 13, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 13, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 14, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

		CSO #019	CSO #088	CSO #105	CSO #108	CSO #108	CSO #110	CSO #117	CSO #118	CSO #125	CSO #127	CSO #132	CSO #140	CSO #151	CSO #152	CSO #166	CSO #182	CSO #189	CSO #190	CSO #191	CSO #206	CSO #210	CSO #211
Date	Time	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
October 15, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 15, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	3:00	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	6:00	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.085	0.000	0.185	0.000	0.000
October 16, 2007	7:00	0.780	0.000	0.056	0.000	0.000	0.000	0.000	2.134		0.000	0.177	0.032	0.157	0.490	0.000	0.153	0.000	1.387	0.000	1.510	0.000	0.000
October 16, 2007	8:00	14.951	0.057	3.381	0.000	0.000	0.000	4.846	11.346		0.897	0.312	0.272	0.711	3.771	0.000	0.274	2.064	2.617	0.000	1.982	0.000	0.000
October 16, 2007	9:00	10.857	0.000	12.319	0.000	0.000	0.000	0.118	1.837		0.149	0.281	0.000	0.233	0.380	0.000	0.130	4.293	0.320	0.000	0.705	0.000	6.662
October 16, 2007	10:00	0.819	0.000	2.700	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.093	0.000	0.000	0.072	0.000	9.639
October 16, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.118	0.000	0.000	0.000	0.408
October 16, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 16, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
October 17, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 17, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 17, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 17, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 17, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 17, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 17, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 17, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 17, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	
October 18, 2007	3:00	0.291	0.000	0.069	0.000	0.000	0.000	0.000	0.002		0.000	0.111	0.000	0.082	0.000	0.000	0.006	0.000	0.607	0.000	0.366	0.000	
October 18, 2007	4:00	30.439	0.161	7.731	0.000	0.000	0.146	6.799	14.450		0.683	0.173	0.585	2.392	6.336	0.020	0.001	4.372	7.675	0.000	2.173	0.000	
October 18, 2007	5:00	23.026	0.000	27.343	0.002	0.000	0.700	5.130	7.507		1.542	0.048	0.000	1.038	3.662	0.536	0.449	9.005	1.044	0.009	1.627	0.000	
October 18, 2007	6:00	1.930	0.000	11.516	0.000	0.000	0.000	0.315	0.892		0.093	0.486	0.000	0.313	0.282	0.000	0.072	1.353	0.019	0.000	0.958	0.000	
October 18, 2007	7:00	0.000	0.004	1.218	0.160	0.091	1.460	3.311	6.738		0.785	0.089	0.013	1.330	5.318	0.464	0.324	0.475	0.000	0.000	2.133	0.000	
October 18, 2007	8:00	2.199	0.000	1.192	0.045	0.076	0.335	0.442	0.404		0.302	0.325	0.000	0.342	0.130	0.539	0.000	0.715	0.000	0.000	0.153	0.000	
October 18, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 18, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.000	0.000	0.964	
October 18, 2007	19:00	46.589	0.000	25.997	0.000	0.000	0.000	0.000	0.006		0.000	0.056	0.000	0.000	0.000	0.000	0.000	26.779	8.558	0.000	0.000	3.279	
October 18, 2007	20:00	4.445	0.000	7.257	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.142	0.042	0.000	0.000	0.620	
October 18, 2007	21:00	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.000	0.000	0.108	
October 18, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.000	0.000	
October 18, 2007	23:00	138.369	0.104	75.609	0.000	0.699	3.022	20.270	46.555		2.268	0.163	3.307	0.861	4.454	3.395	0.002	92.541	26.043	0.193	5.758	14.291	
October 19, 2007	0:00	38.211	0.000	71.338	0.000	0.335	1.566	3.012	5.043		0.134	0.674	0.000	0.711	0.563	0.756	0.109	38.590	0.548	0.303	0.142	7.251	
October 19, 2007	1:00	19.013	0.000	22.816	0.000	0.000	0.780	0.934	4.345		0.194	0.163	0.000	0.699	1.833	0.000	0.242	8.203	0.783	0.000	1.224	3.648	
October 19, 2007	2:00	13.057	0.000	5.782	0.000	0.000	0.083	0.007	0.129		0.052	0.321	0.000	0.351	0.000	0.000	0.000	5.223	0.000	0.000	0.000	1.895	
October 19, 2007	3:00	2.704	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	1.327	
October 19, 2007	4:00	0.069	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.324	
October 19, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.134	
October 19, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.875	
October 19, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.431	
October 19, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	
October 19, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	
October 19, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 19, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #109 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 20, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 20, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 21, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 22, 2007	12:00	0.000	0.000	0.015	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	
October 22, 2007	13:00	4.290	0.049	0.181	0.000	0.000	0.206	7.788	14.725		0.837	0.000	0.900	1.110	7.040	0.867	0.067	0.283	4.979	0.163	3.546	2.212	
October 22, 2007	14:00	53.156	0.273	46.618	0.000	2.367	4.804	17.356	43.817		8.005	0.000	4.970	4.379	16.814	7.935	0.000	27.559	19.908	0.341	6.287	9.092	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 22, 2007	15:00	38.828	0.147	58.331	0.000	0.541	2.315	9.443	19.411		1.265	0.162	0.845	4.282	10.459	2.237	0.008	26.506	6.018	0.326	3.342	6.527	
October 22, 2007	16:00	84.348	0.732	73.082	1.460	2.054	6.712	27.169	66.079		14.201	0.000	8.239	7.949	17.403	10.709	0.000	41.791	27.226	0.228	11.616	21.629	
October 22, 2007	17:00	95.076	0.182	121.146	4.520	3.984	4.592	13.436	28.216		4.391	0.000	3.220	3.390	12.166	7.126	0.000	93.020	20.141	0.185	9.183	38.055	
October 22, 2007	18:00	57.642	0.016	86.633	0.954	0.578	3.453	8.526	17.252		0.825	0.000	1.606	2.287	5.273	1.733	0.202	43.681	11.847	0.172	2.039	21.706	
October 22, 2007	19:00	17.191	0.000	35.170	0.238	0.501	2.032	0.529	1.401		0.083	0.137	1.831	1.420	0.564	0.772	0.013	10.640	0.019	0.190	0.005	2.993	
October 22, 2007	20:00	3.335	0.000	7.118	0.162	0.283	0.510	0.000	0.070		0.000	0.636	2.201	0.700	0.000	0.004	0.000	3.901	0.000	0.000	0.000	1.939	
October 22, 2007	21:00	0.006	0.000	0.180	0.001	0.002	0.001	0.000	0.000		0.000	0.441	2.032	0.139	0.000	0.024	0.000	0.048	0.000	0.000	0.811	1.799	
October 22, 2007	22:00	6.130	0.000	0.051	0.076	0.147	0.000	0.000	3.718		0.000	0.640	1.800	0.339	1.358	0.007	0.076	1.038	5.022	0.000	0.297	3.068	
October 22, 2007	23:00	43.489	0.162	22.733	0.161	0.149	1.553	10.273	23.146		0.446	2.099	2.766	2.322	8.345	0.124	0.006	16.384	8.381	0.293	2.315	5.587	
October 23, 2007	0:00	55.721	0.329	53.849	2.314	1.523	4.282	16.572	38.332		5.979	4.267	2.277	3.888	11.979	3.553	0.001	30.009	11.676	0.182	3.662	9.268	
October 23, 2007	1:00	26.766	0.000	41.230	0.684	0.505	0.802	2.090	3.344		0.680	3.364	1.996	1.097	0.768	0.901	0.182	15.536	0.005	0.262	0.574	4.999	
October 23, 2007	2:00	4.742	0.060	13.485	0.140	0.170	0.387	2.240	6.881		0.033	2.141	2.697	1.088	4.497	0.169	0.000	4.037	1.987	0.000	2.013	3.361	
October 23, 2007	3:00	32.416	0.562	27.752	2.836	1.935	4.434	13.526	29.288		1.738	6.989	1.940	2.174	13.034	6.932	0.000	18.412	9.160	0.512	4.954	6.655	
October 23, 2007	4:00	55.223	0.861	53.005	3.237	2.428	4.790	15.908	32.592		1.203	4.846	3.097	4.944	18.945	10.958	0.000	33.428	15.779	0.375	10.403	13.499	
October 23, 2007	5:00	72.705	1.570	83.112	7.197	8.158	9.848	20.640	45.015		14.634	0.868	3.680	7.659	17.841	11.613	0.000	47.027	18.879	0.053	3.004	23.270	
October 23, 2007	6:00	52.867	0.205	73.691	2.424	2.951	8.477	12.298	23.513		2.025	0.102	2.940	3.466	10.358	9.990	0.000	36.926	5.678	0.483	3.394	14.438	
October 23, 2007	7:00	26.497	0.052	40.742	0.631	0.999	5.905	4.831	9.136		3.332	0.104	1.452	1.824	4.475	4.822	0.045	11.274	0.323	0.570	1.544	6.396	
October 23, 2007	8:00	15.137	0.000	19.564	0.368	0.627	4.526	2.283	6.131		3.486	0.000	2.921	0.907	3.419	1.862	0.312	8.141	0.000	0.000	1.618	4.213	
October 23, 2007	9:00	10.914	0.000	9.291	0.373	0.588	3.222	0.264	1.962		1.782	0.130	1.541	1.003	0.676	2.045	0.091	3.792	0.000	0.000	0.179	2.428	
October 23, 2007	10:00	0.173	0.000	0.980	0.560	0.560	1.043	0.000	0.000		0.056	0.852	1.293	0.596	0.000	0.356	0.000	0.163	0.000	0.000	0.000	1.865	
October 23, 2007	11:00	0.001	0.000	0.000	0.213	0.230	0.208	0.000	0.105		0.000	0.759	2.484	0.376	0.000	0.000	0.000	0.103	0.000	0.000	0.000	1.650	
October 23, 2007	12:00	2.284	0.028	0.000	0.087	0.080	0.370	0.000	3.063		1.866	0.225	0.404	0.624	3.571	1.924	0.173	0.104	0.783	0.000	1.249	2.733	
October 23, 2007	13:00	45.731	0.291	19.022	2.783	2.077	5.263	11.760	24.784		11.038	0.319	3.366	3.038	10.226	11.538	0.000	20.145	9.952	0.399	2.822	5.585	
October 23, 2007	14:00	48.467	0.601	45.913	4.662	2.903	6.215	13.978	28.345		16.577	0.057	2.596	2.659	13.858	10.274	0.000	22.057	11.030	0.501	5.347	9.289	
October 23, 2007	15:00	46.396	0.535	60.087	4.754	5.039	6.302	13.490	23.230		11.536	0.049	2.906	4.593	11.419	10.185	0.000	23.738	7.769	0.172	4.255	10.968	
October 23, 2007	16:00	38.253	0.101	44.913	0.682	1.438	6.420	7.243	13.828		8.711	0.079	1.931	2.162	8.515	11.339	0.014	19.098	1.934	0.502	2.443	7.053	
October 23, 2007	17:00	27.645	0.211	30.814	0.667	1.173	6.465	7.932	16.968		6.157	0.000	2.068	1.506	10.835	12.171	0.019	11.006	4.023	0.053	3.017	5.264	
October 23, 2007	18:00	34.581	0.151	34.633	0.880	1.437	8.268	7.586	13.062		8.678	0.485	1.639	2.475	5.573	8.892	0.095	14.902	1.402	0.470	1.886	5.563	
October 23, 2007	19:00	16.341	0.143	20.149	0.486	0.773	5.358	4.694	11.111		8.599	0.572	1.365	1.603	7.116	9.689	0.021	7.845	0.629	0.000	2.003	3.158	
October 23, 2007	20:00	11.460	0.000	13.198	0.407	0.701	4.198	1.241	2.639		4.702	0.076	2.096	1.186	1.484	8.927	0.301	6.086	0.000	0.000	0.569	1.538	
