

# Louisville and Jefferson County Wet Weather Consent Decree Quarterly Report #15



**Reporting Period:**

April 1, 2009 through June 30, 2009

**Submitted To:**

Kentucky Department of Environmental Protection

United States Environmental Protection Agency

United States Department of Justice

**Submitted By:**

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## INTRODUCTION

The Louisville and Jefferson County Metropolitan Sewer District (MSD) has entered into an Amended Consent Decree with the Kentucky Department of Environmental Protection (KDEP) and the United States Environmental Protection Agency (EPA). The Amended Consent Decree was signed by United States District Judge Simpson on April 10, 2009 and filed in United States District Court, Western Division of Kentucky, Louisville Division, on April 15, 2009.

This is the fifteenth Quarterly Report submitted in accordance with Paragraph 29 of the Amended Consent Decree. This report covers the time period from April 1, 2009 through June 30, 2009. **The structure for this report has been modified in this submittal and the changes are outlined as follows:**



**Section 1: Project WIN Program Activities for Nine Minimum Controls** - This section describes the scope, schedule and status for projects and other activities that were active during the reporting period April 1, 2009, through June 30, 2009 and the anticipated projects and activities that are scheduled to be performed during the next reporting period (July 1, 2009, through September 30, 2009) for continued compliance with the Amended Consent Decree.

**Section 2: Project WIN Program Activities for Sewer Overflow Response Protocol** - This section describes the scope, schedule and status for activities that were active during the reporting period April 1, 2009, through June 30, 2009 and the anticipated activities that are scheduled to be performed during the next reporting period (July 1, 2009, through September 30, 2009) for continued compliance with the Amended Consent Decree.

**Section 3: Project WIN Program Activities for Discharge Abatement Plans** - This section describes the scope, schedule and status for projects and other activities that were active during the reporting period April 1, 2009, through June 30, 2009 and the anticipated projects and activities that are scheduled to be performed during the next reporting period (July 1, 2009, through September 30, 2009) for continued compliance with the Amended Consent Decree.

**Section 4: Project WIN Program Activities for Public Outreach, Education, Notification and Participation** This section describes the activities related to public outreach, education, notification and participation that were active during the reporting period April 1, 2009, through June 30, 2009 and the anticipated activities that are scheduled to be performed during the next reporting period (July 1, 2009, through September 30, 2009) for continued compliance with the Amended Consent Decree.

**Section 5: Capacity Management, Operations and Maintenance Report** - The program activities performed during the reporting period April 1, 2009, through June 30, 2009 and activities planned for the next reporting period (July 1, 2009, through September 30, 2009) are included in this section for continued compliance with the Amended Consent Decree.

**Section 6: Project WIN Program Activities for Water Quality Treatment Centers** - This section describes the scope, schedule and status for projects and other activities related to WQTCs that were active during the reporting period April 1, 2009, through June 30, 2009 and the anticipated projects and activities that are scheduled to be performed during the next reporting period (July 1, 2009, through September 30, 2009) for continued compliance with the Amended Consent Decree.

**Section 7: Project WIN Performance Overview** - This section provides an accounting of the number of overflow occurrences, 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 Combined Sewer Overflow (CSO) locations, identified in the Morris Forman Water Quality Treatment Center (WQTC) Kentucky Pollutant Discharge Elimination System (KPDES) permit, that are expected to result from MSD's projects and activities during the reporting period are also contained in this section.



## SECTION 1: Project WIN Program Activities for Nine Minimum Controls

### 1.1 Nine Minimum Controls Implementation

Per Paragraph 24.a. of the Amended 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](http://www.msdlouky.org/projectwin). Highlights of the NMC program implementation over this reporting period are outlined below.

#### NMC #1: Proper Operation and Maintenance Program

##### Program Metrics

- Inspected and cleaned 4298 catch basins within the combined sewer system (CSS) during this reporting period.
- Continued to inspect, maintain and properly operate the CSS pump stations and the Morris Forman WQTC.
- Performed 1425 weekly inspections on CSOs, 273 creek inspections, and initiated over 166 work orders for debris removal and/or repairs as determined to be necessary to allow proper system operation during this reporting period.
- As part of the gravity sewer preventive maintenance program, MSD cleaned 9 sewer line segments in the CSS, ranging in size from 6 inches to 15 inches, during this reporting period and performed formula TV inspection on 29 lines.
- Developed program performance metrics for operation and maintenance of the CSS.
- Several projects continue to create improved access to some CSO sites to facilitate cleaning activities. Most of these projects are still in the easement acquisition stage.



##### Annual Training

- The annual CSO field training for I&FP and Morris Forman WQTC staff was held on May 29, 2009, and June 12, 2009, and included a description of performance measures, which will be implemented on July 1, 2009.

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Annual Asset Review and Documentation

- Revised the CSO Inventory document based on IOAP comments. The new document has been placed in eB, on the web and will be re-distributed to staff.

NMC #2: Maximization of Storage in the Collection System

Real Time Control Operation

- Continued operation of Phase I and Phase 2 of the Real Time Control system. During this reporting period, approximately 311.80 MG were stored in the system during rain events and routed to the Morris Forman WQTC once the system was able to handle the flow. See **Appendix F** for a detailed report.
- Progress continued on the following RTC projects:

CSoft without Weather Forecasting - The intent of this project is to investigate the feasibility of programming CSoft so that it can continue to function if the weather forecasting feed from OneRain is down and not providing information. A report has been submitted to MSD for review and consideration.

Southeast Diversion Flowmeter Instability Analysis - The Southeast Diversion Structure diverts flow to the Northern Ditch Pump Station, but information needed to control the flow to the pump station site was inaccurate due to instabilities in the flow meters at the diversion structure as well as at the Northern Ditch site. BPR CSO submitted a report on September 17, 2008, that identified the actions needed to correct these instabilities. MSD has completed the review of the document and provided comments to BPR CSO June 30, 2009. BPR CSO will submit modified drawings and specifications in July 2009.

Rain Gauge coverage - BPR investigated the benefit of additional rain gauge coverage in order to enhance the RTC system. A report was submitted to MSD for review and consideration.

Web-Based Training – All the modules have been completed; MSD Training Department is reviewing the information in preparation of summer 2009 training.

Reporting Tool – The reporting tool has been completed by BPR CSO, staff have been trained and this tool is now available for MSD staff to run the quarterly reports.

Storage Optimization

- Beargrass Creek Flapgate Evaluation - The technical memorandum to document the findings of the September 2008 analysis was presented to I&FP staff in January 2009. A prioritization plan was completed on June 19, 2009. Design of the first set of flap gates will be completed by September 30, 2009.
- Willow Pond Disconnection – This project disconnected the Willow Pond overflow structure from the CSS. Stormwater overflowed from the pond to CSO 127 and



contributed 2.9 MG of Annual Average Overflow Volume (AAOV). This project installed a 24-inch diameter relief storm line between Willow Pond (at corner of Lexington Road & Grinstead Drive) and Beargrass Creek. The construction of this project was complete on June 1, 2009.

#### NMC #3: Review and Modification of Pretreatment Requirements

- MSD collected additional data from trunk sewers and Non-Domestic Dischargers (NDDs) of concern. Analytical data available from the sampling effort has been evaluated. MSD will rerun models once new water quality standards are adopted by KDEP. When MSD reruns the models, the most recent industrial data will be used.
- MSD met with remaining NDD of concern to identify opportunities to reduce/eliminate the impact of discharges to CSS. Letters were sent to the NDDs that documented the findings. MSD will continue to work with NDDs of concern to implement opportunities to reduce/eliminate impacts to CSS.
- MSD continues to send wet weather alerts to NDD of concern prior to rain events, reminding them of their commitment to implement voluntary controls during wet weather events. During this period, MSD sent email notices to NDDs 34 times prior to a rain event. There were 32 rain events during this quarter. There are currently 8 NDDs that voluntarily implement control during wet weather by alternating their cleaning schedule or by storing during a rain event and releasing later.
- MSD completed training modules for internal training of staff (ERPIS) and conducted a training session on May 13, 2009. Twelve (12) staff attended this training.
- MSD continues to include specific NMC #3 related language in re-issued permits discharging to the CSS when those permits are due for re-issuance.
- MSD continued to seek out green infrastructure opportunities at NDDs discharging to CSS.
- MSD continued to track performance measures to monitor the effectiveness of the implementation of NMC #3 within the Pretreatment Program.

#### NMC #4: Maximization of Flow at the Morris Forman Water Quality Treatment Center (WQTC)

- Continued operation of RTC Phase I and Phase II, which minimizes wet weather CSOs by providing an optimized method for delivering more consistent flows into Morris Forman WQTC during and after wet weather events. During this reporting period, approximately 311.80 MG was stored in the system during rain events and routed to the Morris Forman WQTC once the system was able to handle the flow. See **Appendix F** for a detailed report.
- Implementation of the RTC Phase II programmatic enhancement initiatives previously discussed in NMC #2 continues.

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NMC #5: Elimination of CSOs During Dry Weather

Flood Pump Stations

- The final design contract was negotiated for the gate automation modifications design for 4th and 34th Street Flood Pump Stations (FPS). A contract for final design will be awarded during the next reporting period. Modifications for 17th Street, 27<sup>th</sup> Street and Shawnee will be performed in future fiscal years. The remaining FPS will only require changes in the operating procedures that must be approved by the USACE. A contract was awarded to develop DWO abatement solutions for the FPS. The contract will look at each FPS, quantify the volumes of DWOs and develop standard operating procedures (SOPs) for the FPS that only require a change in operations to eliminate DWOs. This work is scheduled for completion by July 30, 2009.
- Discussions with the U.S. Army Corps of Engineers (USACE) will continue regarding proposed modifications to these pumping stations that will minimize dry weather CSOs due to high river levels. A meeting is scheduled for August 10, 2009, to communicate with USACE regarding the proposed FPS modifications.
- Implementation of the Unusual Discharge Request permit program will continue to prevent negative impacts on the CSS from discharges not already covered by a wastewater discharge permit.

Asset Analysis

- MSD staff created one capital project from the recommendations made in the technical memorandum on the FOG hotspots that was completed by December 31, 2008. Design of the Sears and Oechsli Avenue Sewer Replacement Project began on April 17, 2009. MSD RS staff will continue to meet with I&FP and IWD to prioritize, track and mitigate FOG issues within the sewer system.
- MSD performed the quarterly evaluation of dry weather unauthorized discharges to the Waters of the United States, with emphasis on the CSS, to determine causes and to determine if there is a need for corrective activities. MSD will continue to report dry weather overflows from the CSS in accordance with the Sewer Overflow Response Protocol (SORP).



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

Field Verification

- Staff continues to work on the implementation of an expanded visual inspection program to

determine the efficacy of installed controls. A visual inspection program outline was developed prior to March 31, 2009. The pilot implementation process was developed by April 30, 2009. A testing of this process was performed on May 14, 2009. The intent of the visual inspections is to verify the installed controls are working by checking the appearance of the creek/river during and after a rain event compared to a standard for aesthetics. MSD will start tracking weather for capture of two rain events for visual inspection during the next reporting period.

- CSO 108 Rehabilitation - Work was completed on April 28, 2009. The CDS unit wet wells had several inflow points causing the system to activate during dry weather conditions, causing a false wet weather discharge alarm/report. The CDS unit has been sealed but inflows are still observed on site. Water is following the interceptor to the CDS unit. This line will be CCTV'd for a potential CIPP lining project.

#### Solids and Floatables Debris Removal

- Continued inspection and maintenance procedures for the solids and floatables structures as part of the weekly CSO inspections and PM cleaning routines, outlined under NMC #1. During this period, 154 work orders were issued for debris removal at the solids and floatables structures.
- Continued working with staff to determine the quantity of debris and floatables captured by street sweeping, catch basin cleaning, at the headworks of the MFWQTC, and at the end of line S&F controls. Reports have been developed to capture the amount of material removed through catch basin cleaning and at the end of the line S&F controls. I&FP staff were trained to capture data as part of the CSO training held this quarter. Data collected on these activities will be reported starting next quarter. In the last quarter, 629.80 CY of debris was removed from the system with catch basin cleaning

#### 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. A community wide cleanup was held on Wednesday April 22, 2009 at 1:00 P.M. in Jefferson Square Park. MSD staff participated in this activity.
- Continued administration 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 provided spill mitigation kits to the Louisville Metro Fire Department to use to absorb vehicle fluids rather than flushing to the sewer.

- Continued administration of the Erosion Prevention and Sediment Control Ordinance.
- Continued issuance of Wastewater Discharge Permits under the Industrial Pretreatment Program.
- MSD will continue to: facilitate clean sweep events and coordinate volunteers to remove trash and debris from the waterways in Jefferson County, facilitate rain barrel sales in partnership with the Louisville Nature Center, 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, promote Green Infrastructure initiatives within Jefferson County, such as pervious pavement and aqua pavers, and distribute a rain garden manual outlining design and installation procedures for homeowners throughout the next reporting period. The Louisville Nature Center distributed 245 rain barrels in this quarter.
- Louisville Metro sponsored a pill toss on May 27, 2009, and collected more than a half-ton of old or expired medications from residents, preventing these chemicals from entering the sanitary sewer and/or solid waste streams.

#### NMC #8: Public Notification

- To reduce duplication, all public notification information will be reported in **Section 4: Project WIN Program Activities for Public Outreach, Education, Notification and Participation.**

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

- Continued to monitor the largest CSOs for flow volume to define the wet weather contribution of the overflows to the stream.
- MSD staff completed final calibrating and programming of the flow meters at CSO97, CSO16, CSO20, CSO210 and CSO211. The sites are now recording and transmitting CSO flow data. The Metro Operations web page was updated to include



the new flow meter sites and flow information. Next process will be completing the final programming with RTC CSoft improvements by the end of December 2009.

- Continued to collect stream flow, sonde and other environmental data sets for use in further characterization of the combined service area. Data is centralized in an Oracle database and routinely updated by staff.
- Updated predictive and real-time radar rainfall services are now online at MSD with 6-hour predictive rainfall estimates. These services streamline rainfall data transfer between MSD's rainfall data vendor and the Real Time Control interface and model simulation. The testing of this data transfer continued during this quarter and adjustments to the data delivery to improve performance are currently underway. MSD also receives monthly, calibrated radar rainfall data for use in historical event analysis and modeling simulations. A website was developed that allows MSD staff to view and export rainfall data as well as USGS stream monitoring data. Event notifications and alarms are being tested at several sites using customized parameters.
- Reviewed sampling data gathered during previous dry weather sampling events upstream and downstream of CSO206 and surrounding the 'Big Four' SSO elimination projects. Currently preparing for dry and wet weather sampling to establish baseline conditions prior to CSO and SSO elimination. An initial dry weather sampling event was captured during June 2009 and lab analysis results are still pending. Additional dry and wet weather sampling is scheduled to occur during 2009 recreational contact season which began on May 1.
- The 24 CSOs currently fitted with flow monitors were added to telemetry by June 30, 2009 and now report either through the MSD Operations site or via a new remote monitoring data website.
- The new InfoWorks model identified 14 additional CSOs that have AAOVs exceeding 10 million gallons per year due to increased modeling asset detail and the selection of a revised typical rainfall year. These additional CSOs are as follows: CSO174, CSO153, CSO149, CSO121, CSO119, CSO105, CSO97, CSO84, CSO58, CSO55, CSO50, CSO23, CSO18, CSO16, and the CSOs discharging to Sneads Branch Relief. A plan for monitoring flows at each location was developed by June 30, 2009. New flow meters will be installed at these locations prior to December 31, 2009.



## SECTION 2: Project WIN Program Activities for Sewer Overflow Response Protocol

### 2.1 Sewer Overflow Response Protocol Implementation

Per Paragraph 24.d. of the Amended Consent Decree, MSD initially submitted the Sewer Overflow Response Protocol (SORP) to EPA and KDEP on February 10, 2006, and received comments on March 13, 2006. MSD resubmitted the revised SORP on May 12, 2006, and received an approval letter for the SORP on August 22, 2006. The most recent version is dated November 5, 2008, which received approval on January 14, 2009. The approved SORP document can be viewed on the MSD Project WIN website [www.msdlouky.org/projectwin](http://www.msdlouky.org/projectwin). The following activities were performed during this reporting period.

#### Overflow Management and Field Documentation

- Additional field reviews of SORP procedures will be scheduled after rain events to both ensure successful implementation and to assist with the annual SORP overall review.

June 18, 2009, SORP procedures evaluation: Most of Louisville Metro received just over an inch of rain, with some parts of the county receiving as much as 4 inches. Eighteen overflow locations were checked between 2:00 pm and 5:00 pm in the central and south central part of the county on June 18, 2009 to review SORP procedures. No overflows were observed at these sites during this review. On June 23, 2009 an additional field review of eight overflow locations reported by staff to have discharged on June 18, 2009 found two locations that still needed cleaning. Follow up with staff was initiated to get these areas cleaned.

- MSD I&FP staff routinely monitors 11 locations and takes preventive measures to reduce basement backups. Work orders are used to track these various activities. During this period, MSD I&FP staff mobilized pumps on eleven different days.
- MSD continued to review the SORP field documentation manual so appropriate updates can be implemented.
- Overflow/wet weather inspection routes will continue to be reviewed and adjusted as part of the annual SORP review.
- Continued daily review, monthly review and quarterly reviews with staff from Metro Operations, Infrastructure & Flood Protection and Regulatory Services.
- MSD Regulatory Services (RS) staff and MSD Engineering staff routinely monitor approximately 139 sanitary sewer overflow (SSO) sites, which have been grouped into routes based on the range of rainfall rates necessary to cause a 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. During this quarter, MSD RS and Engineering staff found 25 unauthorized discharges. Inspection routes were run during rain events on May 8, 2009, and June 18, 2009. During the next quarter routes will continue to be monitored as needed.

- MSD Metro Operations (MO) continues to monitor over 300 sites via telemetry. There are approximately 20 sites where sewage is routinely hauled from pump stations to prevent overflows during rain events depending on the magnitude and location of the storm. Due to capacity issues during this reporting period, MSD Metro Operations staff hauled 1,364,300 gallons of sewage.

#### Public Notification and Communication

- To reduce duplication, all public notification information will be reported in **Section 4: Project WIN Program Activities for Public Outreach, Education, Notification and Participation.**

#### Regulatory Reporting and Data Management

- MSD continued to improve the accessibility of data captured by the SCADA system for pump station and Real Time Control information. MSD continues to standardize various environmental data sets in preparation for integration with the SharePoint site.
- Monthly meetings continue to be held with staff to perform quality control on discharge work orders.
- The monthly review of discharge work orders was performed. The associated assets in Hansen were updated to track any new overflow locations.
- A detailed data review and trend analysis was done and incorporated into the quarterly training and documented in Section 7 of this quarterly report.
- The Discharge Reporting documentation for tracking overflows in Hansen is under review and staff will continue to update as needed. MSD has expanded the database trigger to help with the Initial Discharge Reporting quality control. The trigger will now keep staff from closing a work order without reporting a volume.

#### Staff Training and Communication

- The second quarter SORP training classes focused on assessment, control zone implementation and mitigation.

One (1) SORP class for RS and Engineering staff was held on June 24, 2009. Ten (10) staff and contractors attended this training.

Two (2) SORP classes for I&FP staff were held on June 19, 2009. Sixteen (16) staff attended this training.

Three (3) SORP classes for MFWQTC staff were held on June 17, 2009, two (2) SORP classes were held on June 24, 2009, and one (1) class was held on June 25, 2009. Seventy-seven (77) staff attended this training.

Two (2) SORP classes were held for Metro Operations staff on June 10, 2009, and one (1) class was held on June 11, 2009. Forty-five (45) staff attended this training.

- The third quarter training will focus on overflow clean up, public notification and field documentation.

- MSD continues to review and update the data associated with overflows.

Annual SORP Review

- MSD has started the annual review of the SORP document. It is not anticipated that a re-submittal will be done this year. If a re-submittal is needed, it will be completed and submitted to EPA and KDEP prior to August 22, 2009.



## SECTION 3: Project WIN Program Activities for Discharge Abatement Plans

### 3.1 Discharge Abatement Plans

As a requirement of the Amended Consent Decree, per Paragraph 25, MSD 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 Morris Forman WQTC KPDES permit and the improvement of water quality in the receiving waters.

The Sanitary Sewer Discharge Plan and the CSO Long Term Control Plan were submitted and certified on December 19, 2008, concurrently under the title of the Integrated Overflow Abatement Plan (IOAP).

The following IOAP activities were performed during this reporting period and planned for the next period:

- MSD continued informal communications relative to clarifying questions and preliminary comments on the IOAP from EPA/KDEP. In response to those informal communications and the entry of the Amended Consent Decree into Federal Court on April 15, 2009, MSD prepared additional information, corrections, and clarifications to the previously submitted IOAP. Some information was provided to EPA/KDEP in separate submittals to ensure that the information responded to the clarification requests satisfactorily. Other information was incorporated into revisions to the IOAP, with the intention that a revision to the December 19, 2008, submittal would be made prior to receipt of formal review comments from the regulatory agencies.
- MSD conducted internal project review meetings to identify potential improvements in the projects proposed as part of the IOAP. Six meetings were held, resulting in proposed changes to several of the projects due to reconsideration of cost and implementation issues, and recalculation of benefit/cost evaluations.
- MSD resubmitted the IOAP after incorporating all the clarifications and changes noted previously. The dates for the re-submittal were:

Volume 2 Final LTCP – May 29, 2009

Volume 3 Final SSDP – June 12, 2009

Volume 1 IOAP – June 19, 2009

- A meeting is scheduled with EPA and KDEP for July 21, 2009. It is anticipated that any additional revisions will be submitted by August 21, 2009.

#### 3.1.1 Sanitary Sewer Discharge Plan

The Sanitary Sewer Discharge Plan (SSDP) addresses the overflows and unauthorized discharges from the separate sanitary sewer system. Three separate plans have been submitted under this program as described below and outlined in Paragraph 25.a. of the Amended Consent Decree.



### 3.1.1.1 Updated Sanitary Sewer Overflow Plan Implementation

MSD prepared and submitted the Updated Sanitary Sewer Overflow Plan (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.

- All activities required under the Updated Sanitary Sewer Overflow Plan (SSOP) have been completed.

### 3.1.1.2 Interim Sanitary Sewer Discharge Plan

MSD submitted for approval an Interim Sanitary Sewer Discharge Plan (ISSDP) on September 30, 2007. Comments were received on January 8, 2008. MSD resubmitted the revised ISSDP on March 7, 2008, and received an approval letter for the ISSDP on July 24, 2008. The approved ISSDP document can be viewed on the MSD Project WIN website [www.msdlouky.org/projectwin](http://www.msdlouky.org/projectwin).

Refer to **Appendix A** for a chart showing the schedule of the activities described in this section. **All projects are now listed by Budget ID in the chart.** Note that the schedule in **Appendix A** shows completion dates that are earlier than contained in the ISSDP. These early completion dates represent targets for MSD's project management use, but do not represent a change in schedule commitments. The dates in the approved ISSDP remain the committed dates for completion of the ISSDP projects.

The following activities were performed during this reporting period or planned for the next period.

- Beechwood Village Sanitary Sewer Replacement (Budget IDs E07261 and E08034) - Beechwood Village East (Budget ID E07261) – Construction began on house plumbing modifications, new property service connections (PSCs), and cured-in-place pipe (CIPP) lining the existing sewers. The CIPP work is 90% complete and approximately 70 plumbing modifications and PSCs are complete. Work anticipated for the next reporting period will be completion of the CIPP work and the epoxy lining of manholes, continuation of plumbing modifications/





service connections, and begin construction of the 18" diameter interceptor. Beechwood Village West (Budget ID E08034) – This project was bid on June 9, 2009. In the next reporting period the project should be awarded, notice-to-proceed issued and work begun. Both projects will be completed by April 27, 2011, in accordance with the ISSDP schedule and the Amended Consent Decree.

- The Sinking Fork Relief Sewer (Budget ID H08357) - Construction on the interceptor has continued and is approximately 40% complete. This quarter the work focused on the sewer line bores, which is scheduled to be completed by September 26, 2009. This project extends the existing Sinking Fork Interceptor to provide an outlet for the Beechwood Village projects. This project will be completed by December 30, 2010, in accordance with the ISSDP schedule and the Amended Consent Decree.
- Southeast Diversion Structure & Interceptor (Budget ID H08358) - 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 will connect this relief sewer to the proposed Hikes Lane Interceptor and the existing Buechel Branch Interceptor. During development of the final SSDP, alternatives have been identified for the Upper Middle Fork Pump Station and the Jeffersontown WQTC that could impact the sizing of this relief interceptor, and require the addition of a flow equalization basin somewhere along the route. Professional design services selection and scope development have been put on hold pending selection of the alternatives for eliminating unauthorized discharges at these locations. Analysis of the preliminary alignments for both the junction structure and the new relief interceptor continues. Final alignment is expected to be determined during the next reporting period. The construction to eliminate the Southeast Diversion overflow will be completed by December 2011, in accordance with the revised ISSDP schedule and the Amended Consent Decree. The SE Interceptor Relief project will be coordinated with the Highgate Springs and Hikes Point Area (Budget ID H07286 and H07287) projects with a completion date of May 12, 2012.
- Hikes Lane Interceptor & Highgate Springs Pump Station (Budget ID H07286 and H07287) – Design work continued on the route analysis for the proposed Hikes Lane



Interceptor and the Hikes Point Relief Sewer Improvements. A final alignment is expected to be determined in the next reporting period. MSD has revised the interceptor alignment to parallel the existing Beargrass Interceptor, along the South Fork of Beargrass Creek. The final design of the Hikes Lane Interceptor and the Relief Sewer Improvements is expected to be complete by December 2009. The Carson-Ribble Sewer Relief Project has been separated from the other projects in the Hikes Point Relief Sewer Improvements in order to expedite the construction. This project was awarded on June 22, 2009, and construction is expected to begin in July 2009. The entire project package will be completed by November 27, 2012, in accordance with the ISSDP schedule and the Amended Consent Decree.

- Northern Ditch Diversion Interceptor (Budget ID C85017) - Improvements described in the previous paragraphs will result in significantly more wet weather flow in the Derek R. Guthrie WQTC and Morris Forman WQTC 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 Morris Forman WQTC service area (currently through the Northern Ditch Pump Station) to the Derek R. Guthrie WQTC. The entire improvement is divided into three phases. Construction of the first phase was awarded on May 26, 2009, and preliminary construction activities began on June 16, 2009. Phase II will be advertised for construction on July 22, 2009, with an anticipated award date of September 14, 2009. The entire project package will be completed by July 31, 2011, in accordance with the ISSDP schedule and the Amended Consent Decree.
- Derek R. Guthrie WQTC Wet Weather Equalization and Treatment Project (Budget ID H06302) - MSD submitted a request and received approval on May 6, 2009, from KDEP to rename the West County Wastewater Treatment Plant to the Derek R. Guthrie Water Quality Treatment Center (WQTC) and from now on we will refer to this facility as the Derek R. Guthrie WQTC. The final design is continuing in four separate packages – Pumping Station, Treatment Facility, Diversion Structure, and the Equalization Basin. In this reporting period, process design, equipment selection, surveying and geotechnical services were initiated for the proposed facilities. The 60% plan for the Wet Weather Treatment Facility was submitted to MSD for review and comment on June 8, 2009. The design for the Equalization Basin was initiated on June 15, 2009. In the next reporting period, MSD will meet with the KDEP staff to review the 60% plans. A meeting with KDEP is scheduled for July 15, 2009. Construction of flow equalization and expanded secondary treatment at the Derek R. Guthrie WQTC will be completed by December 31, 2011, in accordance with the ISSDP schedule and the Amended Consent Decree.
- Increased Performance for ISSDP Elements - Additional overflow eliminations have been identified in the Final Sanitary Sewer Discharge Plan that will route additional flow through the ISSDP conveyance and treatment processes listed above. ISSDP projects sizing was reviewed to ensure that they can accommodate additional wet weather flows resulting from these overflow eliminations. A summary of the elimination projects was included in Volume 3, Chapter 4 of the Final SSDP that was re-submitted and certified June 12, 2009.

### 3.1.1.3 Final Sanitary Sewer Discharge Plan

MSD submitted for approval a Final Sanitary Sewer Discharge Plan (SSDP) on December 19, 2008, prior to the December 31, 2008 deadline as Volume 3 of the Integrated Overflow Abatement Plan (IOAP). As noted in Section 3.1, the Final SSDP was resubmitted on June 12, 2009.

This section will report on the progress of the projects identified in the IOAP, Volume 3 – Final SSDP Projects. Refer to **Appendix A** for a chart showing the schedule of the activities described in this section. **All projects are now listed by Budget ID in the chart.** Note that the schedule in **Appendix A** shows completion dates that are earlier than contained in the ISSDP. These early completion dates represent targets for MSD's project management use, but do not represent a change in schedule commitments. The dates in the approved ISSDP remain the committed dates for completion of the ISSDP projects.

The following activities were performed during this reporting period or planned for the next period.

#### Cedar Creek Area

- Running Fox Pump Station Elimination (Budget ID H09178) – Design on this project was completed on April 28, 2009. This project is waiting on approval from the Kentucky Division of Water. The project consists of diverting the existing sanitary sewer flow from the Running Fox Pump Station to an existing gravity sanitary sewer system via gravity flow. Decommissioning of the pump station is also included in this project. Downstream impacts are currently being analyzed to ensure issues are not created due to the flow diversion. Easement acquisition is currently in process, and is scheduled to be completed by July 31, 2009. The project is scheduled for bidding in the next reporting period. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.

#### Hite Creek Area

- Floydsburg Road I&I Investigation and Rehabilitation (Budget ID H09172) – This project is scheduled to start in the next reporting period. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.

#### Floyds Fork Area

- Ashburton Pump Station Improvements and Diversion (Budget ID A09092) – This project will address overflows at Ashburton and Olde Copper Court Pump Stations by diverting flow from Ashburton PS through 475 LF of upsized force main to an 8-inch gravity sewer system in a neighboring subdivision. Draw-down testing indicated that pump condition and/or air/vacuum release valve issues may be limiting pump station capacity. In response to the need to correct an existing maintenance issue at the pump station, this project has been accelerated from what is shown in the Final SSDP. Design has been awarded and is currently at 90% completion. In May, new pumps, sized as part of the design effort, arrived and were installed. Staff also replaced vacuum/air valves along the existing force main. A new draw down test has been scheduled to be completed in July 2009. The new test data will help determine the final project scope. One outstanding

issue that remains is to determine if the existing force main needs to be replaced with a larger diameter pipe. MSD expects to complete this evaluation and complete the design in the next reporting period. All phases of the project are currently targeted to be completed well in advance of December 31, 2021, in accordance with the IOAP schedule and the Amended Consent Decree.

#### **Jeffersontown Area**

- Raintree and Marian Court Phase 1 - Pump Station Eliminations (Budget ID - none) - Both these pump stations will be eliminated by a private development project. Final design is underway to install 320 linear feet of 8-inch diameter sewer to eliminate Marian Court Pump Station and 410 linear feet of 8-inch diameter sewer to eliminate Raintree Pump Station. Final design and easement acquisition are scheduled to be completed during the next reporting period. The developer is planning to advertise this project and have construction complete this fall. Since this project is being completed by a private developer it has not been assigned a Budget ID and it does not appear on MSD's project management schedule. MSD is monitoring the developer's progress, and all phases of this project will be completed well in advance of the December 31, 2021 date in the IOAP schedule.

#### **Beargrass Creek Middle Fork Area**

- Upper Middle Fork #1- Buechel Basin (Budget ID H07288) – This project consists of construction of a flow equalization basin on a 96-acre parcel of land in the Jennings Lane/Produce Road area (hereinafter referred to as the Buechel Site). The project will provide an outlet for the ISSDP proposed Southeast Diversion Relief Interceptor and will provide capacity for surcharge from the Northern Ditch Interceptor during wet weather. During this reporting period, the MSD Board approved funds for purchase of the Buechel Site and a Phase II Environmental Site Assessment (ESA) has been initiated. During the next reporting period, property purchase will be finalized, the Phase II ESA will be completed and the design consultant selection process will begin. The project will be completed by December 2013, in accordance with the IOAP schedule and the Amended Consent Decree.
- Hurstbourne I&I Investigation and Rehabilitation (Budget ID H09219) - This project is scheduled to start in the next reporting period. All phases of the project will be completed by December 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.

#### **Southeastern Diversion Area**

- Beargrass Interceptor Rehabilitation Phase 2 (Budget ID H09239) – The planning for this project has started. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.

#### **Pond Creek Area**

- Charleswood Interceptor #23 Project (Budget ID C94103) / Cooper Chapel Road Widening – During this reporting period 3 additional easements were obtained. In the next quarter the remaining 3 easements will be acquired. This is a joint project with Louisville Metro Public Works. This project will be constructed under a Metro Public Works Contract. To coordinate with Metro Public Works construction schedule, the

project's bidding phase is scheduled to be completed in the next reporting period. All phases of the project are now targeted to be completed well in advance of December 31, 2022, in accordance with the IOAP schedule and the Amended Consent Decree.

- Avanti Pump Station Elimination (Budget ID A09090) – The project consists of diverting the existing sanitary sewer flow from the Avanti Way Pump Station to an existing gravity sanitary sewer system via gravity flow. This revised route results in the flow being diverted from the Derek R. Guthrie WQTC to the Cedar Creek WQTC for treatment. Decommissioning of the pump station is also included in this project. In response to maintenance issues with this pump station the project has been accelerated to avoid a costly rehabilitation of the facility planned to eventually be eliminated. The project design was submitted to the Kentucky Division of Water for approval on March 23, 2009. Approval was received on April 13, 2009. The project was awarded on May 27, 2009, and the Notice-to-Proceed for the construction of this project was issued on June 15, 2009. Construction is scheduled to begin in July 2009. All phases of the project are currently targeted to be completed well in advance of December 31, 2021, in accordance with the IOAP schedule and the Amended Consent Decree.
- Government Center Pump Station Elimination (Budget ID H09194) – This project consists of diverting existing sanitary sewer flow from the Government Center Pump Station to an existing 15-inch diameter sanitary sewer line via gravity flow. Decommissioning of the existing pump station is also included in this project. In response to maintenance issues with the existing pump station this project has been accelerated to avoid the need for a significant rehabilitation of a pump station scheduled for elimination. The project is currently in design, with design completion scheduled for August 28, 2009. At that point, the project design will be submitted to the Kentucky Department of Environmental Protection (KDEP) for approval. All phases of the project are targeted to be completed well in advance of December 31, 2024, in accordance with the IOAP schedule and the Amended Consent Decree.

#### Ohio River Force Main Area

- Mellwood System 1 - Mellwood Pump Station and Force Main (Budget ID A09556) – The phase of the project consists of constructing a new 3 MGD pump station facility and force main upgrades to replace the existing Mellwood Pump Station. The pump station facility lies in the Ohio River Floodplain, thus requires significant design criteria. Negotiations have been finalized and a contract executed for the design of this project. The Notice to Proceed was issued on June 29, 2009. During the next reporting period the design process will continue. The project consists of constructing a new 3 MGD pump station facility and force main upgrades to replace the existing Mellwood Pump Station. To address immediate issues with the pump station condition and provide for cost-sharing opportunities with a potential developer this project has been divided into phases, and the pump station replacement phase accelerated from the schedule shown in the Final SSDP. Negotiations have been finalized and a contract executed for the design of the first phase of this project. The Notice to Proceed was issued on June 29, 2009. During the next reporting period the design process will continue for the first phase of the project. Phase 1 of the Mellwood System will be completed by December



31, 2012 and all phases of the project will be completed by December 31, 2024, in accordance with the IOAP schedule and the Amended Consent Decree.

- Prospect #1 - WQTC Elimination (Budget ID multiple) - An elimination plan has been developed and submitted to EPA/KDEP. This plan included five separate phases of work to accomplish the elimination of the treatment facilities in the Prospect area. The phases include pump stations and force mains to eliminate the Hunting Creek North and Shadow Wood WQTCs, a River Road Interceptor (Budget ID D94210) to transport the Hunting Creek North flow to a new, third pump station near the existing Ken Carla WQTC, a new Harrods Creek Interceptor (Budget ID D00249) to transport the Hunting Creek South and the Timberlake WQTC to the proposed pump station at the existing Ken Carla WQTC (Budget ID D94206). The proposed regional pump station near the Ken Carla WQTC would then be connected to MSD's Hite Creek WQTC via a new force main. Notice to proceed has been issued for the preliminary design that will finalize the needed infrastructure and determine the necessary capacity. Alternate alignments and preliminary pump station design are scheduled to be submitted for review during the next reporting period. Finalization of previously prepared plans for the River Road Interceptor will begin in the next reporting period. All phases of the project will be completed by December 31, 2015, in accordance with the IOAP schedule and the Amended Consent Decree.

#### Mill Creek Area

- East Rockford Lane Pump Station Relocation (Budget ID A09091) - The project consists of relocating the pump station facility, as well as increasing the size of existing pumps and force main. In response to maintenance issues with the existing pump station this project has been accelerated to avoid the need for a significant rehabilitation of a pump station scheduled for replacement. A notice to proceed for design was issued on June 26, 2009. Design should reach the 60% stage in the next reporting period. All phases of the project are targeted to be completed well in advance of December 31, 2021, in accordance with the IOAP schedule and the Amended Consent Decree.
- Shively Interceptor (Budget ID B06208) – This project is in final design and will eliminate five pump stations within the City of Shively. The project consists of the installation of approximately 19,000 LF of interceptor which may range in size from 8-inch to 27-inch diameter. The 80% design plans have been submitted to MSD for review. During the next reporting period this project is scheduled to reach the 100% design stage and easement acquisition will begin. All phases of the project will be completed by December 31, 2014, in accordance with the IOAP schedule and the Amended Consent Decree.

#### Combined Sewer System Area

- Camp Taylor # 1 SSES (Budget ID H09201) - The planning for this project has started. All phases of the project will be completed by December 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.
- Camp Taylor #2 Sewer Replacement (Budget ID H09220) - The planning for this project has started. All phases of the project will be completed by December 31, 2013, in accordance with the IOAP schedule and the Amended Consent Decree.

- Sonne Pump Station I&I Investigation and Rehabilitation (Budget ID H09187) – This project is scheduled to start in the next quarter. All phases of the project will be completed by June 30, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.

#### Small WQTC Area

- There are no active IOAP projects in these areas during this reporting period.

#### Other Projects

- For CPE/CCP modification projects refer to **Section 6.9: Comprehensive Performance Evaluations and Composite Correction Plans**

#### 3.1.2 CSO Long Term Control Plan

The CSO Long Term Control Plan (LTCP) will address the overflows and unauthorized discharges from the CSS. Two separate plans have been submitted under this program as described below and outlined in Paragraph 25.b. of the Amended Consent Decree.

##### 3.1.2.1 Interim CSO 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](http://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.

With the completion of the CSO206 Separation project reported on below, all activities required under the Interim CSO Long Term Control Plan have been completed and this section will be removed from future quarterly reports.

- CSO206 Separation (Budget ID H09131) - This project included 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. Areas 1-12 had been completed previously. Construction of areas 13 through 15 (Budget ID I01062) was completed on March 31, 2009, and the certification letter was sent on April 7, 2009, in accordance with the Amended Consent Decree.

##### 3.1.2.2 Final CSO Long Term Control Plan

MSD submitted for approval the Final CSO LTCP on December 19, 2008, prior to the December 31, 2008, deadline as Volume 2 of the Integrated Overflow Abatement Plan (IOAP). As noted in Section 3.1 the Final CSO LTCP was resubmitted on May 29, 2009.

This section will report on the progress of the projects identified in the IOAP, Volume 2 – Final CSO LTCP. Refer to **Appendix A** for a chart showing the schedule of the activities described in this section. **All projects are now listed by Budget ID in the chart.** Note that the schedule in **Appendix A** shows completion dates that are earlier than contained in the Final LTCP. These early completion dates represent targets for MSD's project management use, but do not represent a change in schedule commitments.

The dates in the Final LTCP submitted on May 30, 2009, remain the committed dates for completion of the Final LTCP projects.

The following activities were performed during this reporting period or are planned for the next period.

### **Green Demonstration Projects**

- MSD Main Office Parking Lot Bioswale (Budget ID H09424) – This project is scheduled to start in the next quarter. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- Seventh and Cedar Green Parking Lot (Budget ID H09425) – This project is scheduled to start in the next quarter. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- Second and Broadway Green Parking Lot (Budget ID H09426) – This project is scheduled to start in the next quarter. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- Third and Ormsby Biofiltration Swales (Budget ID H09427) – This project is scheduled to start in the next quarter. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- Sixth and Muhammad Ali Green Parking Lot (Budget ID H09428) – This project is scheduled to start in the next quarter. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- Sixth and Broadway Rain Garden (Budget ID H09429) - This project is scheduled to start in the next quarter. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- Seventeenth and W Hill Permeable Alley (Budget ID H09430) – This project is scheduled to start in the next quarter. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.



- Seventh and Market Permeable Alley (Budget ID H09431) – This project is scheduled to start in the next quarter. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- Campbell and Main Permeable Alley (Budget ID H09432) – This project is scheduled to start in the next quarter. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- Twelfth and Jefferson Green Street (Budget ID H09433) – This project is scheduled to start in the next quarter. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- Two (2) Additional Rain Garden Projects (Budget ID H10039 and H10040) – These projects are scheduled to start in the next quarter. All phases of these projects will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.

#### Gray Infrastructure Projects

- Logan Street Basin (Budget ID H09142) - The MSD Board has approved a design contract to begin preliminary design work on the Logan Street CSO Basin, which currently consists of a 11.83 MG underground storage basin, and approximately 5,000 LF of new interceptor sewers. This design contract will evaluate available/alternative technologies and establish some level of design protocols for the other 12 CSO basin designs. This contract will provide a design of the basin to a 30% stage. Project kick off meeting has been held and a Project Team established. Surveying and geotechnical field work is currently underway along the proposed CSO interceptor line and on the storage basin site. A field walk was conducted to observe existing conditions at the proposed basin site and along the CSO interceptor route. During the next reporting period MSD will focus primarily on feasibility analysis, risk assessment, and general information collection which may be applied to other CSO basin designs. All phases of the project will be completed by December 31, 2017, in accordance with the IOAP schedule and the Amended Consent Decree.
- CSO108 Dam Modification (Budget ID H09128) – Planning for this project is underway and will continue in the next quarter. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- CSO206 Downspout Disconnections (Budget ID H09131) – Planning for this project to disconnect downspouts is underway and will continue in the next quarter. All phases of the project will be completed by December 30, 2013, in accordance with the IOAP schedule and the Amended Consent Decree.
- I-64 and Grinstead Drive Storage Basin (Budget ID H09121) - This project is scheduled to start in the next quarter. All phases of the project will be completed by December 31, 2014 in accordance with the IOAP schedule and the Amended Consent Decree.
- Paddy's Run Wet Weather Treatment Facility (Budget ID H09124) - This project is scheduled to start in the next quarter. All phases of the project will be completed by

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December 31, 2014 in accordance with the IOAP schedule and the Amended Consent Decree.