October 23, 2007	21:00	7.940	0.038	6.312	0.684	0.731	3.460	1.131	5.195		4.888	0.042	1.786	1.358	4.511	9.890	0.224	4.094	0.327	0.000	1.633	1.687	
October 23, 2007	22:00	14.498	0.103	8.428	1.180	1.184	3.685	2.684	5.977		7.185	0.033	1.626	1.570	4.683	8.369	0.106	6.232	0.923	0.000	1.656	2.289	
October 23, 2007	23:00	14.638	0.009	9.083	2.023	1.481	2.591	3.269	6.187		8.581	0.000	1.847	1.480	3.507	6.787	0.056	6.869	0.002	0.000	2.074	1.402	
October 24, 2007	0:00	7.241	0.012	6.717	1.465	0.988	2.043	2.125	4.634		7.769	0.000	1.805	1.213	2.974	5.403	0.718	3.893	0.000	0.000	1.563	1.289	
October 24, 2007	1:00	6.228	0.000	4.283	0.943	0.683	1.312	0.358	2.769		2.620	0.000	2.114	0.886	1.627	5.578	0.633	3.263	0.000	0.000	1.190	1.149	
October 24, 2007	2:00	17.783	0.109	7.137	1.429	0.898	2.178	5.256	10.861		9.487	0.000	2.086	1.525	6.853	10.631	0.045	6.308	1.608	0.000	1.731	1.764	
October 24, 2007	3:00	21.126	0.000	13.153	0.991	0.532	1.636	1.783	3.100		4.882	0.000	2.092	0.785	1.436	4.463	0.796	7.453	0.000	0.000	0.989	1.309	
October 24, 2007	4:00	9.426	0.000	5.325	0.500	0.300	1.065	0.006	0.501		0.810	0.087	2.271	0.838	0.967	2.745	0.513	2.075	0.000	0.000	0.241	0.783	
October 24, 2007	5:00	4.708	0.000	0.094	0.369	0.187	0.416	0.000	0.000		0.357	0.023	2.424	0.493	0.000	0.524	0.001	0.107	0.000	0.000	0.049	0.429	
October 24, 2007	6:00	2.279	0.000	0.000	0.139	0.133	0.014	0.000	0.000		0.000	0.108	2.189	0.308	0.000	0.071	0.000	0.060	0.000	0.000	0.032	0.367	
October 24, 2007	7:00	3.209	0.000	0.000	0.242	0.117	0.122	0.000	0.000		0.000	0.097	2.420	0.643	0.000	0.662	0.000	0.035	0.000	0.000	0.677	0.498	
October 24, 2007	8:00	2.662	0.000	0.000	0.178	0.128	0.100	0.000	0.000		0.000	0.084	2.410	0.384	0.000	0.387	0.000	0.001	0.000	0.000	0.075	0.310	
October 24, 2007	9:00	0.000	0.000	0.000	0.079	0.046	0.010	0.000	0.000		0.000	0.691	2.318	0.519	0.000	0.000	0.000	0.001	0.000	0.000	0.004	0.240	
October 24, 2007	10:00	0.000	0.000	0.000	0.020	0.011	0.000	0.000	0.000		0.000	0.414	2.357	0.185	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.214	
October 24, 2007	11:00	0.000	0.000	0.000	0.002	0.001	0.000	0.000	0.000		0.000	0.481	2.391	0.032	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.234	
October 24, 2007	12:00	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000		0.000	0.501	1.877	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.152	
October 24, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.616	2.549	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.132	
October 24, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.477	3.992	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.155	
October 24, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.719	4.519	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.155	
October 24, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.525	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.155	
October 24, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.456	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 24, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.517	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 24, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.531	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 24, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.601	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 24, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.499	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 24, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.583	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 24, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.773	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 25, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.634	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.553	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.241	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.098	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.078	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.443	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.450	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.238	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.138	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.121	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.131	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.089	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.058	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.043	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 25, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021		0.000	0.000	0.000	0.000	0.000	0.000	0.065	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	15:00	0.000	0.000	0.039	0.000	0.000	0.106	0.816	3.667		0.068	0.487	0.032	0.809	1.374	0.000	0.074	0.000	0.000	0.000	1.705	0.067	
October 26, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.209	0.000	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.067	
October 26, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.200	
October 26, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 26, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 27, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 27, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 28, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
October 29, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 29, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 30, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
October 31, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 1, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 1, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	9.304	0.000	0.000	0.000	
November 2, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	16.469	0.000	0.000	0.000	
November 2, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.048	0.000	0.000	0.000	
November 2, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 2, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 3, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 3, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 4, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.057	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 5, 2007	16:00	5.963	0.060	0.043	0.000	0.000	0.000	0.000	5.634	0.000	0.000	0.000	2.023	0.000	2.218	0.001	0.000	0.000	8.315	0.000	1.986	0.544	
November 5, 2007	17:00	23.243	0.000	7.674	0.323	0.271	0.192	1.172	2.242	0.000	0.150	0.947	0.000	0.621	0.703	1.257	0.061	3.017	0.000	0.148	0.840	0.629	
November 5, 2007	18:00	6.265	0.000	1.816	0.000	0.000	0.105	0.000	0.009	0.000	0.000	0.001	0.000	0.231	0.000	0.000	0.025	0.000	0.003	0.000	0.820	1.602	
November 5, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.357	
November 5, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	1.215	
November 5, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.053	0.000	0.000	0.000	0.997	
November 5, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.605	
November 5, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.081	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 6, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 6, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 7, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 8, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 8, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 9, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 10, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 10, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 11, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 12, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 13, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 13, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 13, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 13, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 13, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 13, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 13, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 13, 2007	7:00	0.000	0.005	0.000	0.000	0.000	0.000	0.000	1.924	0.000	0.524	0.000	0.000	0.284	2.010	0.000	0.000	0.000	0.010	0.000	0.468	0.000	
November 13, 2007	8:00	11.559	0.000	0.064	0.000	0.000	0.000	0.959	6.807	0.955	0.545	0.167	0.000	1.068	1.401	1.717	0.256	0.000	0.486	0.000	2.738	0.462	
November 13, 2007	9:00	6.315	0.000	2.558	0.000	0.000	0.000	0.573	2.658	0.000	0.090	0.775	0.000	0.174	0.123	0.000	0.070	0.000	0.000	0.000	1.251	1.187	
November 13, 2007	10:00	0.000	0.000	0.055	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.837	
November 13, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.543	
November 13, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.433	
November 13, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.334	
November 13, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.252	
November 13, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.142	
November 13, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.988	
November 13, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.655	
November 13, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.099	
November 13, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 13, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 13, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 13, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 13, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 14, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 15, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 15, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.028	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 16, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.067	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 17, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #109 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 18, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 18, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 19, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 20, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 20, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 21, 2007	12:00	0.000	0.000	0.048	0.000	0.000	0.000	0.000	4.375	0.000	0.000	0.256	0.114	0.457	0.239	0.000	0.099	0.000	0.009	0.000	1.196	0.006	