**Flood Pump Station Projects**

- 34<sup>th</sup> Street Flood Pump Station (Budget ID H08478) - The final design contract was negotiated for the gate automation modifications design for the 34th Street Flood Pump Station. A contract for final design will be awarded during the next reporting period. All phases of the project will be completed by December 31, 2012 in accordance with the IOAP schedule and the Amended Consent Decree.
- 4<sup>th</sup> Street Flood Pump Station (Budget ID H08477) - The final design contract was negotiated for the gate automation modifications design for the 4th Street Flood Pump Station. A contract for final design will be awarded during the next reporting period. All phases of the project will be completed by December 31, 2012 in accordance with the IOAP schedule and the Amended Consent Decree



## SECTION 4: Project WIN Program Activities for Public Outreach, Education, Notification and Participation

### 4.1 Public Outreach

In addition to the technical aspects of Amended 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 Amended 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.

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 Amended Consent Decree, including potential program direction and anticipated costs.

Below is a chronological summary of the **general outreach activities**.

April 2009	Opening of Fire Station 21 – Partnership with Metro Public Works for porous paving and rain garden installation
April 8, 2009	Mayor's Active Living Committee Community Walkability Assessment
April 15, 2009	Project WIN booth at Actors Theatre Green Scene event with Wild Blessings and Wendell Berry
April 6, 12, 20, 2009	Presentations to U of L School of Engineering Stormwater and Green Infrastructure
April 24, 2009	Operation Brightside Derby Cleanup
April 26, 2009	Earth Day at the Zoo
May 2009	MSD support of the Louisville Science Center IMAX film Grand Canyon Experience: River at Risk <a href="http://www.louisvillescience.org/site/imax-article/grand-canyon-adventure.html">www.louisvillescience.org/site/imax-article/grand-canyon-adventure.html</a>
May 18, 2009	Presentation to Bon Air Garden Club on Benefits of Native Plants to Green Infrastructure
May 18, 19 & 20	Louisville Water Company Water Festival
May 20, 2009	Presentation to World of Flowers Club on Rain Gardens
May 21, 2009	Presentation on Rain Gardens and Rain Barrels
May 30, 2009	X-Stream Clean Sweep, 15 sites for stream clean up, invasive vegetation removal
May 29, June 1,2	Installation of Outdoor Classroom at Brandeis Elementary
June 20, 2009	Ohio River Sweep
June-July 2009	Installation of Rain Garden for MSD main office building
August 2009	WFPL Public Radio State of Affairs - Green Landscaping - Discussion
August 2009	State Fair booth

August 13, 2009	JCPS School - the Earth Force, Green and Healthy Schools, Youth Summit, and Eastern High School.
FY 2009	Continued support for Eastern High School's Environmental Program at Floyds Fork WQTC. Working on an expansion of this program to include Fairdale HS and the Derek R. Guthrie WQTC.
FY 2009	Rain Garden workshop - location and date to be announced
FY 2009	Environmental Magnet School development – Portland, Cane Run
FY 2009	University of Louisville School of Public Health Internship Program – scheduled to resume in August
FY 2009	EcoDrama and Basin Marking – this summer basin marking has been done in partnership with summer camps in Smoketown.
FY 2009	Speaker's Bureau
FY 2009	Earth Force with Middle Schools
October 19, 2009	Kentucky Green and Healthy Schools Water Inventory <a href="http://www.greenschools.ky.gov">www.greenschools.ky.gov</a>

MSD staff attended or will attend the following “**Mayor’s Community Conversations**”:

April 20, 2009	Stuart Middle School gym, 4601 Valley Station Road
May 18, 2009	Newburg Middle School gym, 4901 Exter Avenue
June 15, 2009	Ramsey Middle School gym, 6409 Gelhaus Lane
July 20, 2009	Carter Elementary School, 3600 Bohne Avenue
August 17, 2009	Fairdale High School small gym, 1001 Fairdale Road
September 21, 2009	Atherton High School small gym, 3000 Dundee Way
October 19, 2009	Southern High School large gym, 8620 Preston Highway
November 16, 2009	Central High School large gym, 1130 W Chestnut Street

#### **4.2 Project WIN Public Meetings**

During this reporting period there were no Project WIN public meetings.

#### **4.3 Wet Weather Team Meetings**

The process of organizing a Wet Weather Team (WWT) as outlined in Amended Consent Decree Paragraph 22 has been completed. A follow-up meeting to review changes prepared in response to EPA/KDEP comments was held for interested members of the Stakeholders Group on May 11, 2009. At this time it was requested that update meetings be held twice a year.

All information provided to the WWT is available on the Project WIN website, at [www.msdlouky.org/projectwin](http://www.msdlouky.org/projectwin).

#### **4.4 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. The following activities occurred within this reporting period:

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## Education

- Advertisements to inform the public on Project WIN activities are published in *Business First*, *Today's Woman*, and in *Louisville Magazine*.
- MSD *Update* is sent to customers and staff each month. Project WIN related articles are contained in each issue. These publications are available on the MSD Web site.
- The Spring/Summer issue of the Crosscurrents Newsletter was distributed in the middle of June to customers. This issue contained information on CSO/SSO overflow maps and updated information on Project WIN initiatives. This publication is available on the MSD Web site.
- Living Better with Cindi Sullivan - a remote broadcast will be scheduled at a MSD location for a discussion on a rain garden installation.
- Thirty second radio commercials on WHAS Radio highlighting MSD tips and/or initiatives started airing again in April, 3 times per week Monday - Friday from 6:00 am - 7:00 pm and 1 time per week on Saturdays from 9:00 am - 11:00 am.
- Online web streaming on WHAS Radio highlighting MSD tips and/or initiatives will run June - August, 10 times per week Monday - Friday from 7:00 am - 6:00 pm.
- MSD will continue to run TV spots during the Troubleshooter Show (WAVE TV) on Mondays 10:30am - 11:00 am. Spots are scheduled to run once a week. The commercial focused on FOG issues. MSD is working on posting these commercials on the Project WIN website.
- MSD's executive director will appear on WAVE 3 Listens once each quarter. The appearances will be on February 5, 2009, April 14, 2009, July 7, 2009, and October 6, 2009.
- Continuation of efforts to utilize various media outlets, including television, radio and the newspaper, to serve as a conduit for disseminating information to the public. An article on the x-Stream Clean was published in the Courier Journal in May 2009.
- The MSD Annual Report was completed and distributed in April.
- Metro TV (Channel 25) continues to periodically show the **Project WIN 2008 video series** - a series of seven videos to inform the public about MSD, the Amended Consent Decree and Project WIN.
- Project WIN 2008 video series are available on the Project WIN website.
- MSD's Customer Relations Department mailed 71 Project WIN information packets to customers who called the department with questions about the Louisville Amended Consent Decree – specifically regarding overflows, discharges, plumbing modification and the surcharge fee.
- MSD's IWD Department sent out 273 FOG residential public outreach letters to 2 areas that had FOG issues during this reporting period.

- MSD is working with the Louisville Metro Parks Department to develop an interpretive sign for SORP education.
- MSD staff is working on enhancements to the **What Can You Do** portion of the Project WIN website. This link is located at [www.msdlouky.org/projectwin/cando.htm](http://www.msdlouky.org/projectwin/cando.htm).
- MSD ran a Project Win ad in Her Scene, Summer 2009 issue.
- MSD staff developed a kitchen magnet that will remind customers not to run the dishwasher or washing machine during rain events.
- MSD is working on a new bill insert with Project WIN information that will be sent to MSD customers during the next quarter with their billing statements.
- MSD is developing an ad that will run in the U of L magazine in the next quarter.
- MSD's Executive Director recorded three new radio scripts that will be used throughout the summer.



*This is Bud Schardein, with MSD, reminding you that our stream water quality in Louisville is improving every day because people like you have reduced their water consumption during rain events and shortly thereafter. Refraining from using your dishwasher and washing machine during a rain event helps to keep extra water out of the system. For more tips on how you can help keep our waterways clean, visit us online at [msdlouky.org](http://msdlouky.org).*

*This is Bud Schardein, with MSD, reminding you to stay safe this summer and use caution around streams and waterways during and just after rain events. Louisville's sewer system is aging and our waterways can have a high bacteria content just after rain events. MSD is working hard to eliminate this problem, and we encourage you to abide by caution signs and refrain from waterway use during affected times. For more tips on how you can help keep our waterways clean, visit us online at [msdlouky.org](http://msdlouky.org).*

*This is Bud Schardein, with MSD, reminding you that clean waterways benefit us all in many ways. Each of us has a stake in protecting and enhancing the quality of our water resources. Clean waterways are both a benefit to the community and a regulatory requirement. It's a big job, requiring significant investment by our rate-payers, and we are working hard to minimize rate increases. For more*

*information on rates and how you can help keep our waterways clean, visit us online at [msdlouky.org](http://msdlouky.org).*

#### Notification

- Continued to update the Project WIN website. Customers who voluntarily sign up to receive email alerts regarding sewer overflows will now receive a revised notice that indicates when overflow conditions have returned to normal. MSD also sends out notification on dry weather unauthorized discharges of over 1000 gallons. In addition, there are messages from MSD, a repository of approved documents, Stakeholder meeting minutes and access to a public notification email system. This website can be found at [www.msdlouky.org/projectwin](http://www.msdlouky.org/projectwin).
- During this period there were 5 Dry Weather Unauthorized Discharges of more than 1000 gallons. These events required additional notification due to the volume of dry weather overflow involved. MSD posts notification on the Project WIN website, sends email notices to those signed up for notification, and changes the alert status to yellow when these events occur.
- MSD completed the process to review overflow warning sign locations with the documented overflow locations to determine that all impacted reaches of streams and known overflow points have installed signage. An additional 114 new signs were installed by June 30, 2009.
- MSD completed the process for the distribution of 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. This was accomplished with a publication in the newspaper on Sunday April 12, 2009, and Wednesday April 23, 2009.
- MSD completed the process to distribute the annual Beargrass Creek and Ohio River mailing to residents within 500 feet of these waterways. This information was mailed out on April 13, 2009, to 15,815 customers. This activity was completed prior to May 1, the start of the recreational season.
- MSD has developed a website to facilitate communication with customers on the Beechwood Village (Budget IDs E07261 and E08034) project. The site is available with a link on the Project WIN website. Select Construction Projects to link to the website. <http://inet.msdlouky.org/bwvillage/default.asp>



MSD continues to post 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



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significant precipitation has caused overflows in MSD's system. MSD updated the "calendar" of public information activities for the upcoming year.

Information related to the Amended Consent Decree and Project WIN may be found at [www.msdlouky.org/projectwin](http://www.msdlouky.org/projectwin).

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## SECTION 5: Capacity Management Operations and Maintenance Report

### 5.1 Capacity Management Operations and Maintenance Program Activities

Per Paragraph 24.c of the Amended 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](http://www.msdlouky.org/projectwin). Highlights of the CMOM program implementation over this reporting period are outlined below.

#### 5.1.1 Activities for this Reporting Period (April 1, 2009, through June 30, 2009)

MSD has completed the implementation of the recommendations from the CMOM Self-Assessment report. The activities were performed using a combination of in-house resources and consultants. A summary of the activities which occurred during this reporting period are presented below.

After this report, there are no more activities with deadlines identified in the CMOM Self-Assessment Report. This section will be removed from future reports.

#### **M-D-4 Revised Utility Information Management (UIM) Support Plan (Due May 14, 2009)**

- A combination of in-house staff and external consultants continues the development of the SharePoint site. Project management work flows and project checklists have been developed for capital design/construction projects and all general procurement activities. The work flows and checklists have been reproduced electronically, including project forms and templates and incorporated into the SharePoint portal. SharePoint was installed on MSD's system after initial set up and configuration on a test server. Data has been modified from the December 19, 2008, IOAP implementation schedule into a format more consistent with MSD's budget (Primavera) and procurement (SAP) systems and linked into SharePoint. A web page has been created for use by a limited number of MSD and consultant staff to continue "beta-testing" the configuring of the portal. MSD IT staff has started the development of an electronic central file storage site for improved document management using an eB link to the SharePoint portal. An expanded suite of performance matrices and indexes are being refined for the PSC Dashboard displays that will be a part of the SharePoint system.

#### 5.1.2 Activities for the Next Reporting Period (July 1, 2009, through September 30, 2009)

There are no more activities with deadlines identified in the CMOM Self-Assessment Report. This section will be removed from future reports.

### 5.2 Continued CMOM Program Implementation

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

The CMOM ID numbers below correspond to the CMOM ID numbers in Table 3.2 from the CMOM Self Assessment. Continued CMOM Program Implementation activities (Section 5.2 of this document) will be reported using these original CMOM ID numbers. These original ID

numbers do not correspond to the numbering system used in Section 5.1 of this document. The ID numbering system referenced in Section 5.1 is a numbering system which was based on the schedule submitted in the CMOM Self Assessment Report that was submitted to EPA and KDEP on February 10, 2006.

This conflict in the numbering systems has become a point of confusion when reporting progress. Therefore, as the CMOM deadlines are met in Section 5.1, future progress will be reported using the original CMOM ID numbering system.

### **5.2.1 Management Programs**

#### **M-E-4 Engineering Programs (Sewer System Design Program)**

##### **This Quarter**

- One of the tasks recommended in the CMOM report was to provide a comprehensive review of design and construction standards, particularly for addressing wet weather design conditions. MSD's design and construction standards were reviewed to identify opportunities to reduce unauthorized discharges through design or construction management practices.
- A summary technical memorandum was prepared and submitted on June 29, 2007 for review and implementation by a cross-divisional committee of senior MSD staff. The technical memorandum was issued in final form on April 18, 2008.
- Subsequently, MSD's consultant performed a comprehensive review of, and revisions to, all design and construction standards to address the recommendations made in the April 18, 2008, technical memorandum and to bring the design and construction standards up to current industry standards.
- The review and revision process included the following MSD standard documents:
  - MSD Design Manual
  - MSD Standard Specifications
  - MSD Standard Drawings
  - MSD Standard I/I Specifications
- Proposed revisions for these documents were submitted to MSD for review on June 30, 2009.

##### **Next Quarter**

- It is anticipated that the MSD review will be completed and final drafts submitted in the month of July. The design community will be notified by electronic and paper means by August 1, 2009. The documents will be posted on the MSD webpage no later than August 28, 2009, with an effective date of September 1, 2009.

#### **M-E-9 Engineering Programs (Infrastructure Rehabilitation Program)**

##### **This Quarter**

- MSD has purchased the Neztex software to facilitate data transfer for PACP TV inspections from the Hansen asset management system to remote inspection software

and back. Protocols for transferring and tracking this data efficiently are being defined along with appropriate quality control measures as the amount of inspection data that MSD is gathering will drastically increase starting this quarter.

- MSD developed and advertised a RFQ for SSES projects in April 2009. MSD received 19 SOQs on May 28, 2009. Final firm selection will occur in the next reporting period.
- Budget has been allocated for rehabilitation projects from the ICA Phase 1 and 2 information. MSD continues to analyze the inspection data in order to develop additional capital rehabilitation projects from Phase II of the Interceptor Condition Assessment, and from the remaining Phase I Interceptor Condition Assessment issues.
- The Moyle Hill Road Sewer Rehabilitation (Budget ID B09088) - This project to reline 2305 LF of 8-inch, 380 LF of 10-inch, 985 LF of 12-inch line was completed on June 12, 2009.
- Interceptor Condition Assessment Phase 2 (Budget ID H04273) – The final reports have been received.
  - Pond Creek – Work completed, ICA reports submitted April 10, 2009.
  - Northern Ditch (Southeastern) – Report and Video files delivered April 10, 2009.
  - St. Matthews – Work completed, ICA reports submitted April 3, 2009.
  - Lower Middle Fork – Work completed, ICA reports submitted April 2, 2009.
  - Muddy Fork – Work completed, ICA reports submitted April 2, 2009.
- Interceptor Condition Assessment Phase 3 – In June, the project scope was negotiated for Phase 3. This project will go to the Board on July 13, 2009. Phase 3 ICA work is scheduled to begin in July. Phase 3 will concentrate on the following areas.
  - Mill Creek Trunk (Budget ID H09399) – FY10 CSSA Area.
  - Ohio River Interceptor (Budget ID H09400) – FY10 CSSA Area.
  - Upper Dry Run Trunk (Budget ID H09404) – FY10 CSSA Area.
  - Sneads Branch Relief (Budget ID H09402) – FY10 CSSA Area.
  - Lea Ann Way Interceptors (Budget ID H09398) – IOAP SSES Project.
  - Camp Taylor Interceptors (Budget ID H09407) – IOAP SSES Project.
  - Flood Protection System – COE inspection requirement.
- Fincastle Rehabilitation (Budget ID H09117) – The construction on this project was completed in April 2009. Work included CIPP lining of 410 linear feet of 8-inch diameter and 407 linear feet of 18-inch diameter sewer pipe. Final as-built drawings were received and capacity credits were calculated in April 2009.



- Edgewood Separation (Budget ID H09202) – This project was bid and awarded on April 24, 2009, and completed on June 16, 2009. Two access structures were installed over existing 8-inch diameter storm and sewer collection lines to allow CCTV inspection of the system. Once installed, MSD crews completed CCTV work. A new project scope was created to extend an existing rear alley sewer and abandon the existing sewer. All sewer connections to the drainage facility were located and will be disconnected as part of the new project. Final quantities have been determined and this project will be advertised in July 2009. Construction is scheduled to be complete this fall.
- Whipps Mill Basin (Budget ID H09202) – This project called for raising two manholes on the Middle Fork Interceptor to a height two foot above the flood plain along Middle Fork. Chimney seals will also be installed on both manholes. The manholes are located in the Whipps Mill Basin. Work was advertised April 15, 2009, and awarded on May 4, 2009. Work is scheduled to be completed by end of July, weather permitting.
- Sears Avenue Sewer Replacement (Budget ID A09501) - This project, located on Sears & Oechsli Avenues, will replace approx. 1,100 L.F. of an 8-inch diameter sanitary sewer that has a history of FOG issues. MSD staff completed the design in May 2009 and the project was advertised on June 19, 2009. During the next reporting period the project will be bid, awarded and construction will start.
- Anchor Estates Manhole Rehabilitation (Budget ID F08443) – Chimney seals and watertight manhole castings were installed on seven manholes as part of this project. Site re-grading was also completed on three manholes to direct water away from the manhole castings. Work was completed on April 10, 2009.
- Fairmount Road Manhole Rehabilitation (Budget ID F08444) – This project rehabilitated six manholes with the installation of a complete lining. This project was awarded on April 27, 2009 and completed on June 5, 2009. These manholes near the discharge of the Fairmount Road Pump Station had deteriorated down to the rebar.
- Manhole Inspection Program - MSD staff continue to inspect manholes. With wet weather, inspections have slowed. MSD will follow the GLPM FY10 schedule. Inspection data will be reviewed and manhole defects will be corrected as they are found.





- Bay Arbor and Cedar Forest Pump Station I&I Rehabilitation (Budget ID H09338) – Construction was completed on April 28, 2009. In this project, pressure injected grout was utilized to seal several wetwell barrel section joints.
- Goose Creek Pump Station (Budget ID F07070) and Lea Ann Way Pump Station (Budget ID F07069) Grinder Installations – The 100% project design has been submitted. Additional channel modifications at each site for better hydraulics have been proposed. The budget for these additional improvements has been approved. These projects will be bid during the next reporting period.
- Brandeis Viaduct #2 Pump and Controls Modifications (Budget ID F04192) – The 100% design has been submitted. This project will replace pump #2 and associated electric and control equipment. This project will be bid during the next reporting period.
- Meadow Stream ARV Replacement (Budget ID H09338) – This project completed the review of a 12-inch diameter force main and poor results from a pump draw down test. It was determined that the existing 2-inch diameter air release valves are too small for the 12-inch diameter force main. Nine new valves have been ordered. During the next reporting period, the project will be advertised, awarded and the new valves shall be installed. New draw down studies will be completed at the station to determine if capacity has been restored to design specifications.
- Fairmount Road Pump Station Expansion (Budget ID E00303) – Staff started collecting data in June 2009. The final design to expand the pump station to its ultimate design flow will start in July 2009.
- Woodlawn Park Pump Station Elimination (Budget ID F05039) – This pump station was taken offline March 31, 2009.
- Gorham Way Pump Station Elimination - Staff is currently researching possible elimination routes. Substantial rock will be encountered in all possible elimination routes; therefore various installation methods are being explored. Final design alternative, if feasible, will be completed during the next reporting period.
- Waycross Road Pump Station Elimination (Budget ID CO9062) - During this period, project design has been completed and MSD submitted the permit application for KDEP construction approval. This project should be under construction by next quarter. The project involves the elimination of the Waycross Road Pump Station and the installation of approximately 1,200 feet of 8-inch diameter gravity sewers.
- Lake Louisville Sanitary Sewers (Budget ID D98344) – The design contract is currently being negotiated. This project will involve the elimination of four pump stations - (Forest Springs, Bay Tree, Willow Cove and Cottages of Westport) and construction of approximately 5,550 linear feet of gravity line. The new system will be designed to serve approximately 1,100 single family homes in the Hite Creek WQTC service area. This is a joint effort between private development and MSD to eliminate these facilities.

- The Canoe Lane/Fairway Lane Pump Station Elimination (Budget ID F06298) -This project will allow for the elimination of the Canoe Lane and Fairway Lane Pump Stations. These pump stations contribute to capacity problems downstream, and the elimination of these pump stations will assist in the elimination of SSO's that currently exist downstream of these facilities. Currently this project is under design and is anticipated to be advertised and awarded during the next reporting period. The project is scheduled to be complete by April of 2010.
- The Lake Forest Pump Station, Force Main, and Interceptor (Budget ID E05509) - This project will allow for the elimination of the Berrytown, Starview, and Chenoweth Run WQTCs. Additionally, the St. Clair Drive and Arnold Palmer Pump Stations will be eliminated with this project. The effluent from these facilities will be directed to a proposed pump station that will pump into the existing Old Henry Force Main sending the wastewater to the Floyds Fork WQTC. The project will be under design during the next reporting period. This project is anticipated to be under construction in the spring of 2010 with construction complete by spring of 2011.
- Michael Edward Pump Station Elimination (Budget ID C07431) – This project installed 280 linear feet of 8-inch diameter sewer to eliminate this pump station. The construction phase of this project was complete on June 19, 2009.

#### Next Quarter

- The Neztex software will be tested with a target date of August 3, 2009, for moving to the production environment.
- The Request for Proposal for 15 SSES projects will be sent to the consultants and project negotiations will be held. Board approval is expected in July.
- MSD will also develop a Request for Proposal for time and material rehabilitation construction, both to be based on a fiscal year schedule and budget. This will start work for Fiscal Year 2010.
- MSD will continue to complete rehabilitation work and report accordingly.
- MSD continues to work on the procedures for documentation of rehabilitation and calculation of credits.

#### **M-E-10 Engineering Programs (System Capacity Assurance Program)**

##### This Quarter

- The determination of the fee schedule related to inflow and infiltration elimination costs was approved by the Board. A standardized fee is now consistently assessed to new sewer capacity requests in order to partially support MSD's effort to reduce I/I into its separate sanitary sewer system.
- The tracking of Pump Station capacities has been enhanced and testing results have been reviewed along with actionable items pertaining to deficiencies. The results of this effort are being documented on each station asset within the Hansen system.

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Next Quarter

- Treatment plant capacities and new development flows will continue to be tracked in accordance with the SCAP, as previously described. Report recommendations and budget needs for pump station capacity will be refined and remedial actions will be initiated. A credit evaluation will be completed for each credit catchment and balanced with approved new flows.
- Development of a training module is nearing completion and training dates will be scheduled for staff. Additional GIS information and reports related to sewer capacity will be published or updated and made available to general personnel. Credit calculation protocols and tracking in Hansen will be evaluated and a process will be written. An update to the SCAP planning document will also be initiated to adjust the program's details and direction as new or altered activities are encountered as the plan is implemented.

**M-H-1 Equipment and Tools Management Programs (Spare Parts Inventory Management Program)**

This Quarter

- Developed time line and SAP contact team with MSD IT personnel and Storeroom personnel to begin bar code system for inventory management. Kick-off meeting is scheduled for 4th quarter of 2009.
- New Metro Coordinator being trained to control spare parts, environmental issues and administrative matters for Storeroom issues at the East & Central Plants. This person is located at Hite Creek WQT C.
- The annual physical inventory completed with success and plan for better processes by 2010.
- Still working out SAP problems with automatic cycle counting process. Hite Creek inventory needed to be completed and need to set up separate plant locator for better utilization of process.
- Developed Standard Operating Procedures for Annual Inventory and presented to internal auditor for approval.
- Started to sample new environmentally friendly air freshener products for installation at all plants to control odor.
- Implemented cost savings initiatives with janitorial supplies for all divisions at MSD. This should be completed by next quarter to present with bid package.
- Started a reorganization of the CMF Storeroom area for future quality improvements with lean manufacturing principles: relocate service counter to better serve customers at both gates, incorporate a receiving staging area, install warehouse bulk racking for larger purchasing of commodities to save freight charges, and use vertical space for extra long inventory.
- Testing filtration system to replace stone bags around SSO catch basins at CMF. This would not only provide cost savings with labor costs and materials, but would increase filtration of contaminants from entering the sewer system.

- Participated in environmental inspection with Metro Operations to assess spill containment and recycling of chemicals and oils for all locations.

Next Quarter

- Begin phase one of cycle counting.
- Installation of warehouse bulk racking at CMF and Hite Creek.
- Continue environmental assessment of chemical and oil clean-up at Metro Operations and MFWQTC.
- Complete cost savings initiatives with janitorial supplies for all divisions at MSD for bid package.
- Begin planning of odor control and vegetation improvements at CMF.
- Continue testing filtration options for SSO at CMF.

**M-H-3 Equipment and Tools Management Programs (Vehicle Repair Management Program)**

This Quarter

During this period Fleet executed 1576 work orders.

- 259 were for tire repairs
- 36 were accident related
- 370 were preventive maintenance
- 94 were for fluids
- 769 were corrective
- 48 were for additional repairs

Next Quarter

- The conversion project to implement new software for fleet management will begin.

**M-J-2 Legal Support Programs (Ordinances)**

This Quarter

- The Amended Consent Decree was signed on April 10, 2009, and filed on April 15, 2009. The Project WIN website has been updated with the new document.

Next Quarter

- MSD will continue to work on the redraft of the Private Property Ordinance working with Metro Council Members to have this ordinance considered.

**M-K-1 Water Quality Monitoring Programs (Routine Water Quality Monitoring Programs)**

This Quarter

- MSD continued to improve the accessibility of data reported to the SCADA system for

pump station and Real Time Control information as well as standardize various environmental data sets in preparation for integrated data querying and display through an upcoming SharePoint site. A Request for Proposal to develop an environmental data website through Sharepoint was issued.

- Macroinvertebrate and habitat monitoring was performed on MSD's Long Term Monitoring Network stream sites and results will be forthcoming in the next quarter.

#### Next Quarter

- MSD will continue to work on improving and broadening staff access to the Laboratory Information Management System (LIMS), the Plant Information System (PI), sonde data and sewer flow data.
- A draft work plan will be enhanced to further the successful implementation of the Post Construction Compliance Monitoring Plan as described in the June 19, 2009 re-submittal of the Integrated Overflow Abatement Plan
- Review meetings for MSD's bi-annual water quality synthesis report will also be held in preparation for completion by December 31, 2009.

### **5.2.2 Operations Programs**

#### **O-A-1 Pump Station Operations Programs (Routine Operating Programs)**

#### This Quarter

- The draft Standard Operating Procedures (SOP) for Flood Pumping Stations, that require operational changes to eliminate dry weather overflows, was completed June 30, 2009.
- MSD Regulatory Services staff met with Operations staff to determine capital project priorities and the budgetary needs.
- MSD placed an order for an ISCO 4501 Pump Station Flow Monitor. This device will streamline pump station draw down efforts. The meter was delivered April 8, 2009, and MSD received manufacturer training on April 23, 2009. The unit was taken to trial evaluations at the Fairmount Road Pump Station. The unit was determined to have a faulty circuit board by the manufacturer during set-up. The unit was repaired and returned to MSD in June 2009.

#### Next Quarter

- MSD will finalize the SOPs for the flood pump stations that will eliminate dry weather overflows without necessary pump station modifications. A meeting is scheduled August 10, 2009, for USACE approval to the proposed operations and "Idle Mode" gate automation changes to the FPS. If the revised SOPS are approved, meetings will begin with I&FP to start implementing these changes.
- MSD Regulatory Services 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



- A master draw down pump station database with all test results will be analyzed and an action plan will be developed for the pump stations that have performance issues. Rehab projects will be prioritized from this database. This will also be coordinated with the Greenline and Emergency Generator Programs.
- MSD will test the ISCO 4501 Pump Station Flow Monitor at the Meadow Stream and Fairmount Road Pump Stations to assessment the unit. This testing will also be used to determine the effectiveness of the Meadow Stream PS project that replaced the 10 air valves. Data will be collected to determine the effectiveness of the flow monitor for use in the pump station draw down program.

#### **O-A-2 Pump Station Operations Programs (Emergency Operating Programs)**

##### **This Quarter**

- Greenline Analysis - MSD received the final TM-2 for Greenline - Central Region analysis. This technical memo documents field home lowest opening elevation surveys and confirmed pump station as-constructed information. This information will be analyzed and recommendations prepared for operation and pump station changes to prevent home flooding. This information was previously presented in TM-1 for the East Region. The TM was started for the West Region Stations and will be submitted during the next reporting period.
- Emergency Generator Phase 3 (Budget ID H09337) - Staff has completed the selection of 30 pump station sites, 10 for each of the three (East, Central and West) Metro Operations regions, for this phase. Bid documents have been created.

##### **Next Quarter**

- Greenline Analysis - The Greenline program will continue. MSD will review the TM for the findings on the East and Central group and continue the analyses of the West group. An analysis of pump stations that are in need of generators due to power outages, overflows, or mechanical issues will also be performed.
- Emergency Generator Phase 3 - During July 2009, the sites will be reviewed and narrowed down to five sites for each region. Quantities and electrical information will be obtained. Projects will be advertised by August 31, 2009. Staff also selected four mobile generators. This procurement will be coordinated with MSD's Purchasing Department.

#### **O-D-1 Grease Trap Inspection and Enforcement Program (Permitting Program)**

##### **This Quarter**

- MSD conducted reconnaissance at FOG "hot spot" locations along with concurrent inspections of online FSE grease control equipment (GCE).
- MSDs IWD department issued 24 enforcement actions against Food Service Establishments (FSE) for FOG violations found during reconnaissance inspections.
- MSD's IWD Department sent out 273 FOG residential public outreach letters to three areas that had FOG issues during this reporting period.

- Drafted Food Service Establishment (FSE) personnel educational outreach module.

Next Quarter

- MSD will conduct reconnaissance at FOG “hot spot” locations along with concurrent inspections of online FSE grease control equipment (GCE). MSD will issue enforcement actions against any FSE for FOG violations found during reconnaissance inspections.
- MSD will hold the next round of Certified Hauler/Plumber Training.
- MSD will send educational materials to Food Service Establishments (FSE) in the MSD service area.

**O-F-1,2 Flow Monitoring Field Operation Programs (Permanent Stations; Temp Stations)**

This Quarter

- An expanded long term sewer flow monitoring network and telemetry system is under development in support of the post construction compliance monitoring plan being developed as part of the IOAP, the SCAP being implemented as part of M-E-10, and others. This system will enhance MSD’s ability to remotely monitor field data from collection equipment and equipment battery power as well as supplement the ability of the MSD Operations
- MSD selected the telemetry technology to be used in the expanded flow monitoring program as well as the final sites and flow meter types to be used in the project. The communications with 18 CSO meters and local set up of the flow data enterprise software and cellular accounts were initiated.

Next Quarter

- Flow meters are being added as assets in the Hansen system to better track the location and history of these assets. All remote communication equipment for the new long term network will be ordered along with the 40 new flow meters for this network. Installation of the equipment at the new sites will begin and testing of the flow data software will be completed on MSD’s system. Event notification testing from this system will also begin.

**5.2.3 Maintenance Programs**

**S-A-1,2 & 3 Pump Station Preventive Maintenance (Electrical; Mechanical; Physical)**

This Quarter

- MSD continued the process of updating its preventive maintenance and inspection plan for its flood pump stations based on a review of the USACE Inspection Guide. Staff has started to use the Hansen asset management system to track Flood Pump Station work orders as well as associated flood pump station assets such as station related flood gate valves.
- Metro Operations staff that maintains sewer lift stations and small water quality treatment centers had more Hansen training for the migration to Hansen. Lift station equipment and preventive maintenance task lists have been added to the Hansen Inventory database and a model for the WQTC inventory has been developed.

Next Quarter

- MSD will continue the process of converting its pump station CMMS to Hansen and enhancing the use of Hansen for Flood Pumping Stations.
- Additional training will be held in July for Metro Operations staff so they will become more familiar with Hansen. Implementation of sewage pumping station preventive and corrective maintenance tracking in Hansen should be moved to production in the next quarter.
- The water quality treatment centers inventory build out strategy will be completed and inventory input will start.

**S-B-1 & 2 Force Main Preventive Maintenance (Air Release Valves, Valve Exercise Program)**

This Quarter

The following force main inspections were completed:

- 4/8/09: Adams Run #1, Fairmount Road, Bardstown Road, Arbor Creek
- 5/13/09: Cinderella, Cooper Chapel
- 5/19/09: Covered Cove, Fairway View, Gunpowder
- 6/2/09: Bay Harbor, Farmview Plaza
- 6/10/09: Lake Forest, St. Patricks, Worthing Court, Eastwood-Fisherville
- 6/23/09: Caven Avenue, Industrial

Several adjustments were made to the inspection schedule to accommodate PS eliminations, access issues, problem areas and location.

Next Quarter

The following force mains are scheduled for inspection.

- 7/1/09: Jarvis Lane, Mockingbird Valley
- 7/7/09: Brandywyne, Dominion
- 7/15/09: Berrytown, Crossgate, Denbeigh
- 7/22/09: Edith Avenue
- 9/09/09: Apple Patch, Cypress Station, Bluegrass Fields

**S-C-1, 2, 3 & 4 Gravity Line Preventive Maintenance (Routine Hydraulic Cleaning, Routine Mechanical Cleaning, Root Control Program, Manhole Preventive Maintenance)**

**This Quarter**

- The Gravity Sewer PM program was outlined for I&FP. MSD staff continues to work in catchment areas in Hite Creek and Cedar Creek.
- During this time MSD chemically treated 252 line segments and cleaned 2653 line segments. MSD also performed condition assessment using CCTV with PACP codes on 517 line segments.
- I&FP has selected a contractor to assist with the Gravity Line Preventive Maintenance Program.

**Next quarter**

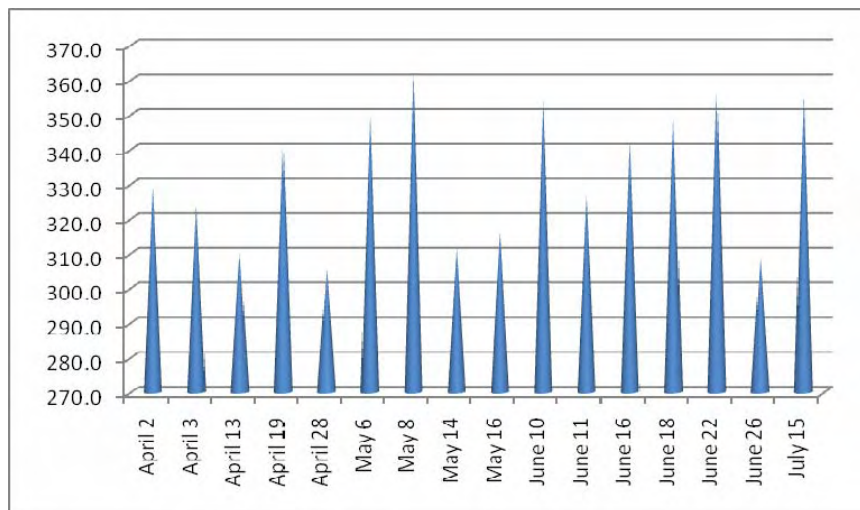
- I&FP will issue a NTP to their contractor for the first area.



## SECTION 6: Project WIN Program Activities for Water Quality Treatment Centers

### 6.1 Morris Forman Water Quality Treatment Center

- There were 16 days during this quarter where the peak flow was over 300 MGD at Morris Forman WQTC. There were no KPDES permit violations at Morris Forman WQTC during this reporting period. It should also be noted that the violations listed in January, due to the ice storm, are being removed by the State.



**Morris Forman WQTC – Flows over 300 MGD**

### 6.2 Jeffersontown Water Quality Treatment Center

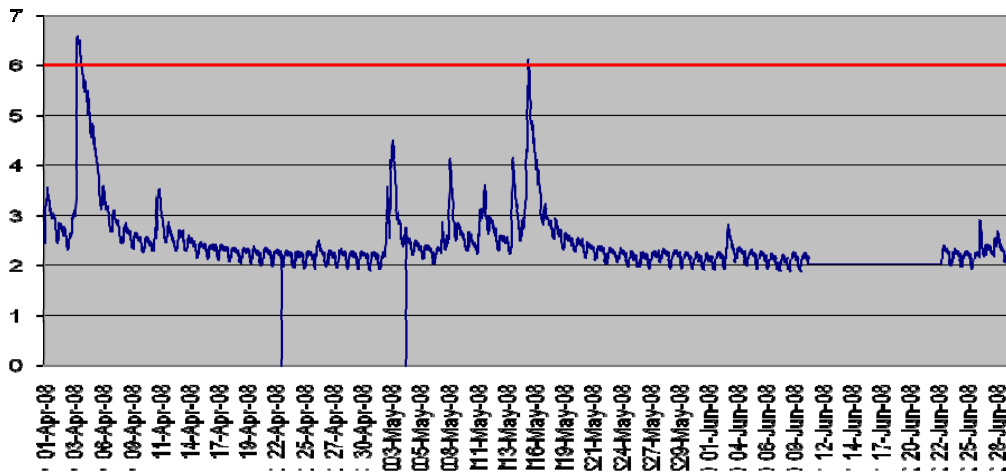
MSD submitted a Jeffersontown WQTC Process Control Program on October 31, 2008, as required by paragraph 26.a of the Amended Consent Decree. MSD received comments on December 12, 2008, and resubmitted the plan January 16, 2009 and again on February 20, 2009. MSD received conditional approval of this document from EPA on April 1, 2009, pending finalization of the Amended Consent Decree that was under consideration by the Federal Court at the time the Process Control Program was submitted.

- Training on the Process Control Program was completed March 12, 2009, and the Program entered the initial implementation phase immediately thereafter. Following the initial 30-days of operation an evaluation of the initial implementation was conducted and a review memo issued May 15, 2009. The review determined that no changes were required in the basic process control strategy, but upgrades to computer systems at the WQTC and the establishment of automated data links between the Process Control Spreadsheet and the Laboratory Information Management System (LIMS) were



recommended. A similar link with the PI data management system was also recommended. Pending completion of the automated data links, a parallel manual calculation of process control parameters will continue, to ensure that manual data entry time demands do not interfere with effective process control protocols being followed at the WQTC.

- There were seven blending events reported at the Jeffersontown WQTC during this period on April 3, April 19 & 20, May 8, June 10, June 11, and June 18, 2009. The total blended amount, from all events, reported and documented on the Project WIN webpage was 3,977,920 gallons.
- Peracetic acid testing will continue at the Jeffersontown WQTC.
- Two inspection routes were run for the Jeffersontown siphon during this reporting period.



### Jeffersontown Siphon Log

The following activities will occur in the next quarter:

- Although no changes have been recommended for the process control plan strategies or tools, MSD Metro Operations staff will be re-trained on the manual input of LIMS data, as an interim measure pending establishment of the automated data transfer links.

### **6.3 Hite Creek Water Quality Treatment Center**

A waste load allocation request for the Hite Creek WQTC was submitted to the Division of Water on March 30, 2009. This allocation is necessary to allow elimination of the Prospect Area WQTCs by December 15, 2015, as required by the Amended Consent Decree. Approval for this new allocation was received from the DOW on June 10, 2009.

#### 6.4 Floyds Fork Water Quality Treatment Center

MSD has received a Preliminary Engineering Report for the expansion of the Floyds Fork WQTC to an average daily design flow of 9.75 MGD. MSD will move forward on the final design once a requested waste load allocation is completed by KDEP.

#### 6.5 Derek R. Guthrie Water Quality Treatment Center

Work is nearly complete on the project to repair influent pumps 3A and 4A.



#### 6.6 Prospect Water Quality Treatment Centers

The elimination plan for the five WQTCs serving Prospect (Hunting Creek North, Hunting Creek South, Ken Carla, Shadow Wood and Timberlake) was submitted to EPA and KDEP on March 31, 2009. MSD is waiting on approval of this plan.

- Prospect Phosphorus Removal – MSD conducted internal meetings to explore opportunities to enhance the phosphorus removal within the treatment processes. MSD is exploring methods to improve calibration of ortho phosphorus concentrations. Effluent testing in April 2009 showed that each of the five Prospect WQTCs were below the 1.0 mg/l effluent limit.

- The phosphorus monitoring data, including the calculation of monthly averages are shown in **Appendix G**.

#### **6.7 Starview Water Quality Treatment Center**

Staff is working with Metro Operations to rehabilitate and install an existing 80 KW generator (from the eliminated Polo Fields site) at the Starview WQTC. During July, a contractor is scheduled to move and install the generator at the new site. MSD staff will complete the necessary electrical modifications required to utilize this generator.

#### **6.8 Discharge Monitoring Reports**

In July 2008, MSD started posting, on the Project WIN website, a Discharge Monitoring Report (DMR) packet for each WQTC. Historical DMR data are available back through January 2007. The new DMR packets include the DMR, Monthly Operating Report (MOR), discharge report and the 5-day follow up letter for any bypass events that occurred during that period.

The information on the DMRs may be found at [www.msdlouky.org/projectwin](http://www.msdlouky.org/projectwin) in the section labeled Wastewater Treatment Plant Reports.

Staff continues to be trained on the DMR process. DOW conducted a training session for MSD staff on June 3, 2009. Six MSD staff attended.

MSD continues to work towards the submittal of electronic DMRs. This will require coordination with the State as well as upgrades to the LIMS system and the modification to internal tools. The LIMS upgrade is currently scheduled to begin in September 2009.