November 21, 2007	13:00	0.000	0.000	0.029	0.000	0.000	0.000	0.000	3.027	0.000	0.120	0.376	0.000	0.462	0.677	0.000	0.101	0.000	0.000	0.000	0.684	0.000	
November 21, 2007	14:00	0.000	0.000	0.049	0.000	0.000	0.000	0.000	0.033	0.000	0.000	0.485	0.000	0.519	0.125	0.000	0.023	0.000	0.000	0.000	0.835	0.670	
November 21, 2007	15:00	0.731	0.000	0.048	0.000	0.000	0.000	0.000	0.300	0.000	0.000	0.536	0.068	1.303	1.634	0.000	0.179	0.000	0.000	0.000	0.993	1.326	
November 21, 2007	16:00	9.797	0.000	0.021	0.000	0.000	0.000	2.020	6.599	1.743	0.492	0.568	0.000	1.202	4.030	0.031	0.063	0.000	0.309	0.000	1.325	2.020	
November 21, 2007	17:00	3.449	0.000	0.250	0.000	0.000	0.000	0.000	0.005	0.000	0.000	0.253	0.000	0.154	0.000	0.000	0.000	0.000	0.000	0.000	0.028	1.264	
November 21, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.189	
November 21, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.186	
November 21, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.071	
November 21, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.873	
November 21, 2007	22:00	10.862	0.000	0.051	0.000	0.000	0.000	1.343	6.796	3.105	0.270	0.085	0.000	1.395	4.568	0.259	0.061	0.924	3.805	0.000	1.455	2.216	
November 21, 2007	23:00	17.345	0.000	8.280	0.000	0.000	0.000	1.068	2.327	0.000	0.073	0.686	0.000	0.481	0.265	0.219	0.162	3.778	0.000	0.000	1.012	1.406	
November 22, 2007	0:00	2.649	0.000	1.041	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.099	0.000	0.191	0.000	0.000	0.000	0.000	0.000	0.000	0.533	1.146	
November 22, 2007	1:00	0.052	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.224	0.000	0.065	0.000	0.000	0.000	0.000	0.000	0.000	0.506	1.190	
November 22, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.921	
November 22, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.783	
November 22, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.614	
November 22, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.276	
November 22, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 22, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 22, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 23, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 24, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 25, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 25, 2007	16:00	0.000	0.000	0.023	0.000	0.000	0.000	0.000	0.014	0.000	0.000	0.018	0.000	0.214	0.000	0.000	0.000	0.000	0.000	0.000	0.509	0.000	
November 25, 2007	17:00	2.431	0.000	0.042	0.000	0.000	0.000	0.000	2.729	0.000	0.022	0.682	0.000	0.927	1.081	0.000	0.052	0.000	0.448	0.000	1.314	0.188	
November 25, 2007	18:00	18.401	0.000	7.928	0.000	0.000	0.000	5.093	9.655	1.638	0.250	1.005	0.271	1.511	4.367	0.000	0.123	2.222	2.153	0.000	1.374	1.548	
November 25, 2007	19:00	2.894	0.000	5.144	0.000	0.000	0.000	0.010	0.020	0.000	0.000	0.279	0.000	0.238	0.000	0.000	0.000	0.706	0.004	0.000	0.335	1.284	
November 25, 2007	20:00	0.000	0.000	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.020	1.199	
November 25, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.003	0.964	
November 25, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.636	
November 25, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.158	
November 26, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	
November 26, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	
November 26, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	
November 26, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.196	0.000	
November 26, 2007	4:00	1.991	0.000	0.005	0.000	0.000	0.000	0.759	5.069	0.000	0.330	0.484	0.000	1.069	2.348	0.000	0.200	0.000	0.898	0.000	1.989	0.214	
November 26, 2007	5:00	15.975	0.000	3.797	0.000	0.000	0.000	2.999	7.196	0.000	0.178	0.264	0.000	0.859	2.525	0.000	0.774	0.000	1.063	0.000	1.994	1.163	
November 26, 2007	6:00	16.147	0.000	10.507	0.000	0.000	0.000	2.330	3.983	0.000	0.104	0.797	0.000	0.960	1.145	0.000	0.402	5.238	0.241	0.000	1.391	1.794	
November 26, 2007	7:00	1.164	0.000	1.548	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.295	0.000	0.224	0.000	0.000	0.000	0.252	0.000	0.000	0.345	1.253	
November 26, 2007	8:00	1.477	0.000	0.023	0.000	0.000	0.000	0.052	3.546	0.000	0.036	0.568	0.000	0.944	1.696	0.000	0.240	0.001	0.280	0.000	0.923	1.905	
November 26, 2007	9:00	2.794	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.325	0.000	0.141	0.000	0.000	0.000	0.064	0.011	0.000	0.345	1.261	
November 26, 2007	10:00	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.225	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.470	1.188	
November 26, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.140	1.147	
November 26, 2007	12:00	0.000	0.000	0.015	0.000	0.000	0.000	0.000	0.005	2.487	0.000	0.000	0.000	0.790	0.810	0.000	0.007	0.000	1.972	0.000	0.729	1.445	
November 26, 2007	13:00	15.243	0.015	1.698	0.720	0.650	0.000	2.868	8.392	8.849	0.994	0.999	1.018	1.581	5.379	3.032	0.281	2.061	0.892	0.000	2.986	2.126	
November 26, 2007	14:00	11.567	0.039	8.857	0.545	0.597	0.000	5.494	9.973	6.213	0.615	0.000	0.276	1.655	5.530	3.984	0.298	3.619	0.873	0.000	2.185	1.633	
November 26, 2007	15:00	1.453	0.000	2.514	0.004	0.012	0.000	0.062	0.127	0.000	0.000	1.353	0.000	0.420	0.028	0.582	0.066	0.310	0.000	0.000	0.835	1.285	
November 26, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.585	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.202	1.120	
November 26, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.021	0.000	0.000	0.200	2.785	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.146	0.980	
November 26, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.084	5.143	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.117	0.940	
November 26, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.077	6.675	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.091	0.791	
November 26, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	7.247	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.095	0.640	
November 26, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.277	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.083	0.224	
November 26, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.984	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.054	0.000	
November 26, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.574	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.059	0.000	
November 27, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.086	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.000	
November 27, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.000	
November 27, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.000	
November 27, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	
November 27, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	
November 27, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	
November 27, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	
November 27, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.000	
November 27, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	
November 27, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	
November 27, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	
November 27, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	
November 27, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.000	
November 27, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	
November 27, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	

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Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 27, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	
November 27, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	
November 27, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	
November 27, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.000	
November 27, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.000	
November 27, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000	
November 27, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.000	
November 27, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.000	
November 27, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.000	
November 28, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.044	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.000	
November 28, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	
November 28, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	
November 28, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.000	
November 28, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.000	
November 28, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.026	0.000	
November 28, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.000	
November 28, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	
November 28, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.000	
November 28, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	
November 28, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	
November 28, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.000	
November 28, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	