#### **6.9 Comprehensive Performance Evaluations and Composite Correction Plans**

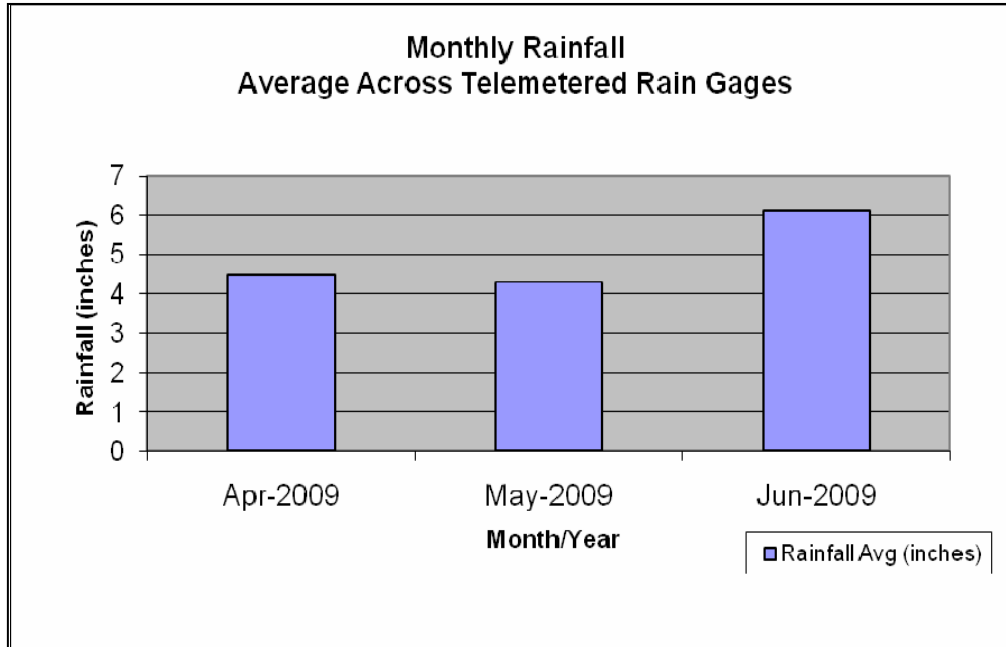
In accordance with paragraphs 26.b and 26.c of the Amended Consent Decree, MSD submitted the required Comprehensive Performance Evaluations and Composite Correction Plans as part of the IOAP on December 19, 2008. Based on comments MSD received from EPA/KDEP, these plans were re-submitted as part of the IOAP Volume 1 on June 19, 2009.

- The CPE projects for the Jeffersontown WQTC are scheduled to start in the next reporting period.

## SECTION 7: Performance Overview

### 7.1 Rainfall

The number and the volume of wet weather overflows are directly related to the amount of rain that has fallen during the reporting period. The following graph shows the Jefferson County average rainfall amounts for the last quarter. Data was pulled from MSD's Rain Gages.



### 7.2 Unauthorized Discharges to Waters of the United States

**Appendix B-1** 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 Amended 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).

There were 86 unauthorized discharges this reporting period. 9 were reported during dry weather and 77 were wet weather related.

An analysis of the 9 dry weather unauthorized discharges was performed.

- 1 was a structural failure of a force main
- 3 occurred at pump stations
- 2 occurred at treatment plants (bypass)
- 2 were associated with obstructions in a manhole

- 1 was associated with the operation of a Flood Pump Station

An analysis of the 77 wet weather unauthorized discharges was also performed.

- 13 were pumped overflows
- 7 were blending events at Jeffersontown WQTC
- 6 were bypass events at various WQTCs
- 6 were due to LG&E power failures
- 3 were due to electrical problems on MSD
- 42 were system capacity issues at MHs and pump stations

### 7.2.1 Bypass Events at Water Quality Treatment Centers

Included in **Appendix B-2** is a report that lists the details of the 8 bypasses that occurred at water quality treatment centers (WQTC) during this reporting period. Bypasses were reported for the following WQTCs:

- Chenoweth Hills (MSD0263) - KPDES Permit Number KY0029459
- Starview (MSD0247) - KPDES Permit Number KY0031712
- Floyds Fork (MSD0294) (2) – KPDES Permit Number KY0102784
- Cedar Creek (MSD0289) – KPDES Permit Number KY0098540
- Derek R. Guthrie (MSD0277) - KPDES Permit Number KY0078956
- Jeffersontown (MSD0255) (2) – KPDES Number KY0025194

### 7.2.2 Blending Events

Included in **Appendix B-3** is a report that lists the seven blending events that occurred at the Jeffersontown WQTC during this quarter. The blending events, as posted on the Project WIN website, started on April 3, April 19 & 20, May 8, June 10, June 11, and June 18, 2009.

### 7.2.3 Dry Weather CSOs

During this reporting period there was one Dry Weather overflows from a permitted CSO location. This occurred on May 10, 2009, at CSO22 because of the operation of the 4<sup>th</sup> Street Flood Pump Station. MSD was in flood pumping mode during dry weather due to high river elevations.

### 7.3 Overflows to Ground

MSD recorded 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 Amended Consent Decree. These overflows will be included in the FY 2009 Annual Report for the period of July 1, 2008, through June 30, 2009.



## 7.4 Overflows to Interior

MSD recorded 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 Amended Consent Decree. These overflows, that are the result of an issue in the main line, will be included in the Annual Report for the period of July 1, 2008, through June 30, 2009.

## 7.5 CSO Reductions

**Appendix C** includes an updated version of the modeled Annual Average Overflow Volume (AAOV) for the permitted CSOs.

In addition, the new InfoWorks model has identified additional CSOs that have AAOVs exceeding 10 million gallons per year due to additional model detail and a revised typical rainfall year. These additional CSOs are as follows: CSO153, CSO149, CSO121, CSO119, CSO105, CSO97, CSO84, CSO58, CSO55, CSO50, CSO23, CSO18, CSO16, and CSOs discharging to Sneads Branch Relief (combined AAOV). These CSOs will be fitted with appropriate monitoring equipment and identical Telog equipment as the long term sewer network monitors and will report to the new flow data site by the end of 2009. Procurement activities to acquire the necessary equipment and services for installation will begin during the next quarter.

One project was completed during this reporting period that impacted permitted CSOs.

- Willow Pond Disconnection (Budget ID B08518) - This project disconnected the Willow Pond overflow structure from the CSS. Stormwater overflowed from the pond to CSO 127 and contributed 2.9 MG of Annual Average Overflow Volume (AAOV). This project installed a 24-inch diameter relief storm line between Willow Pond (at corner of Lexington Road & Grinstead Drive) and Beargrass Creek. The construction of this project was completed on June 1, 2009.

The following activities occurred over the reporting period related to CSO monitoring.

The CSO data for this quarter from April 1, 2009, through June 30, 2009, is included in **Appendix D**. MSD has changed the format



of this data from that submitted in previous reports. The CSO data for each monitored overflow has been graphed along with rainfall information from the nearest rain gauge to facilitate review of the overflows that occurred.

- Batteries are tested before installation and the CSO flow monitoring sites are inspected every three weeks. Batteries are replaced every 90 days or when the voltage falls below four. The flow meter at CSO127 experienced communication failure from June 16, 2009 to June 30, 2009. The flow meter was replaced and the site is now up and running. The flow meter at CSO108 experienced a telemetry failure from May 5, 2009 to June 3, 2009. Maintenance has been performed and the site is now up and running.
- In the next quarter, MSD will coordinate event notifications from the new Telog telemetry system to immediately notify MSD staff by e-mail and/or text message when battery power drops below the specified levels needed to operate or a CSO discharges.
- The rehabilitation project to eliminate the infiltration at CSO108 was completed April 30, 2009. In addition, pump programming changes were made to route any residual groundwater into the relief sewer rather than the overflow line to the stream.

## 7.6 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 following projects that impacted SSOs were completed during this reporting period:

- Woodlawn Park Pump Station Elimination (Budget ID F05039) – This pump station was taken offline on April 23, 2009. This project eliminated SSO's at the pump station and on Falgate Court.
- Floyds Fork Interceptor/Midland Trail Cleaning Project (Budget ID S09097) – This project involved heavy cleaning of 100 LF of 54-inch sewer. The work was completed on March 9, 2009. The removal of the blockage and the cleaning has the potential to eliminate the SSO at the Midland Trail Golf Course. Monitoring of this site occurred during this reporting period and no overflows were observed.
- Goldsmith Lane/Buechel Branch Interceptor Rehabilitation Project Phase I (Budget ID H07296) - This project involved the heavy cleaning of 3,486 LF of 30 inch and 252 LF of 36 inch interceptor. The project was completed on December 21, 2008. The removal of a 90% root blockage and the cleaning has the potential to eliminate SSOs on Pruitt Court at eight manholes. Monitoring of this site occurred during this reporting period and no overflows were observed.

## 7.7 Phosphorus Monitoring at the Prospect WQTCs

As part of the Amended Consent Decree, MSD has agreed to submit phosphorus monitoring data including the calculations of monthly averages with the quarterly reports. See **Appendix G** for this quarter's report.



**Consent Decree Quarterly Report #15**  
**April 1, 2009 – June 30, 2009**

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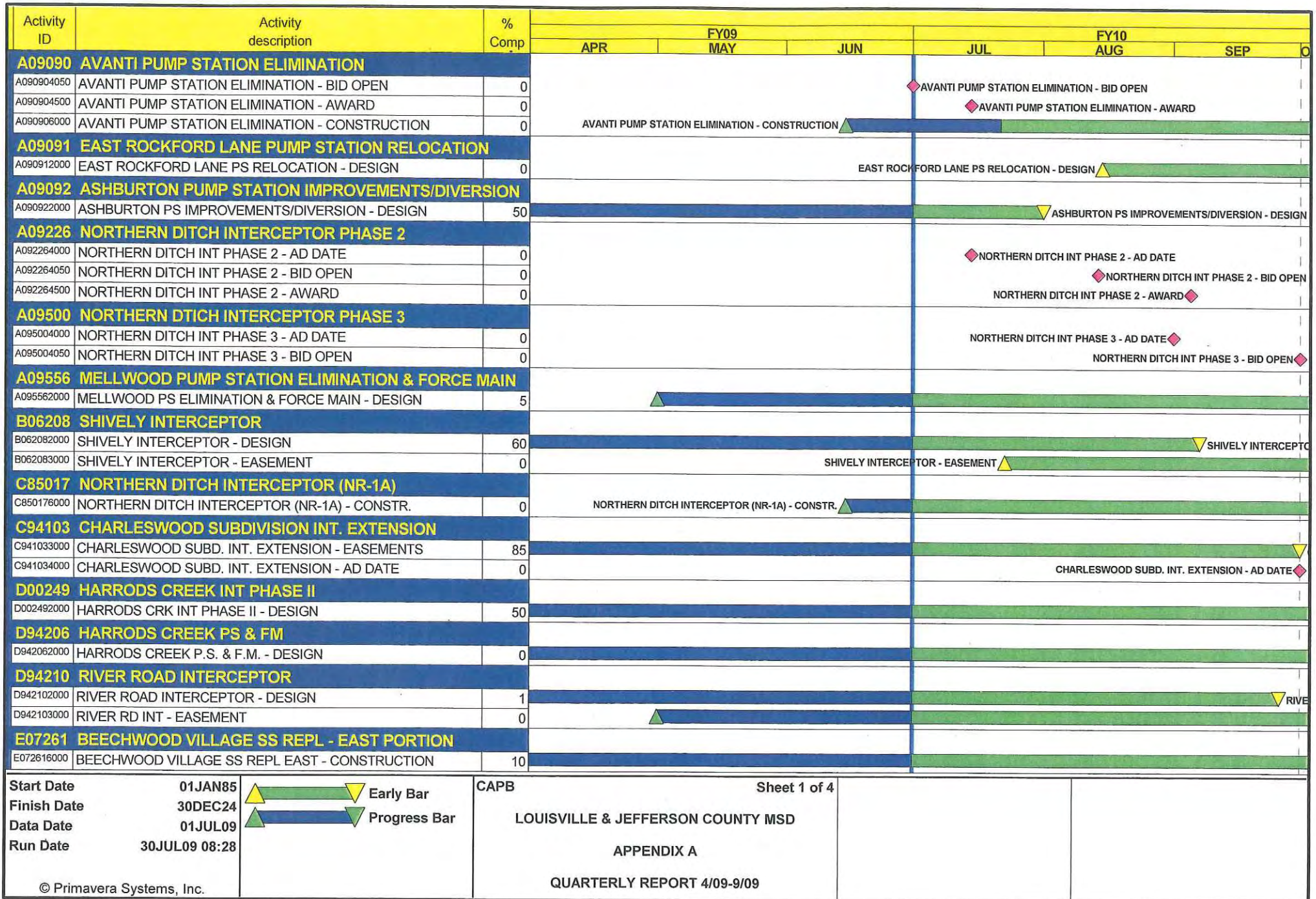
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July 30, 2009



Appendix A – Activity Schedules









Activity ID	Activity description	% Comp	FY09			FY10		
			APR	MAY	JUN	JUL	AUG	SEP
<b>E08034 BEECHWOOD VILLAGE SS REPL - WEST PORTION</b>								
E080344500	BEECHWOOD VILLAGE SS REPL WEST - AWARD	0				◆ BEECHWOOD VILLAGE SS REPL WEST - AWARD		
E080346000	BEECHWOOD VILLAGE SS REPL WEST - CONSTRUCTION	0	BEECHWOOD VILLAGE SS REPL WEST - CONSTRUCTION					
<b>H06302 WCWTP:WW FLOW EQUALIZATION &amp; TREATMENT</b>								
H063022000	WCWTP: WW FLOW EQ & TREATMENT - DESIGN	0						
<b>H07286 HIKES POINT INTERCEPTOR</b>								
H072862000	HIKES POINT INTERCEPTOR - DESIGN	0						
H072863000	HIKES POINT INTERCEPTOR - EASEMENTS	0	HIKES POINT INTERCEPTOR - EASEMENTS					
<b>H07287 HIKES POINT RELIEF EFFORT</b>								
H072873000	HIKES POINT RELIEF SEWER EFFORT - EASEMENTS	0	HIKES POINT RELIEF SEWER EFFORT - EASEMENTS					
<b>H07288 BUECHEL SURGE BASIN</b>								
H072882000	BUECHEL SURGE BASIN - DESIGN	0	BUECHEL SURGE BASIN - DESIGN					
H072883000	BUECHEL SURGE BASIN - EASEMENTS	95	BUECHEL SURGE BASIN - EASEMENTS					
<b>H08357 SINKING FORK INTERCEPTOR RELIEF SEWER</b>								
H083576000	SINKING FORK INTERCEPTOR RELIEF SEWER - CONSTR	40						
H083576900	SINKING FORK INTERCEPTOR RELIEF SEWER-SUBST COMP	0	SINKING FORK INTERCEPTOR RELIEF SEWER-SUBST COMP					
H083578050	SINKING FORK INTERCEPTOR RELIEF SEWER-CD CERTIFY	0	SINKING FORK INTERCEPTOR RELIEF SEWER-CD CERTIFY					
<b>H08358 SOUTHEASTERN INTERCEPTOR RELIEF SEWER</b>								
H083582000	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - DESIGN	15						
H083583000	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - ESM'TS	0	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - ESM'TS					
<b>H08477 4TH STREET FPS DWO ELIMINATION</b>								
H084774000	4TH ST FPS DWO ELIMINATION - AD DATE	0	4TH ST FPS DWO ELIMINATION - AD DATE					
H084774050	4TH ST FPS DWO ELIMINATION-BID OPEN	0	4TH ST FPS DWO ELIMINATION-BID OPEN					
<b>H08478 34TH STREET FPS DWO ELIMINATION</b>								
H084784000	34TH ST FPS DWO ELIMINATION -AD DATE	0	34TH ST FPS DWO ELIMINATION -AD DATE					
H084784050	34TH ST FPS DWO ELIMINATION - BID OPEN	0	34TH ST FPS DWO ELIMINATION - BID OPEN					
<b>H09121 I-64 &amp; GRINSTEAD STORAGE BASIN</b>								
H091212000	I-64 & GRINSTEAD STORAGE BASIN - DESIGN	0	I-64 & GRINSTEAD STORAGE BASIN - DESIGN					
<b>H09124 PADDY'S RUN WET WEATHER TREATMENT FACILITY</b>								
H091242000	PADDY'S RUN WW TREATMENT FACILITY - DESIGN	0	PADDY'S RUN WW TREATMENT FACILITY - DESIGN					
<b>H09128 CSO 108 DAM MODIFICATIONS</b>								
H091282000	CSO 108 DAM MODIFICATIONS - DESIGN	0	CSO 108 DAM MODIFICATIONS - DESIGN					
H091283000	CSO 108 DAM MODIFICATIONS - EASEMENT	0	CSO 108 DAM MODIFICATIONS - EASEMENT					

Start Date 01JAN85  
 Finish Date 30DEC24  
 Data Date 01JUL09  
 Run Date 30JUL09 08:29

 Early Bar  
 Progress Bar

CAPB

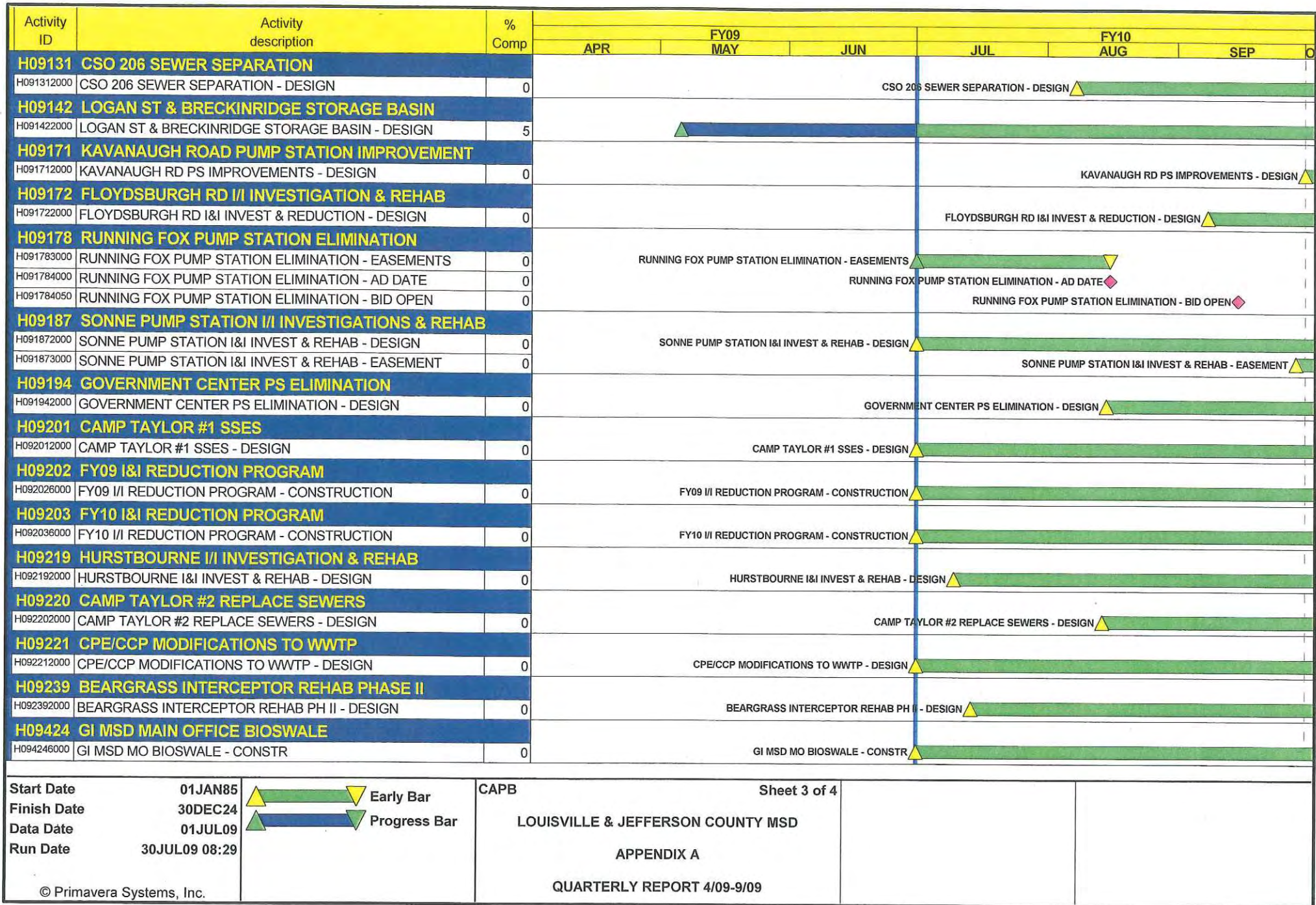
Sheet 2 of 4

LOUISVILLE & JEFFERSON COUNTY MSD

APPENDIX A

QUARTERLY REPORT 4/09-9/09







Activity ID	Activity description	% Comp							
			APR	FY09 MAY	JUN	JUL	FY10 AUG	SEP	O
<b>H09425 GI 7TH &amp; CEDAR PARKING LOT</b>									
H094256000	GI 7TH & CEDAR PARKING LOT - CONSTRUCTION	0							
<b>H09426 GI 2ND &amp; BROADWAY PARKING LOT</b>									
H094266000	GI 2ND & BROADWAY PARKING LOT - CONSTR	0							
<b>H09427 GI 3RD &amp; ORMSBY BIOSWALE</b>									
H094276000	GI 3RD & ORMSBY BIOSWALE - CONSTRUCTION	0							
<b>H09428 GI 6TH &amp; MUHAMMAD ALI PARKING LOT</b>									
H094286000	GI 6TH & MUHAMMAD ALI PARKING LOT - CONSTRUCTION	0							
<b>H09429 GI 6TH &amp; BROADWAY RAIN GARDEN</b>									
H094296000	GI 6TH & BROADWAY RAIN GARDEN - CONSTRUCTION	0							
<b>H09430 GI 17TH &amp; HILL ALLEY</b>									
H094306000	GI 17TH & HILL ALLEY - CONSTRUCTION	0							
<b>H09431 GI 7TH &amp; MARKET ALLEY</b>									
H094316000	GI 7TH & MARKET ALLEY - CONSTRUCTION	0							
<b>H09432 GI CAMPBELL &amp; MAIN ALLEY</b>									
H094326000	GI CAMPBELL & MAIN ALLEY - CONSTRUCTION	0							
<b>H09433 GI 12TH &amp; JEFFERSON STREET</b>									
H094336000	GI 12TH & JEFFERSON GREEN STREET - CONSTRUCTION	0							
<b>H09562 DRGWQTC: BLOWER PACKAGE</b>									
H095626001	DRGWQTC: BLOWER PACKAGE - BLOWER PURCHASE	0							
<b>H10039 GI ADDITIONAL RAIN GARDEN PH 1 FY10</b>									
H100396000	GI ADD'L RAIN GARDENS PH 1 FY10 - CONSTRUCTION	0							
<b>H10040 GI ADDITIONAL RAIN GARDEN PH2 FY10</b>									
H100406000	GI ADD'L RAIN GARDENS PH 2 FY10 - CONSTRUCTION	0							
<b>I05056 INTEGRATION OF SWPS/MDS/MFWTP TO RTC</b>									
I050566000	INTEGRATION OF SWPS/MDS/MFWTP TO RTC-CONSTR.	99							