November 28, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 28, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 28, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 28, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 28, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 28, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 28, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 28, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 28, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	
November 28, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	
November 28, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	
November 29, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	
November 29, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 29, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

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Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
November 30, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
November 30, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 1, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	8:00	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.166	0.000	0.000	0.021	0.000	0.000	0.000	0.881	0.000	
December 2, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.874	0.000	0.097	0.000	0.000	0.006	0.000	0.000	0.000	0.968	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #198 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 2, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.184	0.000	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.607	0.000	
December 2, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	
December 2, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	
December 2, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 2, 2007	16:00	14.516	0.262	6.950	1.100	1.848	0.000	9.125	21.612	10.859	1.820	0.105	1.647	3.135	9.357	5.375	0.102	4.323	9.122	0.318	4.587	2.483	
December 2, 2007	17:00	41.997	0.145	42.185	1.860	1.900	0.000	11.717	24.163	21.704	1.795	0.679	1.302	2.436	9.873	7.730	0.000	19.211	9.474	0.621	3.012	6.220	
December 2, 2007	18:00	31.050	0.000	39.697	0.438	0.664	0.000	6.418	10.591	2.338	0.126	0.568	0.019	1.811	4.787	2.532	0.314	14.466	1.119	0.000	2.865	4.420	
December 2, 2007	19:00	22.255	0.000	25.190	0.020	0.277	0.000	3.342	6.304	0.000	0.298	0.535	0.000	0.790	2.512	0.365	0.390	8.451	1.037	0.000	1.881	2.978	
December 2, 2007	20:00	4.125	0.000	7.829	0.000	0.000	0.000	0.032	0.040	0.000	0.000	1.115	3.910	0.479	0.000	0.000	0.000	2.316	0.000	0.000	0.158	1.694	
December 2, 2007	21:00	0.001	0.000	0.038	0.000	0.000	0.000	0.000	0.000	0.024	0.000	0.326	4.205	0.016	0.000	0.000	0.000	0.008	0.000	0.000	0.000	1.324	
December 2, 2007	22:00	0.015	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.000	0.000	0.010	4.589	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.247	
December 2, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.358	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.082	
December 3, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.073	0.000	0.000	0.000	4.079	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.912	
December 3, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.220	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	
December 3, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.158	0.000	0.000	5.473	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.255	
December 3, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.919	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.566	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.442	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 3, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 4, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 4, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.078	
December 5, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	
December 5, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.066	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 5, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.052	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 6, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.778	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 7, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 7, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.207	0.000	
December 7, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.473	0.000	0.637	0.000	0.000	0.030	0.000	0.000	0.000	1.658	0.000	
December 7, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.860	0.000	0.860	0.023	0.000	0.000	0.000	0.000	0.000	1.430	0.030	
December 8, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.035	0.000	0.453	0.003	0.000	0.000	0.000	0.000	0.000	1.250	0.539	
December 8, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.196	0.000	0.000	1.198	0.000	0.746	0.289	0.000	0.111	0.000	0.000	0.000	1.622	1.110	
December 8, 2007	2:00	0.703	0.000	0.000	0.000	0.000	0.000	0.000	0.735	0.000	0.000	0.700	0.000	0.685	0.351	0.000	0.102	0.000	0.000	0.000	1.647	1.382	
December 8, 2007	3:00	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.369	0.000	0.093	0.000	0.000	0.000	0.000	0.000	0.000	0.244	1.262	
December 8, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.063	
December 8, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.641	
December 8, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.087	
December 8, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	18:00	0.000	0.000	0.025	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.320	0.000	0.119	0.000	0.000	0.032	0.000	0.000	0.000	1.549	0.009	
December 8, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.218	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.065	0.000	
December 8, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 8, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.000	
December 9, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 9, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 9, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 9, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 9, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 9, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 9, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 9, 2007	7:00	0.076	0.000	0.045	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.136	
December 9, 2007	8:00	176.388	0.529	104.103	0.000	0.000	0.000	18.932	50.008	16.032	0.360	1.169	5.647	1.989	7.825	1.993	0.293	46.120	34.281	0.169	0.808	23.202	
December 9, 2007	9:00	57.164	0.001	86.913	0.000	0.000	0.000	5.083	7.775	0.035	0.263	0.034	0.000	0.690	1.087	1.223	0.030	31.399	0.358	0.193	0.038	9.974	
December 9, 2007	10:00	3.539	0.000	23.595	0.000	0.000	0.000	0.079	0.272	0.000	0.000	0.740	0.000	0.097	0.000	0.000	0.000	4.228	0.015	0.000	0.000	2.234	
December 9, 2007	11:00	7.685	0.000	1.288	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.436	0.000	0.000	0.000	0.000	0.000	0.399	0.000	0.000	0.000	1.366	
December 9, 2007	12:00	2.646	0.000	0.017	0.000	0.000	0.000	0.000	0.017	1.910	0.000	0.146	0.004	0.242	2.546	0.000	0.000	0.117	0.003	0.000	0.533	1.816	
December 9, 2007	13:00	49.457	0.728	26.679	0.364	0.313	0.000	19.727	37.976	10.741	2.935	0.035	5.090	3.141	9.713	3.323	0.287	2.547	21.106	0.440	4.333	18.287	
December 9, 2007	14:00	88.364	0.453	100.780	0.825	1.190	0.000	18.366	33.643	16.421	1.415	0.000	3.266	2.080	7.095	5.992	0.052	30.542	12.298	0.052	3.691	32.957	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 9, 2007	15:00	19.470	0.000	48.102	0.035	0.116	0.000	1.893	2.275	0.413	0.050	0.120	4.855	0.890	0.355	1.101	0.130	10.877	0.000	0.319	0.568	5.412	
December 9, 2007	16:00	3.168	0.000	10.159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.250	5.895	0.105	0.000	0.000	0.000	1.841	0.000	0.000	0.000	2.420	
December 9, 2007	17:00	0.753	0.000	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.508	6.091	0.000	0.000	0.000	0.000	0.099	0.000	0.000	0.000	1.726	
December 9, 2007	18:00	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.742	6.073	0.000	0.000	0.000	0.000	0.128	0.000	0.000	0.000	1.380	
December 9, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.975	0.000	0.000	0.190	5.435	0.571	0.591	0.000	0.179	0.141	0.000	0.000	1.691	1.710	
December 9, 2007	20:00	4.532	0.000	0.000	0.086	0.087	0.000	2.943	5.618	1.421	0.423	0.096	2.656	1.416	3.624	0.735	0.164	0.135	0.000	0.000	3.025	2.190	
December 9, 2007	21:00	7.118	0.000	0.538	0.006	0.043	0.000	0.358	0.308	0.000	0.000	0.196	0.413	0.466	0.055	0.283	0.057	0.092	0.000	0.000	0.450	1.677	
December 9, 2007	22:00	1.120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.406	1.988	0.495	0.000	0.000	0.000	0.026	0.000	0.000	0.003	1.427	
December 9, 2007	23:00	0.078	0.000	0.000	0.000	0.000	0.000	0.000	0.422	0.000	0.003	0.236	1.064	0.875	0.950	0.000	0.370	0.051	0.000	0.000	1.865	2.055	
December 10, 2007	0:00	4.407	0.000	0.000	0.000	0.000	0.000	0.005	0.895	0.000	0.162	0.292	0.000	0.728	0.476	0.000	0.234	0.022	0.000	0.000	1.428	1.869	
December 10, 2007	1:00	0.933	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.901	1.688	0.099	0.000	0.000	0.000	0.000	0.000	0.000	0.005	1.493	
December 10, 2007	2:00	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.721	0.703	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.265	
December 10, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.773	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.120	
December 10, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.456	0.533	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.001	
December 10, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.562	0.599	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.892	
December 10, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.000	0.000	0.617	0.527	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.596	
December 10, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.493	0.262	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.060	