Start Date 01JAN85  
 Finish Date 30DEC24  
 Data Date 01JUL09  
 Run Date 30JUL09 08:29

 Early Bar  
 Progress Bar

CAPB Sheet 4 of 4  
 LOUISVILLE & JEFFERSON COUNTY MSD  
 APPENDIX A  
 QUARTERLY REPORT 4/09-9/09

Appendix B-1 - Discharge Work Orders – Waters of the United States



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

<b>KPDES #</b> KY0022420	<b>Facility ID</b> MSD0202	<b>Water Quality Treatment Center</b> HITE CREEK	<b>Receiving Stream of Treatment Center</b> HITE CREEK	<b>Region</b> EAST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 108958	<b>Facility Address</b> 7302 FLOYDSBURG RD	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> FLOYDS FORK	<b>Discharge to</b> CATCH BASIN
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<u>Activity Code / Description</u> DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> 905966	<u>Initiated</u> 05/08/09 05:50 PM	<u>Initiated By</u> MARKS JR	<u>Assigned To</u> DUNN JR	<u>Disch Status</u> DOCUMENTED	<u>Status Date</u> 07/31/08	<u>Problem</u> LACK OF SYSTEM CAPACITY	<u>Result</u> UNAUTHORIZED DISCHARGE - WATERS	<u>Completed</u> 05/09/09 01:00 AM	<u>Condition</u>
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**Spot Inspections:**

Discharge Amount:	15,900 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO DEBRIS, JUST WASTEWATER
Repair:	STORM FLOW RECEEDED

**Notifications:**

05/08/09 07:50 PM	DISPUB	public notified by signs posted and msd website
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





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

<b>KPDES #</b> KY0031712	<b>Facility ID</b> MSD0247	<b>Water Quality Treatment Center</b> STARVIEW	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 31122	<b>Facility Address</b> 423 BERMUDA LN	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> CHENOWETH RUN	<b>Discharge to</b> GROUND
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<b>Activity Code / Description</b> DISREV: RAIN EVENT DISCHARGE	<b>WO #</b> 921154	<b>Initiated</b> 06/18/09 02:17 PM	<b>Initiated By</b> ELDER	<b>Assigned To</b> VIERLING	<b>Disch Status</b> REPAIRED - ISSUE RESOLVED	<b>Status Date</b> 06/18/09	<b>Problem</b> POWER OUTAGE (LG&E)	<b>Result</b> UNAUTHORIZED DISCHARGE - WATERS	<b>Completed</b> 06/18/09 03:00 PM	<b>Condition</b>
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**Spot Inspections:**

Discharge Amount:	1,075 GAL
Cause:	LOSS OF LG&E POWER DUE TO STORM IN THE AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED AROUND THE EFFECTED AREA
Impact:	SEWAGE OBSERVED ON THE GROUND
Repair:	PLACED GENERATOR TO RESTORE POWER

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 02:17 PM	DISPUB	Temporary signs posted
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0031712 (Cont'd)	<b>Facility ID</b> MSD0247	<b>Water Quality Treatment Center</b> STARVIEW	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SPL Sewer Treatment Plant	MSD0247	423 BERMUDA WAY		CHENOWETH RUN	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921140	06/18/09 02:17 PM	ELDER	VIERLING	REPAIRED - ISSUE RESOLVED	06/18/09	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 03:00 PM	

**Spot Inspections:**

Discharge Amount:	1,075 GAL
Cause:	LOSS OF POWER FROM LG&E THUNDER STORM
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS
Impact:	SEWAGE ON THGE GROUND
Repair:	PLACED GENERATOR, 105KW, MSD#0020

**Notifications:**

06/18/09 03:26 PM	DISPUB	Temporary signs
06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	112341	12401 SYCAMORE STATION PL		POPE LICK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	894688	04/08/09 04:20 PM	ELDER	JONES	REPAIRED - ISSUE RESOLVED	04/08/09	OBSTRUCTION-NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE - WATERS	04/08/09 05:20 PM	

**Spot Inspections:**

Discharge Amount:	300 GAL
Cause:	CONTRACTOR LEFT PIPE PLUG IN INFLUENT LINE CAUSING AN OBSTRUCTION
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED AROUND IMPACTED AREA
Impact:	SEWAGE RUNNING TO DITCHLINE, BRACKISH WATER
Repair:	CONTRACTOR REMOVED PIPE PLUG & RESTORE LINE TO SERVICE UNOBSTRUCTED

**Notifications:**

04/08/09 07:09 PM	DISPUB	TEMPORARY SIGNS POSTED AROUND AFFECTED AREA
04/09/09 01:36 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	28173	3258 RUCKRIEGEL PKY		CHENOWETH RUN	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921149	06/18/09 12:30 PM	GRIFFITH	GRIFFITH	DOCUMENTED	03/04/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 12:45 PM	

**Spot Inspections:**

Discharge Amount:	375 GAL
Cause:	LACK OF SYSTEM CAPACTIY-HEAVY RAIN
Clean Up:	NO CLEAN-UP NEEDED DUE TO MAGNITUDE OF STORM
Control Zone:	NONE NEEDED
Impact:	NO IMPACT OBSERVED FROM DISCHARGE
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/19/09 12:30 PM	DISPUB	PUBLIC WAS NOTIFIED BY DOOR HANGERS TO AVOID CONTACT OF DISCHARGED CONTENT
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 94940	<b>Facility Address</b> 11600 DIODE CT	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> CHENOWETH RUN	<b>Discharge to</b> DITCH
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<u>Activity Code / Description</u> DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> 921284	<u>Initiated</u> 06/18/09 06:25 PM	<u>Initiated By</u> ELDER	<u>Assigned To</u> CISSELL	<u>Disch Status</u> REPAIRED - ISSUE RESOLVED	<u>Status Date</u> 06/18/09	<u>Problem</u> ELECTRICAL PROBLEMS AT MSD	<u>Result</u> UNAUTHORIZED DISCHARGE - WATERS	<u>Completed</u> 06/18/09 07:30 PM	<u>Condition</u>
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**Spot Inspections:**

Discharge Amount:	12,000 GAL
Cause:	ELECT, CONTROL FUSE BLOWN, PHASE MONITOR FAILED
Clean Up:	NOT FEASIBLE
Control Zone:	TEMPORARY SIGNS PLACED AROUND THE AFFECTED AREA
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	REPLACED CONTROL FUSE, REPLACED PHASE MONITOR, RETURNED TO SERVICE

**Notifications:**

06/19/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 06:25 PM	DISPUB	Temporary signs placed





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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SPL Sewer Treatment Plant	MSD0255	10725 OLD TAYLORSVILLE RD		CHENOWETH RUN	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	893523	04/03/09 05:54 AM	MARKS JR	TUTTLE	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	04/03/09 12:25 PM	

**Spot Inspections:**

Peak Plant Flow when Blending:	12,170,000 GPD
Total Plant Flow when Blending:	7,017,000 GAL
Discharge Amount:	219,479 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	NO CLEAN UP REQUIRED
Control Zone:	SIGNS POSTED AND PUBLIC NOTIFIED BY WEB SITE
Impact:	NO IMPACT OBSERVED
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW BLENDING AT THIS LOCATION

**Notifications:**

04/03/09 04:00 PM	DISPUB	public notified by signs posted and msd web site
04/03/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	897772	04/19/09 03:26 PM	ELDER	SMITH	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	04/19/09 11:57 PM	

**Spot Inspections:**

Peal Plant Flow when Blending:	15,180,000 GPD
Total Plant Flow when Blending:	6,294,000 GAL
Discharge Amount:	679,890 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT POSSIBLE, BLENDED FLOW FROM PRIMARY TO UV DISINFECTION
Control Zone:	BLENDED FLOW FROM PRIMARY TO UV DISINFECTION NO CONTROL ZONE NECESSARY
Impact:	BLENDED FLOW FROM PRIMARY TO UV DISINFECTION OBSERVED
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

**Notifications:**

04/19/09 05:19 PM	DISPUB	Permenant signs along creek waterways
04/19/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/19/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	898040	04/20/09 07:14 AM	ELDER	VIERLING	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	04/20/09 01:13 PM	

**Spot Inspections:**

Peal Plant Flow when Blending:	10,889,000 GPD
Total Plant Flow when Blending:	7,690,000 GAL
Discharge Amount:	57,951 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT POSSIBLE, BLENDED FLOW FROM PRIMARY TO UV DISINFECTION
Control Zone:	BLENDED FLOW FROM PRIMARY TO UV DISINFECTION NO CONTROL ZONE NECESSARY
Impact:	BLENDED FLOW FROM PRIMARY TO UV DISINFECTION OBSERVED
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

**Notifications:**

04/20/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/13/09 10:35 AM	DISPUB	Public was notified through updates to Project Win website.
04/20/09 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905866	05/08/09 04:47 PM	ELDER	PFEISTER	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 08:38 AM	

**Spot Inspections:**

Peal Plant Flow when Blending:	17,200,000 GPD
Total Plant Flow when Blending:	13,630,000 GAL
Discharge Amount:	1,934,989 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	NO CLEANUP NECESSARY
Control Zone:	PERMENANT SIGNS ALONG CREEK
Impact:	NONE OBSERVED
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

**Notifications:**

05/08/09 05:11 PM	DISPUB	Permenant signs placed along creek
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	908502	05/18/09 02:29 AM	ELDER	LAMBDIN JR	DOCUMENTED	01/14/07	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/18/09 03:10 AM	

**Spot Inspections:**

Discharge Amount:	62,383 GAL
Cause:	POWER FAIL LG&E (BLIP) CAUSED DEVICENET TO SHUT DOWN
Clean Up:	NOT POSSIBLE, FLOWS DIRECT TO CREEK
Control Zone:	PERMANANT SIGNS ALONG CREEK
Impact:	NONE OBSERVED
Repair:	PUT UV IN MANUAL & RESET DEVICE NET TO RESTORE UV SYSTEM TO SERVICE

**Notifications:**

05/18/09 07:24 AM	DISPUB	Permanant signs along creek
05/18/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	916888	06/10/09 06:15 PM	MARKS JR	PFEISTER	DOCUMENTED	01/14/07	BLENDED AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/10/09 06:37 PM	

**Spot Inspections:**

Peal Plant Flow when Blending:	8,347,000 GPD
Total Plant Flow when Blending:	3,597,000 GAL
Discharge Amount:	387 GAL
Cause:	ELECTRICAL FAILURE OF #1 PUMP @ THE INFLUENT PUMP STATION
Clean Up:	NO CLEAN UP NECESSARY
Control Zone:	SIGNS POSTED
Impact:	NONE OBSERVED
Repair:	RESET #1 PUMP AND RESTARTED PUMP AND BLEND STOPPED

**Notifications:**

06/10/09 08:10 PM	DISPUB	public notified by signs posted and msd web site update
06/10/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/10/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	917355	06/11/09 11:14 PM	SINGLETON	TUTTLE	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/11/09 11:47 PM	

**Spot Inspections:**

Peal Plant Flow when Blending:	9,091,000 GPD
Total Plant Flow when Blending:	4,785,000 GAL
Discharge Amount:	3,289 GAL
Cause:	PUMP #4 WOULDN'T START
Clean Up:	NO CLEANUP
Control Zone:	PERMANENT SIGNS UP
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	REROUTED ELECTRICAL CABLE TO INFLUENT PUMP ENABLING OPERATION OF THE PLANT

**Notifications:**

06/12/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
07/15/09 10:10 AM	DISPUB	Notification made through Project WIN website, email listserve and permanent signs.



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	920946	06/18/09 11:44 AM	ELDER	STEPHENSON	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/19/09 12:38 AM	

**Spot Inspections:**

Peal Plant Flow when Blending:	26,740,000 GPD
Total Plant Flow when Blending:	12,286,000 GAL
Discharge Amount:	1,048,935 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	NO CLEANUP NECESSARY
Control Zone:	PERMENANT SIGNS ALONG CREEK
Impact:	NONE OBSERVED
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

**Notifications:**

06/18/09 12:23 PM	DISPUB	Permenant signs placed along creek & web site updated.
06/18/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921262	06/18/09 07:37 PM	ELDER	CISELL	DOCUMENTED	01/14/07	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 08:45 PM	

**Spot Inspections:**

Discharge Amount:	377,559 GAL
Cause:	UV SYSTEM MOTHERBOARD FAILED
Clean Up:	NO CLEANUP
Control Zone:	NO CONTROL ZONE REQUIRED
Impact:	NO IMPACT OBSERVED
Repair:	REPLACED MOTHERBOARD & RETURNED TO SERVICE

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/19/09 01:00 AM	DISPUB	Posted on Project WIN
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SLS Sewer Lift Station	MSD1081-PS	11600 DIODE CT	DIODE CT	CHENOWETH RUN	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921285	06/18/09 06:25 PM	ELDER	CISSELL	REPAIRED - ISSUE RESOLVED	06/18/09	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 07:30 PM	

**Spot Inspections:**

Discharge Amount:	3,000 GAL
Cause:	CONTROL FUSE BLOWN, PHASE MONITOR FAILED
Clean Up:	NOT FEASIBLE
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	REPLACED CONTROL FUSE, REPLACED PHASE MONITOR

**Notifications:**

06/19/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 06:25 PM	DISPUB	Temporary signs placed





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

<b>KPDES #</b> KY0029459	<b>Facility ID</b> MSD0263	<b>Water Quality Treatment Center</b> CHENOWETH HILLS	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SPL Sewer Treatment Plant	MSD0263	4305 ST RENE CT		CHENOWETH RUN	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905614	05/08/09 07:44 AM	SINGLETON	TUTTLE	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/08/09 08:46 AM	

**Spot Inspections:**

Discharge Amount:	21,454 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL CLEANED & SANITIZED THE AREA.
Control Zone:	TEMPORARY SIGNS PLACED AROUND THE AREA.
Impact:	SOLIDS OBSERVED.
Repair:	STORM FLOW RECEDED

**Notifications:**

05/08/09 07:44 AM	DISPUB	Temporary signs placed around the area.
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0078956	<b>Facility ID</b> MSD0277	<b>Water Quality Treatment Center</b> DEREK R. GUTHRIE	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	04699-W	1714 LAMKINS CT		MILL CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906012	05/08/09 05:00 PM	MARKS JR	THOMPSON	DOCUMENTED	12/15/07	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 01:00 AM	

**Spot Inspections:**

Discharge Amount:	5,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	STORM FLOW RECEDED

**Notifications:**

05/08/09 10:23 PM	DISPUB	public notified by signs and updated by msd web site
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0078956 (Cont'd)	<b>Facility ID</b> MSD0277	<b>Water Quality Treatment Center</b> DEREK R. GUTHRIE	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921294	06/18/09 01:00 PM	SINGLETON	RYAN	DOCUMENTED	12/15/07	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 04:00 PM	

**Spot Inspections:**

Discharge Amount:	2,000 GAL
Cause:	STREET FLOODED
Clean Up:	NO CLEAN UP NEEDED
Control Zone:	BARRICADES, ROAD CLOSURE & TEMPORARY SIGNS
Impact:	ROAD DEBRIS OBSERVED; NO SEWAGE DEBRIS
Repair:	WATER RECEDED

**Notifications:**

06/18/09 01:00 PM	DISPUB	Barricades, road closure & temporary signs
06/19/09 01:22 PM	DISNOT	Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/19/09 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0078956 (Cont'd)	<b>Facility ID</b> MSD0277	<b>Water Quality Treatment Center</b> DEREK R. GUTHRIE	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	29948	6810 SANDSTONE BLVD		FERN CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906288	05/08/09 08:00 PM	RHODES	HOLLEY	DOCUMENTED	03/04/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/08/09 11:00 PM	

**Spot Inspections:**

Discharge Amount:	360 GAL
Cause:	LACK OF SYSTEM CAP. DUE TO HEAVY RAIN
Clean Up:	CREATE WORK ORDER FOR MAINTENANCE TO CLEAN & SANITIZE AREA
Control Zone:	SET UP SIGNS & CAUTION TAPE THE AREA
Impact:	SOLIDS & DEBRIS
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN TO BE SUBMITTED BY DECEMBER 31,2008

**Notifications:**

05/08/09 08:00 PM	DISPUB	MSD ADVISED CUSTOMERS BY DOOR CARD
05/11/09 11:16 AM	DISNOT	Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0078956 (Cont'd)	<b>Facility ID</b> MSD0277	<b>Water Quality Treatment Center</b> DEREK R. GUTHRIE	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921021	06/18/09 11:50 AM	RHODES	HOLLEY	DOCUMENTED	03/04/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 03:30 PM	

**Spot Inspections:**

Discharge Amount:	6,600 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	MSD PERSONNEL PLACE SIGNS & CAUTION TAPE TO ADVISED THE CUSTOMER TO AVOID CONTACT IN THE AREA
Impact:	MSD PERSONNEL OBSERVED SEWAGE COMING UP FROM MANHOLE.
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED DECEMBER 2008

**Notifications:**

06/18/09 02:16 PM	DISPUB	MSD PERSONNEL SPOKE WITH THE PROPERTY OWNER TO ADVISE OF DISCHARGE
06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





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

<b>KPDES #</b> KY0078956 (Cont'd)	<b>Facility ID</b> MSD0277	<b>Water Quality Treatment Center</b> DEREK R. GUTHRIE	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	74835	7000 VENETIAN WAY		BIG RUN	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921204	06/18/09 12:02 PM	ELDER	KAISER	REPAIRED - ISSUE RESOLVED	06/18/09	POWER OUTAGE (LG&E)	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 12:40 PM	

**Spot Inspections:**

Discharge Amount:	3,800 GAL
Cause:	LOSS OF LG&E POWER DUE TO STORM IN THE AREA
Clean Up:	MSD CLEANED & SANITIZED AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	SEWAGE & PERSONAL HYGEINE PRODUCTS WERE OBSERVED.
Repair:	GENERATOR PLACED @ STATION TILL POWER RESTORED

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 12:02 PM	DISPUB	Temporary signs placed around effected area
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0078956 (Cont'd)	<b>Facility ID</b> MSD0277	<b>Water Quality Treatment Center</b> DEREK R. GUTHRIE	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMN Sewer Main	79217-AG	7600 VAUGHN MILL RD		PENNSYLVANIA RUN	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	895089	04/09/09 02:00 PM	MARKS JR	LANGFORD	REPAIRED - ISSUE RESOLVED	04/09/09	STRUCTURAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	04/09/09 04:45 PM	

**Spot Inspections:**

Discharge Amount:	11,000 GAL
Cause:	STRUCTURAL FAILURE OF FORCE MAIN
Clean Up:	MSD CONTRACTOR CLEANED AND SANITIZED AREA
Control Zone:	TAPE AND TEMP SIGNS POSTED
Impact:	DEBRIS SOLIDS PERSONAL HYGIENE PRODUCTS OBSERVED
Repair:	MSD CONTRACTOR MADE REPAIRS

**Notifications:**

04/09/09 06:16 PM	DISPUB	msd website and temp signs notified the public of the discharge
04/09/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0078956 (Cont'd)	<b>Facility ID</b> MSD0277	<b>Water Quality Treatment Center</b> DEREK R. GUTHRIE	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 81814-W	<b>Facility Address</b> 2601 PIONEER RD	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> MILL CREEK	<b>Discharge to</b> DITCH
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906011	05/08/09 05:00 PM	MARKS JR	THOMPSON	DOCUMENTED	01/24/02	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/08/09 08:00 PM	

**Spot Inspections:**

Discharge Amount:	5,000 GAL
Cause:	RAIN EVENT LACK OF SYSTEM CAPACITY
Clean Up:	NO DEBRIS
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN

**Notifications:**

05/08/09 10:15 PM	DISPUB	public notified by signs and msd website
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0078956 (Cont'd)	<b>Facility ID</b> MSD0277	<b>Water Quality Treatment Center</b> DEREK R. GUTHRIE	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0277	11621 LOWER RIVER RD		OHIO RIVER	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	923712	06/25/09 11:12 AM	SINGLETON	THOMPSON	DOCUMENTED	10/17/06	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/26/09 06:30 AM	

**Spot Inspections:**

Discharge Amount:	20,500,000 GAL
Cause:	MECHANICAL FAILURE- #1 HYPO PUMP NOT PUMPING
Clean Up:	NO DEBRIS; PIPE DISCHARGE SUBMERGED
Control Zone:	NO CONTROL ZONE- PIPE DISCHARGE SUBMERGEED
Impact:	NO IMPACT OBSERVED
Repair:	OPERATOR STARTED #2 HYPO PUMP

**Notifications:**

06/26/09 12:00 AM	DISNOT	Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/26/09 10:53 AM	DISPUB	Permanent signs posted & posted on Project WIN website