December 10, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.503	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 10, 2007	9:00	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.353	0.000	0.298	0.000	0.000	0.000	0.000	0.000	0.000	0.261	0.021	
December 10, 2007	10:00	2.069	0.000	0.068	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.249	0.000	0.633	0.004	0.000	0.004	0.000	0.000	0.000	0.891	0.335	
December 10, 2007	11:00	0.012	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.725	0.000	0.866	0.000	0.000	0.000	0.000	0.000	0.000	0.462	0.839	
December 10, 2007	12:00	0.085	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	0.000	0.471	0.000	0.000	0.000	0.000	0.000	0.000	0.468	0.957	
December 10, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.348	0.000	0.484	0.000	0.000	0.000	0.000	0.000	0.000	0.186	1.090	
December 10, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.681	0.000	0.141	0.000	0.000	0.000	0.000	0.000	0.000	0.010	1.032	
December 10, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.462	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.831	
December 10, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.428	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.498	
December 10, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.642	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	
December 10, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.378	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 10, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.458	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 10, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.395	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 10, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.339	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 10, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.306	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 10, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.210	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.114	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	
December 11, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.192	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.255	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.069	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.092	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.063	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.038	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 11, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 12, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.043	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	0.060	0.201	0.000	0.183	0.420	0.000	0.231	0.000	0.022	0.000	1.122	0.156	
December 12, 2007	4:00	2.292	0.000	0.000	0.000	0.000	0.000	0.000	0.923	0.000	0.002	0.332	0.000	0.896	0.678	0.000	0.492	0.000	0.000	0.000	2.107	0.095	
December 12, 2007	5:00	7.642	0.000	0.000	0.000	0.000	0.000	0.775	4.116	0.000	0.000	0.347	0.000	1.108	1.535	0.000	0.387	0.000	0.000	0.000	1.825	1.082	
December 12, 2007	6:00	1.413	0.000	0.000	0.000	0.000	0.000	0.005	0.201	0.000	0.000	0.402	0.000	0.635	0.070	0.000	0.008	0.000	0.000	0.000	0.554	1.242	
December 12, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.299	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.206	
December 12, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.167	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.072	
December 12, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.840	
December 12, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.292	
December 12, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 12, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 13, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 13, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 13, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.473	0.000	
December 13, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.353	0.000	0.000	0.222	0.000	0.784	0.765	0.000	0.349	0.000	0.002	0.000	2.573	0.070	
December 13, 2007	4:00	14.400	0.036	1.243	0.000	0.000	0.064	4.980	11.826	0.000	0.200	0.053	0.499	1.203	4.914	0.000	0.318	0.059	1.817	0.000	2.522	1.928	
December 13, 2007	5:00	40.234	0.215	22.336	3.446	0.868	4.009	13.470	24.041	10.277	0.572	0.000	1.763	4.318	11.114	3.285	0.000	7.557	5.836	1.156	5.123	4.508	
December 13, 2007	6:00	58.143	0.108	39.674	0.977	0.716	3.326	11.758	18.081	7.569	0.946	0.000	1.559	1.673	7.369	4.680	0.028	13.592	4.530	0.815	3.075	5.396	
December 13, 2007	7:00	36.604	0.033	31.534	0.564	0.400	2.332	7.215	10.326	4.683	0.305	0.000	2.427	1.587	5.606	2.664	0.217	9.214	1.382	0.071	2.557	4.786	
December 13, 2007	8:00	18.735	0.000	20.031	0.655	0.472	1.982	4.378	6.812	3.305	0.289	0.000	3.294	1.627	4.157	2.172	0.176	5.881	0.443	0.000	2.550	4.317	
December 13, 2007	9:00	7.591	0.000	9.635	0.392	0.249	1.207	1.274	2.237	2.089	0.114	0.198	4.237	1.082	1.192	1.248	0.667	1.639	0.000	0.000	1.325	2.936	
December 13, 2007	10:00	0.364	0.000	1.032	0.122	0.189	0.501	0.000	0.158	0.321	0.000	0.142	4.803	0.978	0.081	0.242	0.123	0.122	0.000	0.000	0.480	2.005	
December 13, 2007	11:00	0.000	0.000	0.000	0.011	0.050	0.027	0.000	0.000	0.000	0.000	0.375	4.401	0.356	0.000	0.000	0.000	0.069	0.000	0.000	0.006	1.279	
December 13, 2007	12:00	0.000	0.000	0.000	0.001	0.017	0.000	0.000	0.017	0.000	0.000	0.624	4.166	0.195	0.000	0.000	0.000	0.035	0.000	0.000	0.000	1.288	
December 13, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.822	4.321	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.005	
December 13, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.498	4.494	0.018	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.625	
December 13, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.573	0.937	0.000	0.825	4.388	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.342	
December 13, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.624	4.375	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040	
December 13, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.296	0.000	0.250	5.143	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 13, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.258	0.000	0.302	5.869	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 13, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.015	0.016	0.000	0.315	6.786	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 13, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.260	6.685	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 13, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.275	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 13, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.363	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 13, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.430	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.337	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.356	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.283	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.000	0.000	0.272	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.265	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.296	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.232	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.428	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.298	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.052	
December 14, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.290	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.481	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #109 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 14, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.266	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.699	
December 14, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.181	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.820	
December 14, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.247	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.752	
December 14, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.238	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.557	
December 14, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.266	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.247	
December 14, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.259	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	
December 14, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.178	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.148	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.119	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.093	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.141	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.094	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.128	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 14, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.169	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 15, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 15, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 15, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 15, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 15, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 15, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 15, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 15, 2007	7:00	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.150	0.000	0.261	0.000	0.000	0.011	0.000	0.000	0.009	0.628	0.000	
December 15, 2007	8:00	3.193	0.059	0.115	1.300	0.287	2.887	5.697	11.561	6.842	0.658	0.572	1.991	3.620	8.801	0.921	0.011	0.000	4.233	1.978	4.629	1.447	
December 15, 2007	9:00	65.029	1.364	43.659	2.257	1.868	5.258	17.852	39.699	13.939	1.331	0.048	7.080	2.848	11.980	4.778	0.000	11.697	20.428	8.235	5.246	10.522	