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

<b>KPDES #</b> KY0022411	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 02933	<b>Facility Address</b> 7900 SHELBYVILLE RD	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> MIDDLE FORK BEARGRASS CREEK	<b>Discharge to</b> STREAM
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<b>Activity Code / Description</b> DISREV: RAIN EVENT DISCHARGE	<b>WO #</b> 906009	<b>Initiated</b> 05/08/09 08:53 PM	<b>Initiated By</b> FIELDS	<b>Assigned To</b> GRIFFITH	<b>Disch Status</b> DOCUMENTED	<b>Status Date</b> 03/04/08	<b>Problem</b> LACK OF SYSTEM CAPACITY	<b>Result</b> UNAUTHORIZED DISCHARGE - WATERS	<b>Completed</b> 05/09/09 12:16 AM	<b>Condition</b>
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**Spot Inspections:**

Discharge Amount:	540 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	A WORK ORDER WILL BE CREATED FOR IFP TO CLEAN AND SANITIZE DISCHARGE SITE
Control Zone:	TEMPORARY SIGNS AND DOOR HANGERS HAVE BEEN POSTED
Impact:	OBSERVED SEWAGE AT DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

05/08/09 08:53 PM	DISPUB	PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS AND DOOR HANGERS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	08111	1301 S 45TH ST		OHIO RIVER	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906015	05/08/09 05:15 PM	GRIFFITH	GRIFFITH	DOCUMENTED	05/08/09	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/08/09 06:15 PM	

**Spot Inspections:**

Discharge Amount:	108,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	A WORK ORDER WILL BE CREATED FOR IFP TO CLEAN AND SANITIZE DISCHARGE SITE
Control Zone:	DOOR HANGERS AND BARRICADES PLACE AROUND DISCHARGE SITE
Impact:	SEWAGE AND SOLIDS OBSERVED AROUND SITE
Repair:	SITE FOUND DURING RAIN EVENT RECON-SITE WILL BE MONITORED AND EVALUATED FOR REPAIR

**Notifications:**

05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 05:15 PM	DISPUB	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 08935-SM	<b>Facility Address</b> 1001 BRECKENRIDGE LN	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> MIDDLE FORK BEARGRASS CREEK	<b>Discharge to</b> STREAM
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<b>Activity Code / Description</b> DISREV: RAIN EVENT DISCHARGE	<b>WO #</b> 897779	<b>Initiated</b> 04/19/09 05:35 PM	<b>Initiated By</b> GRIFFITH	<b>Assigned To</b> GRIFFITH	<b>Disch Status</b> DOCUMENTED	<b>Status Date</b> 11/29/01	<b>Problem</b> LACK OF SYSTEM CAPACITY	<b>Result</b> UNAUTHORIZED DISCHARGE - WATERS	<b>Completed</b> 04/19/09 09:37 PM	<b>Condition</b>
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**Spot Inspections:**

Discharge Amount:	185,884 GAL
Cause:	LACK FOR SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	NONE NEEDED DUE TO MAGNITUDE OF STORM
Control Zone:	DOOR HANGERS PLACED AT HOMES AROUND IMPACTED AREA
Impact:	NO IMPACT OBSERVED. MAGNITUDE OF SROM WASHED DEBRIS/SOLIDS AWAY FROM DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

04/19/09 05:35 PM	DISPUB	RESIDENTS AROUND IMPACTED AREA NOTIFIED BY DOOR HANGERS OF THE HAZARDS OF CONTACT WITH DISCHARGE
04/19/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/19/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905919	05/08/09 05:35 PM	GRIFFITH	GRIFFITH	DOCUMENTED	11/29/01	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 05:17 PM	

**Spot Inspections:**

Discharge Amount:	3,867,778 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	NONE NEEDED-MAGNITUDE OF STORM FLUSHED SOLIDS/DEBRIS FROM SITE
Control Zone:	LOCATION HAS PERMANENT SIGNS EXPLAINING HAZARDS OF CONTACT WITH DISCHARGED CONTENT
Impact:	NO IMPACT OBSERVED DUE TO MAGNITUDE OF STORM
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

05/08/09 05:35 PM	DISPUB	PUBLIC HAS BEEN NOTIFIED AT THIS LOCATION THROUGH PERMANENT SIGNS TO AVOID CONTACT WITH DISCHARGED CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921159	06/18/09 02:15 PM	MITCHELL	GRIFFITH	DOCUMENTED	11/29/01	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 06:00 PM	

**Spot Inspections:**

Discharge Amount:	430,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	A CLEAN-UP WORK ORDER WILL BE CREATED FOR IF&P CONCERNING THIS LOCATION
Control Zone:	BARRICADES AND TEMPORARY SIGNS WERE PLACED AROUND IMPACTED AREA
Impact:	SOLIDS AND SEWAGE WERE OBSERVED AROUND IMPACTED AREA
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 02:15 PM	DISPUB	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS AND DOOR HANGERS TO AVOID CONTACT WITH DISCHARGED CONTENT
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	104231	4119 LEE AVE		CAMP TAYLOR DITCH	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905957	05/08/09 06:32 PM	MITCHELL	GRIFFITH	DOCUMENTED	10/23/07	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 12:17 AM	

**Spot Inspections:**

Discharge Amount:	27,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	A WORK ORDER WILL BE CREATED FOR IFP TO CLEAN AND SANITIZE DISCHARGE SITE
Control Zone:	TEMPORARY SIGNS AND DOOR HANGERS HAVE BEEN POSTED
Impact:	OBSERVED SOLIDS AND PERSONAL HYGIENE PRODUCTS AROUND DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

05/08/09 06:32 PM	DISPUB	PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS AND DOOR HANGERS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	13943	4119 LEE AVE		SOUTH FORK BEARGRASS CREEK	GROUND

<b>Activity Code / Description</b>	<b>WO #</b>	<b>Initiated</b>	<b>Initiated By</b>	<b>Assigned To</b>	<b>Disch Status</b>	<b>Status Date</b>	<b>Problem</b>	<b>Result</b>	<b>Completed</b>	<b>Condition</b>
DISREV: RAIN EVENT DISCHARGE	905954	05/08/09 06:30 PM	MITCHELL	GRIFFITH	DOCUMENTED	03/19/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/11/09 12:17 AM	

**Spot Inspections:**

Discharge Amount:	360 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	A WORK ORDER WILL BE CREATED FOR IFP TO CLEAN AND SANITIZE DISCHARGE SITE
Control Zone:	TEMPORARY SIGNS AND DOOR HANGERS HAVE BEEN POSTED
Impact:	OBSERVED SOLIDS AROUND DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

05/08/09 06:30 PM	DISPUB	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGED CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	16649	1726 FRASER DR		SOUTH FORK BEARGRASS CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	893204	04/03/09 12:45 AM	MITCHELL	GRIFFITH	DOCUMENTED	01/24/02	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	04/04/09 08:15 AM	

**Spot Inspections:**

Discharge Amount:	8,668 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	NONE NEEDED DUE TO MAGNITUDE OF STORM
Control Zone:	PLACED TEMPORARY SIGNS AND DOOR HANGERS AROUND IMPACTED AREA
Impact:	NO IMPACT OBSERVED
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN AS SUBMITTED ON DEC 31, 2008

**Notifications:**

04/03/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/03/09 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/03/09 10:46 AM	DISPUB	Advised customers with temporary signs around overflow location





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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	895030	04/09/09 12:30 PM	MITCHELL	GRIFFITH	DOCUMENTED	01/24/02	OBSTRUCTION-NOT GREASE / ROOTS	UNAUTHORIZED DISCHARGE - WATERS	04/09/09 04:30 PM	

**Spot Inspections:**

Discharge Amount:	2,292 GAL
Cause:	OBSTRUCTION IN MAIN SEWER-HEAVY PAPER TOWELS
Clean Up:	REFERRED TO I&FP FOR CLEANUP-WORK ORDER # 895279
Control Zone:	ADVISED PROPERTY OWNER/CUSTOMER TO AVOID DIRECT CONTACT WITH SEWAGE.
Impact:	DISCOLORATION IN STREAM
Repair:	CONTACTED MAINTENACE. MAINTENANCE FLUSHED LINE WORK ODER # 895044

**Notifications:**

04/09/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/09/09 04:30 PM	DISPUB	Advised property owner / customer to avoid contact with sewage. Also placed door hangers around impacted areas.



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	897797	04/19/09 06:19 PM	MITCHELL	GRIFFITH	DOCUMENTED	01/24/02	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	04/20/09 06:03 PM	

**Spot Inspections:**

Discharge Amount:	16,548 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	NONE NEEDED DUE TO MAGNITUDE OF STORM
Control Zone:	DOOR HANGERS PLACED AT HOMES AROUND IMPACTED AREA
Impact:	NO IMPACT OBSERVED. MAGNITUDE OF STORM WASHED DEBRIS/SOLIDS AWAY FROM DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31 2008

**Notifications:**

04/19/09 06:16 PM	DISPUB	RESIDENTS AROUND IMPACTED AREA NOTIFIED BY DOOR HANGERS EXPLAINING HAZARDS OF CONTACT WITH DISCHARGE
04/19/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/19/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905904	05/08/09 05:00 PM	MITCHELL	GRIFFITH	DOCUMENTED	01/24/02	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/10/09 12:15 AM	

**Spot Inspections:**

Discharge Amount:	141,974 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	A WORK ORDER WILL BE CREATED FOR IFP TO CLEAN AND SANITIZE DISCHARGE SITE
Control Zone:	PUBLIC IS NOTIFIED THROUGH DOOR HANGERS AND BARRICADES AROUND IMPACTED AREA
Impact:	OBSERVED SOLIDS, SEWAGE, AND PERSONAL HYGIENE PRODUCTS AROUND DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE SANITARY DISCHARGE PLAN SUBMITTED DECEMBER 31, 2008

**Notifications:**

05/08/09 05:00 PM	DISPUB	PUBLIC HAS BEEN NOTIFIED AT THIS LOCATION THROUGH DOOR HANGERS EXPLAINING TO AVOID DIRECT CONTACT WITH DISCHARGE CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921151	06/18/09 01:00 PM	MITCHELL	GRIFFITH	DOCUMENTED	01/24/02	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	06/19/09 07:30 AM	

**Spot Inspections:**

Discharge Amount:	20,278 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA
Control Zone:	TEMPORARY SIGNS AND CONES WERE PLACED AREOUD IMPACTED AREA
Impact:	SEWAGE AND SOLIDS WERE OBSERVED AROUND DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DICHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 01:00 PM	DISPUB	PUBLIC WAS NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID CONTACT WITH DISCHARGED CONTENT
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	923702	06/26/09 07:15 AM	GRIFFITH	GRIFFITH	DOCUMENTED	01/24/02	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	06/26/09 11:50 AM	

**Spot Inspections:**

Discharge Amount:	268 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	A DISCLN WORK ORDER HAS BEEN CREATED FOR I&FP FOR THIS LOCATION
Control Zone:	NONE NECESSARY DUE TO VERY LIGHT DISCHARGE AND LOCATION
Impact:	NO VISUAL IMPACT OBSERVED AT LOCATION
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

06/26/09 10:59 AM	DISPUB	DOOR HANGERS WERE PLACED AT RESIDENTS AROUND IMPACTED AREA TO ADVISE CUSTOMERS TO AVOID CONTACT WITH DISCHARGED CONTENT
06/26/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/26/09 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	17571	3035 CARSON WAY		SOUTH FORK BEARGRASS CREEK	CATCH BASIN

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905950	05/08/09 05:05 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 04:22 AM	

**Spot Inspections:**

Discharge Amount:	552,100 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

05/08/09 08:06 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	18471	3107 DELL BROOKE AVE		SOUTH FORK BEARGRASS CREEK	CATCH BASIN

<b>Activity Code / Description</b>	<b>WO #</b>	<b>Initiated</b>	<b>Initiated By</b>	<b>Assigned To</b>	<b>Disch Status</b>	<b>Status Date</b>	<b>Problem</b>	<b>Result</b>	<b>Completed</b>	<b>Condition</b>
DISREV: RAIN EVENT DISCHARGE	921194	06/18/09 02:05 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 03:23 PM	

**Spot Inspections:**

Discharge Amount:	74,100 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

06/18/09 04:40 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	18483	3015 BOAIRES LN		SOUTH FORK BEARGRASS CREEK	CATCH BASIN

<b>Activity Code / Description</b>	<b>WO #</b>	<b>Initiated</b>	<b>Initiated By</b>	<b>Assigned To</b>	<b>Disch Status</b>	<b>Status Date</b>	<b>Problem</b>	<b>Result</b>	<b>Completed</b>	<b>Condition</b>
DISREV: RAIN EVENT DISCHARGE	921190	06/18/09 01:35 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 05:30 PM	

**Spot Inspections:**

Discharge Amount:	232,900 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

06/18/09 04:43 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	18595	3101 WEDGEWOOD WAY		WEDGEWOOD DITCH	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905952	05/08/09 06:10 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	05/08/09 10:48 PM	

**Spot Inspections:**

Discharge Amount:	180,700 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

05/08/09 08:04 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	21061	4432 CORDOVA RD		UPPER SINKING FORK	CATCH BASIN

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905962	05/08/09 05:28 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 03:10 PM	

**Spot Inspections:**

Discharge Amount:	846,300 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

05/08/09 08:05 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921196	06/18/09 01:30 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 07:55 PM	

**Spot Inspections:**

Discharge Amount:	365,700 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

06/18/09 04:43 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	21089	207 BRUNSWICK RD		UPPER SINKING FORK	CATCH BASIN

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905959	05/08/09 05:55 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 05:04 AM	

**Spot Inspections:**

Discharge Amount:	635,500 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

05/08/09 08:04 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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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

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905963	05/08/09 05:26 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 07:39 PM	

**Spot Inspections:**

Discharge Amount:	1,494,300 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

05/08/09 08:05 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921188	06/18/09 01:53 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 08:45 PM	

**Spot Inspections:**

Discharge Amount:	391,400 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

06/18/09 04:41 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	21153	4522 CORDOVA RD		UPPER SINKING FORK	CATCH BASIN

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905961	05/08/09 05:25 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 03:00 PM	

**Spot Inspections:**

Discharge Amount:	1,056,100 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

05/08/09 08:06 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921187	06/18/09 12:40 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 07:30 PM	

**Spot Inspections:**

Discharge Amount:	389,500 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

06/18/09 04:44 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	21156	100 STONEHENGE DR		UPPER SINKING FORK	CATCH BASIN

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905955	05/08/09 05:40 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 02:50 PM	

**Spot Inspections:**

Discharge Amount:	1,564,200 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

05/08/09 08:05 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921182	06/18/09 01:05 PM	BRIGHT	BRIGHT	DOCUMENTED	02/17/00	PUMPED OVERFLOW	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 07:05 PM	

**Spot Inspections:**

Discharge Amount:	1,451,100 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 PUMP
Impact:	SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

06/18/09 04:43 PM	DISPUB	MSD PERSONNEL PLACED SIGNS
06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	21628-W	7404 ARROWWOOD RD		GOOSE CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905998	05/08/09 07:20 PM	MARKS JR	DUNN JR	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/08/09 11:55 PM	

**Spot Inspections:**

Discharge Amount:	20,625 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMP SIGNS POSTED
Impact:	NO DEBRIS, JUST WASTEWATER
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN

**Notifications:**

05/08/09 09:00 PM	DISPUB	temporary signs posted and msd website update
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921891	06/18/09 11:40 AM	SINGLETON	BROWN	DOCUMENTED	12/16/00	POWER OUTAGE (LG&E)	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 02:57 PM	

**Spot Inspections:**

Discharge Amount:	14,775 GAL
Cause:	POWER OUTAGE DUE TO STORM IN THE AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS PLACED
Impact:	PERSONAL HYGEINE PRODUCTS & SEWAGE WERE OBSERVED
Repair:	GENERATOR PLACED @ STATION UNTILL POWER WAS RESTORED

**Notifications:**

06/22/09 02:15 PM	DISNOT	Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 11:40 AM	DISPUB	Temporary signs placed around area



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 27005	<b>Facility Address</b> 1012 ALTA CIR	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> MIDDLE FORK BEARGRASS CREEK	<b>Discharge to</b> GROUND
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905993	05/08/09 08:00 PM	FIELDS	GRIFFITH	DOCUMENTED	09/02/03	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 08:30 AM	

**Spot Inspections:**

Discharge Amount:	3,975,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	NONE NEEDED-MAGNITUDE OF STORM FLUSHED SOLIDS/DEBRIS FROM SITE
Control Zone:	PERMANENT SIGNS WITH CAUTION TAPE ARE AROUND IMPACTED AREA
Impact:	NO IMPACT OBSERVED DUE TO MAGNITUDE OF STORM
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31,2008

**Notifications:**

05/08/09 08:00 PM	DISPUB	PUBLIC NOTIFIED THROUGH PERMANENT SIGNS AND CAUTION TAPE TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	40870	2120 INDIAN HILLS TRL		MUDDY FORK BEARGRASS CREEK	DITCH

<b>Activity Code / Description</b>	<b>WO #</b>	<b>Initiated</b>	<b>Initiated By</b>	<b>Assigned To</b>	<b>Disch Status</b>	<b>Status Date</b>	<b>Problem</b>	<b>Result</b>	<b>Completed</b>	<b>Condition</b>
DISREV: RAIN EVENT DISCHARGE	905971	05/08/09 07:28 PM	MARKS JR	DUNN JR	DOCUMENTED	09/27/02	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 01:30 AM	

**Spot Inspections:**

Discharge Amount:	18,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO DEBRIS, JUST WASTEWATER
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN

**Notifications:**

05/08/09 08:03 PM	DISPUB	public notified by signs and msd web site
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	40871	2120 INDIAN HILLS TRL		MUDDY FORK BEARGRASS CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	898190	04/20/09 08:25 AM	MARKS JR	KAISER	DOCUMENTED	03/04/08	ELECTRICAL PROBLEMS AT MSD	UNAUTHORIZED DISCHARGE - WATERS	04/20/09 08:35 AM	

**Spot Inspections:**

Discharge Amount:	1,500 GAL
Cause:	#2 PUMP TRIPPED OUT
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	TEMP SIGNS POSTED
Impact:	ONLY SEWAGE OBSERVED
Repair:	MSD ELECTRICIAN MADE REPAIRS AND RESET #2 PUMP

**Notifications:**

04/20/09 01:52 PM	DISPUB	temp signs and msd web site updated to notify and warn public
04/20/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	40872	2105 INDIAN HILLS TRL		MUDDY FORK BEARGRASS CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921242	06/18/09 05:00 PM	ELDER	LARUE	DOCUMENTED	12/15/07	POWER OUTAGE (LG&E)	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 10:30 PM	

**Spot Inspections:**

Discharge Amount:	3,300 GAL
Cause:	POWER FAILURE DUE TO STORM IN THE AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	BARRICADES & TEMPORARY SIGNS
Impact:	SEWAGE ON GROUND
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED DECEMBER 2008.

**Notifications:**

06/18/09 06:26 PM	DISPUB	Barricades & temporary signs
06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	42675	4640 BARBOUR LN		LITTLE GOOSE CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISSUS: SUSPECTED OVERFLOW EVID. FOUND	897356	04/16/09 05:16 PM	LEVITZ	FRENCH	SUSPECTED	04/16/09	POWER OUTAGE (LG&E)	UNAUTHORIZED DISCHARGE - WATERS	04/16/09 05:23 PM	

**Spot Inspections:**

Discharge Amount:	1,500 GAL
Cause:	PROBLEM COULD HAVE BEEN DUE TO POWER OUTAGE FROM RECENT ICE STORM OR LACK OF SYSTEM CAPACITY
Clean Up:	REFERRED TO I&FP FOR CLEANUP-WORK ORDER #897478
Control Zone:	NO CONTROL ZONE REQUIRED
Impact:	DEBRIS AROUND MANHOLE.
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED DECEMBER 2008.