December 15, 2007	10:00	85.063	1.650	93.891	1.412	0.625	7.470	22.939	42.679	20.354	5.586	0.295	6.269	6.552	14.329	13.241	0.000	19.695	20.024	26.934	2.961	20.929	
December 15, 2007	11:00	73.193	1.348	92.430	3.974	4.114	7.483	23.124	39.358	79.360	0.842	0.400	3.599	8.414	17.095	18.830	0.000	35.429	19.585	31.277	3.811	0.000	
December 15, 2007	12:00	66.092	1.352	95.867	5.410	8.976	11.029	20.035	31.565	43.046	2.097	0.000	2.613	6.770	10.470	14.576	0.000	45.111	11.134	31.016	1.412	7.106	
December 15, 2007	13:00	48.799	2.356	64.366	3.136	3.429	8.340	12.010	16.553	66.010	5.191	0.083	3.052	2.451	8.657	8.945	0.000	30.381	1.411	20.262	2.409	39.963	
December 15, 2007	14:00	36.724	2.940	38.756	0.655	1.738	6.232	9.166	15.826	43.022	10.138	0.000	2.943	3.087	8.328	14.767	0.000	17.641	3.265	18.106	1.760	39.548	
December 15, 2007	15:00	51.764	3.608	44.392	0.641	1.393	6.441	11.801	20.441	45.738	16.245	0.000	2.758	2.498	8.381	9.168	0.000	18.390	6.605	18.603	1.704	13.258	
December 15, 2007	16:00	35.284	4.204	35.330	0.416	1.078	5.165	6.850	10.216	14.578	9.477	0.000	1.555	1.957	4.176	13.035	0.017	15.570	0.310	8.187	1.930	14.776	
December 15, 2007	17:00	11.429	3.042	11.203	0.353	1.029	4.154	1.732	3.582	5.120	5.410	0.079	0.843	1.568	1.616	10.285	0.247	5.059	0.000	7.358	1.020	9.367	
December 15, 2007	18:00	3.041	1.192	0.817	0.457	1.550	2.477	0.000	1.502	3.144	7.936	0.331	0.887	1.065	1.184	8.711	0.645	1.898	0.000	4.898	0.640	3.553	
December 15, 2007	19:00	0.716	0.798	0.000	0.974	1.410	1.807	0.000	1.055	0.000	1.824	0.403	0.959	1.103	0.670	6.656	0.667	0.239	0.000	4.875	0.532	2.842	
December 15, 2007	20:00	0.001	0.924	0.000	0.755	0.685	0.941	0.000	0.659	0.000	1.680	0.314	2.270	0.919	0.079	5.386	0.342	0.054	0.000	1.815	0.090	1.994	
December 15, 2007	21:00	0.000	0.052	0.000	0.743	0.635	0.444	0.000	0.255	0.000	0.827	0.137	3.160	0.563	0.000	3.287	0.226	0.124	0.000	1.975	0.014	1.342	
December 15, 2007	22:00	0.000	0.019	0.071	0.748	0.624	0.316	0.000	0.158	0.000	1.088	0.062	3.230	0.516	0.000	3.163	0.230	0.138	0.000	1.527	0.224	1.233	
December 15, 2007	23:00	0.027	0.309	0.000	0.691	0.614	0.730	0.000	0.286	3.492	1.957	0.198	2.958	0.759	0.373	8.278	0.614	0.070	0.000	2.210	1.004	1.375	
December 16, 2007	0:00	7.031	0.642	0.000	0.726	0.537	0.905	0.000	1.524	1.314	2.667	0.344	3.193	1.024	0.707	9.420	0.600	0.115	0.000	2.602	0.894	1.569	
December 16, 2007	1:00	7.924	0.313	0.000	0.567	0.462	0.544	0.000	0.002	0.000	0.535	0.507	3.065	0.872	0.000	4.329	0.083	0.137	0.000	1.904	0.540	1.502	
December 16, 2007	2:00	0.129	0.045	0.000	0.555	0.361	0.248	0.000	0.000	0.000	1.011	0.943	3.457	0.732	0.000	4.009	0.001	0.129	0.000	1.832	0.720	1.136	
December 16, 2007	3:00	0.156	0.010	0.000	0.332	0.312	0.100	0.000	0.000	0.414	0.000	0.289	3.535	0.987	0.000	2.853	0.000	0.116	0.000	2.050	0.250	0.322	
December 16, 2007	4:00	0.293	0.010	0.000	0.254	0.261	0.197	0.000	0.000	0.000	0.000	0.244	3.323	0.369	0.000	0.730	0.000	0.088	0.000	1.965	0.104	0.005	
December 16, 2007	5:00	0.344	0.033	0.000	0.214	0.189	0.010	0.000	0.000	1.156	0.000	0.102	3.800	0.325	0.000	1.078	0.000	0.031	0.000	1.569	0.083	0.000	
December 16, 2007	6:00	0.779	0.002	0.000	0.184	0.166	0.000	0.000	0.000	0.000	0.000	0.278	4.052	0.616	0.000	0.999	0.000	0.008	0.000	2.263	0.059	0.000	
December 16, 2007	7:00	0.092	0.004	0.000	0.147	0.113	0.000	0.000	0.017	0.000	0.007	0.351	3.539	0.268	0.000	0.401	0.000	0.005	0.000	3.806	0.023	0.000	
December 16, 2007	8:00	0.224	0.004	0.000	0.119	0.116	0.000	0.000	0.040	0.000	0.000	0.151	4.157	0.375	0.000	0.243	0.000	0.001	0.000	2.968	0.006	0.000	
December 16, 2007	9:00	0.000	0.016	0.000	0.100	0.102	0.000	0.000	0.013	0.000	0.000	0.281	4.039	0.402	0.000	0.013	0.000	0.000	0.000	3.311	0.001	0.000	
December 16, 2007	10:00	0.232	0.007	0.000	0.095	0.067	0.000	0.000	0.000	0.000	0.000	0.342	4.486	0.219	0.000	0.000	0.000	0.000	0.000	3.277	0.000	0.000	
December 16, 2007	11:00	0.000	0.002	0.000	0.082	0.063	0.000	0.000	0.000	0.000	0.000	0.240	4.751	0.380	0.000	0.000	0.000	0.000	0.000	3.791	0.000	0.000	
December 16, 2007	12:00	0.000	0.004	0.000	0.043	0.061	0.000	0.000	0.000	0.000	0.000	0.252	5.060	0.389	0.000	0.000	0.000	0.000	0.000	2.790	0.000	0.000	
December 16, 2007	13:00	0.000	0.007	0.000	0.043	0.050	0.000	0.000	0.000	0.075	0.000	0.262	5.945	0.302	0.000	0.000	0.000	0.000	0.000	3.339	0.000	0.000	
December 16, 2007	14:00	0.000	0.007	0.000	0.022	0.027	0.000	0.000	0.000	0.009	0.000	0.322	6.981	0.275	0.000	0.000	0.000	0.000	0.000	2.898	0.000	0.000	
December 16, 2007	15:00	0.000	0.009	0.000	0.021	0.028	0.000	0.000	0.000	0.000	0.000	0.479	3.761	0.353	0.000	0.000	0.000	0.000	0.000	9.226	0.000	0.000	
December 16, 2007	16:00	1.629	0.009	0.000	0.009	0.015	0.000	0.000	0.000	0.000	0.000	0.345	1.202	0.408	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 16, 2007	17:00	1.017	0.041	0.000	0.010	0.017	0.000	0.000	0.000	0.000	0.000	0.543	1.028	0.267	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 16, 2007	18:00	0.710	0.050	0.000	0.044	0.005	0.000	0.000	0.000	0.000	0.000	0.253	0.739	0.214	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 16, 2007	19:00	1.176	0.000	0.000	0.005	0.007	0.000	0.000	0.000	0.000	0.000	0.604	0.000	0.053	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 16, 2007	20:00	1.169	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.472	0.000	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 16, 2007	21:00	0.488	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.942	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 16, 2007	22:00	0.408	0.000	0.000	0.000	0.002	0.000	0.000	0.033	0.000	0.000	0.790	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 16, 2007	23:00	0.657	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.854	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	0:00	1.212	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.806	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	1:00	0.424	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.809	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.565	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.667	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	4:00	0.273	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.561	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.910	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.540	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	7:00	2.879	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.872	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	8:00	1.274	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.861	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	9:00	2.196	0.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.612	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	10:00	4.195	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.540	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.195	0.000	0.000	
December 17, 2007	11:00	0.888	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.528	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	12:00	1.187	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.616	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	13:00	0.920	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.378	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	14:00	1.579	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	15:00	2.522	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	16:00	3.417	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	17:00	10.714	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	18:00	10.473	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	19:00	13.391	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	20:00	10.164	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	21:00	6.378	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	22:00	4.512	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 17, 2007	23:00	11.849	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	0:00	2.750	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	1:00	2.046	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	2:00	1.596	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	3:00	0.624	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	4:00	0.803	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	5:00	1.071	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	6:00	0.840	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	7:00	0.125	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.496	0.000	0.000	
December 18, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	12:00	0.064	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	13:00	1.231	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	17:00	0.480	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	18:00	0.043	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	20:00	0.083	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	21:00	0.074	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	22:00	0.048	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 18, 2007	23:00	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	0:00	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 19, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.385	0.000	0.000	
December 19, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.150	0.000	0.000	
December 19, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.053	0.000	0.000	
December 19, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.137	0.000	0.000	
December 19, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 19, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 20, 2007	18:00	0.000	0.000	0.130	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.044	0.000	0.248	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.127	0.000
December 20, 2007	19:00	0.665	0.000	0.037	0.000	0.000	0.078	0.000	0.034	0.000	0.036	0.127	0.000	0.841	0.456	0.000	0.125	0.000	0.000	0.000	0.000	2.841	0.058
December 20, 2007	20:00	6.163	0.000	0.042	0.000	0.000	0.894	1.602	4.668	0.000	0.544	0.146	0.000	1.185	2.724	0.000	0.446	0.000	0.647	0.000	0.000	3.050	1.307
December 20, 2007	21:00	25.506	0.000	8.796	0.014	0.005	2.070	7.734	13.022	1.470	0.647	0.118	0.000	1.729	7.414	1.101	0.049	1.523	2.076	0.000	2.844	2.849	
December 20, 2007	22:00	31.763	0.000	20.844	0.290	0.057	2.298	8.519	13.861	3.142	0.530	0.000	0.000	1.304	5.685	2.773	0.160	4.258	2.127	0.000	3.966	3.386	
December 20, 2007	23:00	20.929	0.000	16.504	0.096	0.007	0.786	2.327	3.487	0.237	0.153	0.060	0.000	1.295	1.179	1.080	0.306	2.820	0.179	0.000	2.472	2.115	
December 21, 2007	0:00	0.706	0.000	2.169	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.022	0.000	0.086	0.000	0.000	0.000	0.027	0.000	0.000	0.467	1.337	
December 21, 2007	1:00	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.185	0.000	0.000	0.084	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.812	1.189	
December 21, 2007	2:00	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.069	0.000	0.102	0.000	0.000	0.001	0.000	0.000	0.000	0.837	1.111	
December 21, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.040	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.333	0.967	
December 21, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.102	0.493	
December 21, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.015	
December 21, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	
December 21, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.029	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	
December 21, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 21, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 21, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 21, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 21, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 21, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 21, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 21, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 21, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 21, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 21, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 21, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 21, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 21, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 21, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 21, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.126	
December 22, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.180	
December 22, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.223	
December 22, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.207	
December 22, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.051	
December 22, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 22, 2007	23:00	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.016	0.000	0.000	0.077	0.000	0.261	0.213	0.000	0.220	0.000	0.000	0.000	0.486	0.254	
December 23, 2007	0:00	7.734	0.000	0.000	0.000	0.000	0.806	2.137	6.578	0.852	0.405	0.076	0.000	1.613	4.426	0.000	0.472	0.000	0.165	0.000	1.724	0.368	
December 23, 2007	1:00	19.326	0.000	3.127	0.000	0.000	1.019	4.931	7.435	0.275	0.297	0.163	0.000	1.274	3.851	0.555	0.636	0.000	0.642	0.000	2.601	1.381	
December 23, 2007	2:00	6.690	0.000	4.707	0.000	0.000	0.049	0.006	0.026	0.000	0.000	0.253	0.000	0.694	0.000	0.000	0.000	0.003	0.000	0.000	0.929	1.628	
December 23, 2007	3:00	1.544	0.000	0.182	0.000	0.000	0.069	0.000	0.049	0.000	0.000	0.328	0.000	0.619	0.081	0.000	0.157	0.000	0.000	0.000	1.350	1.573	
December 23, 2007	4:00	0.423	0.000	0.000	0.000	0.000	0.032	0.000	0.058	0.000	0.000	0.048	0.000	0.507	0.004	0.000	0.011	0.000	0.000	0.000	0.617	1.255	
December 23, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.026	0.000	0.004	0.000	0.000	0.060	0.000	0.426	0.000	0.000	0.006	0.000	0.000	0.000	1.139	1.255	
December 23, 2007	6:00	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.172	1.060	
December 23, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.066	1.038	
December 23, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.056	0.713	
December 23, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.053	0.216	
December 23, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.069	0.000	
December 23, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.057	0.000	
December 23, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.052	0.000	
December 23, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.051	0.000	
December 23, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049	0.000	
December 23, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.045	0.000	
December 23, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.050	0.000	
December 23, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.000	
December 23, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.000	
December 23, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.000	
December 23, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.044	0.000	
December 23, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.049	0.000	
December 23, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.046	0.000	
December 23, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 24, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.048	0.000	
December 24, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.043	0.000	
December 24, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.000	
December 24, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.000	
December 24, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.032	0.000	
December 24, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.017	0.000	
December 24, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.027	0.000	
December 24, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.000	
December 24, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	
December 24, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030	0.000	
December 24, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.039	0.000	
December 24, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.047	0.000	
December 24, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.000	
December 24, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.038	0.000	
December 24, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.042	0.000	
December 24, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.041	0.000	
December 24, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.031	0.000	
December 24, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.033	0.000	
December 24, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.036	0.000	
December 24, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.023	0.000	
December 24, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.000	
December 24, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020	0.000	
December 24, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019	0.000	
December 24, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.016	0.000	
December 25, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	
December 25, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 25, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	
December 25, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	
December 25, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	
December 25, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 25, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 25, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	
December 25, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	
December 25, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 25, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	
December 25, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	
December 25, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018	0.000	
December 25, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	
December 25, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	
December 25, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	
December 25, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	
December 25, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 25, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022	0.000	
December 25, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	
December 25, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	
December 25, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	
December 25, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 25, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.010	0.000	
December 26, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 26, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 26, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 26, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 26, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 26, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 26, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 26, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 26, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 26, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 26, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 26, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	
December 26, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	
December 26, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.000	
December 26, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	
December 26, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	
December 26, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	
December 26, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 26, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.025	0.000	
December 26, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.011	0.028	
December 26, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.118	
December 26, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.154	
December 26, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.218	
December 26, 2007	23:00	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.053	0.263	
December 27, 2007	0:00	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.556	0.375	
December 27, 2007	1:00	0.000	0.000	0.011	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.149	0.436	
December 27, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.093	0.341	
December 27, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.037	0.055	
December 27, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	
December 27, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 27, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	
December 27, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 27, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	
December 27, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	
December 27, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	
December 27, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 27, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 27, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 27, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 27, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 27, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 27, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 27, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 27, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 27, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 27, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 27, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	
December 27, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 28, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 28, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 28, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 28, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 28, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 28, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 28, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 28, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 28, 2007	8:00	0.000	0.000	0.022	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.206	0.189	0.000	0.000	0.000	0.000	0.000	0.370	0.050	
December 28, 2007	9:00	6.930	0.000	0.023	0.000	0.000	0.000	2.795	6.825	1.042	0.848	0.000	0.000	1.355	3.955	0.257	0.303	0.000	1.071	0.000	1.537	0.541	
December 28, 2007	10:00	2.874	0.000	0.000	0.000	0.000	0.000	0.237	8.582	0.000	0.000	0.262	0.000	0.430	0.009	0.000	0.001	0.000	0.000	0.000	0.916	0.962	
December 28, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.045	0.000	0.388	0.000	0.000	0.101	0.000	0.403	0.357	0.000	0.065	0.000	0.000	0.000	0.915	1.273	
December 28, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.220	0.000	1.335	0.000	0.000	0.288	0.000	0.918	0.598	0.000	0.033	0.000	0.000	0.000	1.691	1.513	
December 28, 2007	13:00	0.245	0.000	0.000	0.000	0.000	0.018	0.000	1.049	0.000	0.000	0.122	0.000	0.472	0.000	0.000	0.000	0.000	0.011	0.000	0.762	1.363	
December 28, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.145	0.774	
December 28, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.207	0.401	
December 28, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.410	0.069	
December 28, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.091	0.000	
December 28, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.007	0.000	
December 28, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 28, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	
December 28, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.006	0.000	
December 28, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	
December 28, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	
December 29, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	
December 29, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 29, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.003	0.000	
December 29, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 29, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 29, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 29, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 29, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 29, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 29, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 29, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 29, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 29, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 29, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 29, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 29, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 29, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 29, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 29, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002	0.000	
December 29, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 29, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 29, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 29, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 29, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 30, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 30, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 30, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 30, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 30, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 30, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 30, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 30, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 30, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 30, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 30, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	
December 31, 2007	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 31, 2007	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 31, 2007	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 31, 2007	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 31, 2007	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	

Appendix D
Louisville MSD Flow Monitoring Data
October 1, 2007 thorugh December 31, 2007

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #105 Flow	CSO #108 Flow	CSO #108 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #125 Flow	CSO #127 Flow	CSO #132 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #166 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #210 Flow	CSO #211 Flow
December 31, 2007	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 31, 2007	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 31, 2007	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 31, 2007	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 31, 2007	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 31, 2007	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
December 31, 2007	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 31, 2007	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 31, 2007	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 31, 2007	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 31, 2007	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 31, 2007	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 31, 2007	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	
December 31, 2007	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 31, 2007	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.005	0.000	
December 31, 2007	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000	
December 31, 2007	21:00	0.000	0.000	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.089	0.000	0.000	0.000	0.000	0.000	0.000	0.444	0.003	
December 31, 2007	22:00	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.013	0.000	0.101	0.000	0.000	0.000	0.000	0.000	0.000	0.419	0.000	
December 31, 2007	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.012	0.000	

Appendix E - Acronyms

Appendix E - Acronyms for Project WIN Quarterly Report

AAM	Advanced Asset Management
AAOV	Annual Average Overflow Volume
CD	Consent Decree
CMOM	Capacity Management Operations and Maintenance
CSO	Combined Sewer Overflow
CSS	Combined Sewer System
CSSA	Continuing Sewer System Assessment
DMR	Discharge Monitoring Report
eB	Enterprise Bridge (Spescom scanning software for document management)
EPA	Environmental Protection Agency
FM	Force Main
FOG	Fats, Oil & Grease
FY	Fiscal Year
GIS	Geographical Information System
I&FP	Infrastructure & Flood Protection (MSD Division)
ICA	Interceptor Condition Assessment
I&I	Inflow and Infiltration
IMS	Information Management System
ISSDP	Interim Sanitary Sewer Discharge Plan
JCPS	Jefferson County Public Schools
KDEP	Kentucky Department of Environmental Protection
KPDES	Kentucky Pollutant Discharge Elimination System
LID	Low Impact Development
LIMS	Laboratory Information Management System
LTC	Long Term Control
MFWTP	Morris Forman Wastewater Treatment Plant
MSD	Metropolitan Sewer District (Louisville and Jefferson County)
NDD	Non Domestic Dischargers
NMC	Nine Minimum Controls
ORSANCO	Ohio River Valley Water Sanitation Commission
PS	Pump Station
PSC	Property Service Connection
RTC	Real Time Control
SIU	Significant Industrial User
SOP	Standard Operating Procedure
SORP	Sewer Overflow Response Protocol
SSDP	Sanitary Sewer Discharge Plan
SSO	Sanitary Sewer Overflow
SWOR2	Southwestern Outfall Relief - Phase 2
TM	Technical Memorandum
TMDL	Total Maximum Daily Load
UIM	Utility Information Management
WIN	Waterway Improvements Now
WQT	Water Quality Tool
WTP	Wastewater Treatment Plant
WWT	Wet Weather Team