**Notifications:**

04/16/09 05:30 PM	DISPUB	no public notification was made. a location for a permanent overflow warning sign was identified and documented.
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Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV, DISSUS

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	43472	8409 SABERDEE DR		GOOSE CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906002	05/08/09 05:30 PM	MARKS JR	HOWARD	DOCUMENTED	03/04/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 02:30 AM	

**Spot Inspections:**

Discharge Amount:	13,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO DEBRIS, JUST WASTEWATER
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN

**Notifications:**

05/08/09 09:14 PM	DISPUB	signs posted and msd web site update
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	44091	2318 STANNYE DR		LONGVIEW CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921184	06/18/09 11:45 AM	ELDER	LARUE	REPAIRED - ISSUE RESOLVED	06/18/09	POWER OUTAGE (LG&E)	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 01:00 PM	

**Spot Inspections:**

Discharge Amount:	3,750 GAL
Cause:	LOSS OF LG&E POWER DUE TO STORM IN THE AREA
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TAPE & TEMPORARY SIGNS POSTED
Impact:	PERSONAL HYGEINE PRODUCTS & SEWAGE WERE OBSERVED.
Repair:	PLACED GENERATOR

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 11:45 AM	DISPUB	Tape & temporary signs posted
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 45835	<b>Facility Address</b> 1132 ROSTREVOR CIR	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> MIDDLE FORK BEARGRASS CREEK	<b>Discharge to</b> GROUND
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905980	05/08/09 07:50 PM	FIELDS	GRIFFITH	DOCUMENTED	09/02/03	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 08:21 AM	

**Spot Inspections:**

Discharge Amount:	337,500 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	A WORK ORDER WILL BE CREATED FOR IFP TO CLEAN AND SANITIZE DISCHARGE SITE
Control Zone:	CAUTION TAPE POSTED AROUND SITE
Impact:	OBSERVED SEWAGE AT DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

05/08/09 07:50 PM	DISPUB	PUBLIC NOTIFIED THROUGH CAUTION TAPE AND PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921162	06/18/09 03:00 PM	GRIFFITH	GRIFFITH	DOCUMENTED	09/02/03	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 06:00 PM	

**Spot Inspections:**

Discharge Amount:	9,000 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	BARRICADES WERE PLACED AT DISCHARGE SITE. SITE ALSO HAS A PERMANENT SIGN IN PLACE
Impact:	NO IMPACT OBSERVED-MAGNITUDE OF STORM WASHED SOLIDS AWAY FROM DISCHARGE AREA
Repair:	THIS LOCATION IS IN THE SANITARY DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 03:00 PM	DISPUB	PUBLIC WAS NOTIFIED THROUGH A PERMANENT SIGN ON SITE TO AVOID CONTACT WITH DISCHARGE CONTENT
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 47583	<b>Facility Address</b> 202 OXMOOR LN	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> MIDDLE FORK BEARGRASS CREEK	<b>Discharge to</b> STREAM
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<b>Activity Code / Description</b> DISREV: RAIN EVENT DISCHARGE	<b>WO #</b> 906014	<b>Initiated</b> 05/08/09 09:40 PM	<b>Initiated By</b> FIELDS	<b>Assigned To</b> GRIFFITH	<b>Disch Status</b> DOCUMENTED	<b>Status Date</b> 02/06/08	<b>Problem</b> LACK OF SYSTEM CAPACITY	<b>Result</b> UNAUTHORIZED DISCHARGE - WATERS	<b>Completed</b> 05/09/09 12:19 AM	<b>Condition</b>
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**Spot Inspections:**

Discharge Amount:	4,500,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	NONE NEEDED-PIPE DISCHARGE SUBMERGED
Control Zone:	NONE NEEDED-PIPE DISCHARGE SUBMERGED
Impact:	NO IMPACT OBSERVED-PIPE SUBMERGED
Repair:	THIS LOCATION IS IN THE SANITARY DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

05/08/09 09:40 PM	DISPUB	PUBLIC NOTIFIED THROUGH PERMANENT SIGN TO AVOID DIRECT CONTACT WITH DISCHARGE CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 47593	<b>Facility Address</b> 8021 CHRISTIAN CT	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> MIDDLE FORK BEARGRASS CREEK	<b>Discharge to</b> GROUND
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906013	05/08/09 09:25 PM	FIELDS	GRIFFITH	DOCUMENTED	03/19/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 12:25 AM	

**Spot Inspections:**

Discharge Amount:	540 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	A WORK ORDER WILL BE CREATED FOR IFP TO CLEAN AND SANITIZE DISCHARGE SITE
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	OBSERVED SEWAGE AT DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

05/08/09 09:25 PM	DISPUB	PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DICHARGED CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 51160	<b>Facility Address</b> 3305 INDIAN CREEK CT	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> SOUTH FORK BEARGRASS CREEK	<b>Discharge to</b> GROUND
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<b>Activity Code / Description</b> DISREV: RAIN EVENT DISCHARGE	<b>WO #</b> 905967	<b>Initiated</b> 05/08/09 07:23 PM	<b>Initiated By</b> MITCHELL	<b>Assigned To</b> GRIFFITH	<b>Disch Status</b> DOCUMENTED	<b>Status Date</b> 04/04/08	<b>Problem</b> LACK OF SYSTEM CAPACITY	<b>Result</b> UNAUTHORIZED DISCHARGE - WATERS	<b>Completed</b> 05/08/09 10:50 PM	<b>Condition</b>
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**Spot Inspections:**

Discharge Amount:	4,500 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	A WORK ORDER WILL BE CREATED FOR IFP TO CLEAN AND SANITIZE DISCHARGE SITE
Control Zone:	TEMPORARY SIGNS AND DOOR HANGERS HAVE BEEN POSTED
Impact:	NO IMPACT OBSERVED DUE TO MAGNITUDE OF STORM
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

05/08/09 07:23 PM	DISPUB	PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS AND DOOR HANGERS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SMH Sewer Manhole	65633	4640 BARBOUR LN		LITTLE GOOSE CREEK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISSUS: SUSPECTED OVERFLOW EVID. FOUND	896939	04/14/09 03:55 PM	FRENCH	FRENCH	DOCUMENTED	04/04/08	POWER OUTAGE (LG&E)	UNAUTHORIZED DISCHARGE - WATERS	04/14/09 04:00 PM	

**Spot Inspections:**

Discharge Amount:	1,500 GAL
Cause:	PROBLEM COULD HAVE BEEN DUE TO POWER FROM THE RECENT ICE STORM OR LACK OF SYSTEM CAPACITY.
Clean Up:	NO CLEANUP REQUIRED, NO SOLIDS OR DEBRIS OBSERVED.
Control Zone:	NO CONTROL ZONE REQUIRED.
Impact:	MANHOLE LID PARTIALLY OFF OF CASTING, WEEDS AROUND MANHOLE KNOCKED DOWN APPARENTLY FROM FLOW.
Repair:	MANHOLE LID WAS REPLACED ON CASTING. A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED DECEMBER 2008.

**Notifications:**

04/15/09 10:23 AM	DISPUB	NO PUBLIC NOTIFICATION WAS MADE. A LOCATION FOR A PERMANENT OVERFLOW WARNING SIGN WAS IDENTIFIED AND DOCUMENTED.
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Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV, DISSUS

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISSUS: SUSPECTED OVERFLOW EVID. FOUND	906921	05/11/09 05:15 PM	FRENCH	FRENCH	DOCUMENTED	04/04/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/11/09 05:20 PM	

**Spot Inspections:**

Discharge Amount:	1,500 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO HEAVY RAIN
Clean Up:	MSD PERSONNEL WILL CLEAN AND SANITIZE THE AREA
Control Zone:	NO CONTROL ZONE REQUIRED - MANHOLE NO LONGER OVERFLOWING
Impact:	HEAVY SOLIDS AND DEBRIS OBSERVED AROUND MANHOLE
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP SUBMITTED DECEMBER 2008

**Notifications:**

05/13/09 02:48 PM	DISPUB	A location for a permanent overflow sign has been identified at this manhole.
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Report Selections: Excluding PPI, CSO, Result: WUS, Act Code: DISDW, DISREV, DISSUS

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 72571-X	<b>Facility Address</b> 4600 CHAMPIONS TRACE LN	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> SOUTH FORK BEARGRASS CREEK	<b>Discharge to</b> STREAM
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	897820	04/19/09 06:42 PM	GRIFFITH	GRIFFITH	DOCUMENTED	11/29/01	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	04/20/09 01:52 AM	

**Spot Inspections:**

Discharge Amount:	195,618 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	NONE NEEDED. ALL DEBRIS/SOLIDS WASHED AWAY DUE TO MAGNITUDE OF STORM
Control Zone:	NO CONTROL ZONE NECESSARY AT THIS LOCATION
Impact:	NO IMPACT OBSERVED DUE TO THE MAGNITUDE OF STORM
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

04/19/09 06:42 PM	DISPUB	IN THIS LOCATION THE PUBLIC IS NOTIFIED WITH PERMINENT SIGNS
04/19/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/19/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905885	05/08/09 04:54 PM	GRIFFITH	GRIFFITH	DOCUMENTED	11/29/01	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 01:48 PM	

**Spot Inspections:**

Discharge Amount:	1,377,881 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	NONE POSSIBLE DUE TO MAGNITUDE OF STORM
Control Zone:	PUBLIC IS NOTIFIED AT THIS SITE THROUGH PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGE CONTENT
Impact:	NO IMPACT OBSERVED-MAGNITUDE OF STORM FLUSHED SOLIDS/DEBRIS FROM SITE
Repair:	THIS LOCATION IS INCLUDED IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

**Notifications:**

05/08/09 04:54 PM	DISPUB	PUBLIC IS NOTIFIED AT THIS SITE THROUGH PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGE CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Activity Code / Description</b>	<b>WO #</b>	<b>Initiated</b>	<b>Initiated By</b>	<b>Assigned To</b>	<b>Disch Status</b>	<b>Event Date</b>	<b>Problem</b>	<b>Result</b>	<b>Completed</b>	<b>Condition</b>
DISREV: RAIN EVENT DISCHARGE	921156	06/18/09 02:00 PM	MITCHELL	GRIFFITH	DOCUMENTED	11/29/01	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	06/19/09 01:40 PM	

**Spot Inspections:**

Discharge Amount:	5,900,000 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	NONE NEEDED DUE TO MAGNITUDE OF STORM
Control Zone:	PERMANENT SIGNS ARE POSTED AROUND DISCHARGE LOCATION
Impact:	NO IMPACT OBSERVED DUE TO MAGNITUDE OF STORM-OUTFALL SUBMERGED
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DICHARGE PLAN

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 02:00 PM	DISPUB	PUBLIC IS NOTIFIED THROUGH PERMANENT SIGNS PLACED AROUND DISCHARGE SITE
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 82558-W	<b>Facility Address</b> 1618 WATHEN LN	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> OHIO RIVER	<b>Discharge to</b> GROUND
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<u>Activity Code / Description</u> DISREV: RAIN EVENT DISCHARGE	<u>WO #</u> 921168	<u>Initiated</u> 06/18/09 11:40 AM	<u>Initiated By</u> ELDER	<u>Assigned To</u> BROWN	<u>Disch Status</u> REPAIRED - ISSUE RESOLVED	<u>Status Date</u> 06/18/09	<u>Problem</u> POWER OUTAGE (LG&E)	<u>Result</u> UNAUTHORIZED DISCHARGE - WATERS	<u>Completed</u> 06/18/09 02:40 PM	<u>Condition</u>
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**Spot Inspections:**

Discharge Amount:	13,500 GAL
Cause:	LOSS OF LG&E POWER
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TAPE & TEMPORARY SIGNS POSTED
Impact:	NO IMPACT OBSERVED
Repair:	PLACED GENERATOR, 85 KW MSD#0006 TO RESTORE POWER

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 11:40 AM	DISPUB	Tape & temporary signs posted
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> 90700	<b>Facility Address</b> 8021 CHRISTIAN CT	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> MIDDLE FORK BEARGRASS CREEK	<b>Discharge to</b> CATCH BASIN
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<b>Activity Code / Description</b>	<b>WO #</b>	<b>Initiated</b>	<b>Initiated By</b>	<b>Assigned To</b>	<b>Disch Status</b>	<b>Status Date</b>	<b>Problem</b>	<b>Result</b>	<b>Completed</b>	<b>Condition</b>
DISREV: RAIN EVENT DISCHARGE	906010	05/08/09 09:07 PM	FIELDS	GRIFFITH	DOCUMENTED	03/19/08	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 12:20 AM	

**Spot Inspections:**

Discharge Amount:	540 GAL
Cause:	LACK OF SYSTEM CAPACITY-HEAVY RAIN
Clean Up:	WORK ORDER WILL BE CREATED FOR IFP TO CLEAN AND SANITIZE DISCHARGE SITE
Control Zone:	BARRICADE AND TEMPORARY SIGNS POSTED ON IMPACTED AREA
Impact:	OBSERVED SOLIDS AROUND DISCHARGE SITE
Repair:	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

**Notifications:**

05/08/09 09:07 PM	DISPUB	PUBLIC NOTIFIED THROUGH BARRICADE WITH TEMPORARY SIGNS TELLING CUSTOMERS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SMH Sewer Manhole	<b>Facility ID</b> CSO022	<b>Facility Address</b> 342 W MAIN ST	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> OHIO RIVER	<b>Discharge to</b> STREAM
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	906167	05/10/09 10:00 AM	THOMPSON	HUMPHREY	DOCUMENTED	01/04/04	PUMPED DUE TO COE MANUAL	UNAUTHORIZED DISCHARGE - WATERS	05/10/09 03:22 PM	

**Spot Inspections:**

Discharge Amount:	400,754 GAL
Cause:	4TH ST FLOOD PUMP STATION PLACED IN FLOOD PUMPING IDLE MODE PER USACOE PROTOCOL DURING ELEVATED RIVER LEVELS
Clean Up:	NO CLEAN UP PERFORMED, PIPES DISCHARGE 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 USACOE FLOOD PUMPING PROTOCOLS

**Notifications:**

05/10/09 11:39 AM	DISPUB	Given by voluntary email notification system
05/10/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/10/09 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SLS Sewer Lift Station	MSD0012-PS	3246 RADIANCE RD	HIGHGATE SPRINGS	SOUTH FORK BEARGRASS CREEK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	897804	04/19/09 05:27 PM	MARKS JR	HOWARD	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	04/19/09 09:30 PM	

**Spot Inspections:**

Discharge Amount:	39,000 GAL
Cause:	LACK OF SYSTEM CAPACITY DURING RAIN EVENTS
Clean Up:	NO CLEAN UP REQUIRED
Control Zone:	PERMANENT SIGNS POSTED
Impact:	NO IMPACT OBSERVED THIS LOCATION IS OVER ELEVATED CREEK
Repair:	THIS LOCATION WILL BE IN THE SANITARY SEWER DISCHARGE PLAN OF DEC 2008

**Notifications:**

04/19/09 07:19 PM	DISPUB	Advised customers with permanent signs around overflow location
04/19/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/19/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	904177	05/05/09 11:14 AM	ELDER	WHITTAKER SR	DOCUMENTED	12/16/00	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	05/05/09 11:17 AM	

**Spot Inspections:**

Discharge Amount:	477 GAL
Cause:	OPERATOR ERROR, TURNED PUMP SWITCH TO WRONG POSITION
Clean Up:	B&H PUMPED 7000 GALLONS FROM CREEK TO REMOVE SEWAGE
Control Zone:	PERMENANT SIGNS POSTED AT CREEK
Impact:	SEWAGE IN CREEK
Repair:	CONTRACTED B&H TO PUMP OUT CREEK

**Notifications:**

05/05/09 02:39 PM	DISPUB	Permenant signs posted at creek
05/05/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905960	05/08/09 05:06 PM	MARKS JR	BRAZEL	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 08:07 PM	

**Spot Inspections:**

Discharge Amount:	606,098 GAL
Cause:	RAIN EVENT CAUSED LACK OF SYSTEM CAPACITY
Clean Up:	NO CLEAN UP REQUIRED
Control Zone:	PERMANENT SIGNS POSTED
Impact:	NO IMPACT OBSERVED THIS LOCATION DISCHARGE IS OVER ELEVATED CREEK
Repair:	THIS LOCATION IS IN THE SANITARY DISCHARGE PLAN SUBMITTED DEC08

**Notifications:**

05/08/09 07:35 PM	DISPUB	public notified by signs and msd web site
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921218	06/18/09 12:25 PM	ELDER	ROBBINS	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	06/19/09 02:40 AM	

**Spot Inspections:**

Discharge Amount:	132,600 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO STORM IN AREA.
Clean Up:	CLEANUP NOT FEASIBLE DUE TO ELEVATED CREEK LEVEL.
Control Zone:	PERMANENT SIGN IN PLACE. NO ADDITIONAL CONTROL ZONE SET UP.
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN.

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 12:25 PM	DISPUB	Temporary signs posted
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b> SLS Sewer Lift Station	<b>Facility ID</b> MSD0023-PS	<b>Facility Address</b> 501 MOCKINGBIRD VALLEY RD	<b>If Pump Station, Name of Pump Station:</b> MELLWOOD AVENUE	<b>Receiving Stream</b> MUDDY FORK BEARGRASS CREEK	<b>Discharge to</b> STREAM
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	893484	04/03/09 01:30 PM	SINGLETON	LARUE	DOCUMENTED	01/02/04	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	04/03/09 03:00 PM	

**Spot Inspections:**

Discharge Amount:	6,750 GAL
Cause:	HEAVY VOLUME DUE TO STORM EVENT; CONTRACT HAULER COULD NOT KEEP UP WITH VOLUME
Clean Up:	FLOW KICKED OUT TO CREEK; CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL
Control Zone:	TEMPORARY SIGNS PLACED AROUND AFFECTED AREA
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN

**Notifications:**

04/03/09 01:30 PM	DISPUB	Temporary signs placed around area
04/03/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/03/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	897814	04/19/09 07:00 PM	ELDER	CARTER SR	DOCUMENTED	01/02/04	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	04/20/09 01:00 AM	

**Spot Inspections:**

Discharge Amount:	12,000 GAL
Cause:	LACK OF SYSTEM CAPACITY, RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL
Control Zone:	TEMPORARY SIGNS POSTED AROUND AFFECTED AREA
Impact:	PIPE SUBMERGED NO IMPACT OBSERVED
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN

**Notifications:**

04/19/09 08:56 PM	DISPUB	Temporary signs placed around affected area
04/19/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/19/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	908432	05/16/09 01:00 PM	MARKS JR	LARUE	DOCUMENTED	01/02/04	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/16/09 03:35 PM	

**Spot Inspections:**

Discharge Amount:	7,750 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	NO CLEAN UP PERFORMED, PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE OBSERVED
Repair:	HAULING TO PREVENT DISCHARGE

**Notifications:**

05/16/09 04:23 PM	DISPUB	public notified by temporary signs
05/16/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0095-PS	3011 DERINGTON CT	DERINGTON COURT	GOOSE CREEK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906003	05/08/09 08:15 PM	MARKS JR	DUNN JR	DOCUMENTED	01/01/03	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/08/09 11:10 PM	

**Spot Inspections:**

Discharge Amount:	3,800 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS & TAPE POSTED
Impact:	NO DEBRIS, JUST WASTEWATER
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN

**Notifications:**

05/08/09 09:18 PM	DISPUB	public notified by temporary signs and msd website
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0022411 (Cont'd)	<b>Facility ID</b> MSD0278	<b>Water Quality Treatment Center</b> MORRIS FORMAN	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SLS Sewer Lift Station	MSD0183-PS	3450 GLENVIEW AVE	GLENVIEW HILLS	OHIO RIVER	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906006	05/08/09 09:30 PM	MARKS JR	DUNN JR	DOCUMENTED	03/20/02	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 12:40 AM	

**Spot Inspections:**

Discharge Amount:	9,500 GAL
Cause:	POWER FAILURE AND LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMP SIGNS POSTED
Impact:	NO DEBRIS, JUST WASTEWATER
Repair:	GENERATOR PLACED UNTIL POWER CAN BE RESTORED

**Notifications:**

05/08/09 09:30 PM	DISPUB	public notified by temporary signs and update on msd web site
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov





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

<b>KPDES #</b> KY0098540	<b>Facility ID</b> MSD0289	<b>Water Quality Treatment Center</b> CEDAR CREEK	<b>Receiving Stream of Treatment Center</b> CEDAR CREEK	<b>Region</b> CENT
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SSL Sewer Service Line	160264	6023 COOPER CHAPEL RD		FISHPOOL CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921251	06/18/09 01:00 PM	ELDER	HATHAWAY	DOCUMENTED	06/03/06	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 02:27 PM	

**Spot Inspections:**

Discharge Amount:	9,525 GAL
Cause:	LACK OF CAPACITY, RAIN EVENT IN AREA
Clean Up:	MSD CLEANED & SANITIZED AREA
Control Zone:	TEMPORARY SIGHS POSTED AROUND AFFECTED AREA
Impact:	SEWAGE & DEBRIS
Repair:	HAULED TO PREVENT OTHER DISCHARGE

**Notifications:**

06/18/09 06:45 PM	DISPUB	Temporary signs posted around affected area
06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0098540 (Cont'd)	<b>Facility ID</b> MSD0289	<b>Water Quality Treatment Center</b> CEDAR CREEK	<b>Receiving Stream of Treatment Center</b> CEDAR CREEK	<b>Region</b> CENT
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<b>Facility Type</b> SPL Sewer Treatment Plant	<b>Facility ID</b> MSD0289	<b>Facility Address</b> 8605 CEDAR CREEK RD	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> CEDAR CREEK	<b>Discharge to</b> GROUND
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	898050	04/19/09 11:49 PM	ELDER	LAMBDIN JR	REPAIRED - ISSUE RESOLVED	04/19/09	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	04/20/09 12:22 AM	

**Spot Inspections:**

Discharge Amount:	16,500 GAL
Cause:	RAIN EVENT IN AREA CAUSING PLANT DRAINS TO OVERWHELM WETWELL, 4 OF THE PUMPS WERE OUT OF SERVICE FOR MAINTENANCE OF THE WETWELL & OPS FAILED TO RESET
Clean Up:	MSD CLEANED & SANITIZED AREA & SPREAD LIME.
Control Zone:	TEMPORARY SIGNS POSTED AROUND AFFECTED AREA. PERMANENT SIGNS ALONG CREEK
Impact:	SEWAGE TO CREEK
Repair:	REPLACED MH COVER

**Notifications:**

04/20/09 09:36 AM	DISPUB	TEMPORARY SIGNS POSTED AROUND AFFECTED AREA. PERMANENT SIGNS ALONG CREEK
04/20/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0029114	<b>Facility ID</b> MSD0292	<b>Water Quality Treatment Center</b> HUNTING CREEK SOUTH	<b>Receiving Stream of Treatment Center</b> HARRODS CREEK	<b>Region</b> EAST
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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

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906001	05/08/09 08:10 PM	MARKS JR	HOWARD	DOCUMENTED	12/16/00	LACK OF SYSTEM CAPACITY	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 12:50 AM	

**Spot Inspections:**

Discharge Amount:	8,400 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD CLEANED & SANITIZED AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	NO DEBRIS, JUST WASTEWATER
Repair:	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN

**Notifications:**

05/08/09 12:00 AM	DISPUB	public notified by signs and msd web site
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0029114 (Cont'd)	<b>Facility ID</b> MSD0292	<b>Water Quality Treatment Center</b> HUNTING CREEK SOUTH	<b>Receiving Stream of Treatment Center</b> HARRODS CREEK	<b>Region</b> EAST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SLS Sewer Lift Station	MSD1065-PS	6808 FAIRWAY VIEW CT	FAIRWAY VIEW	HARRODS CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	909503	05/20/09 12:20 PM	SINGLETON	COOMER	DOCUMENTED	10/14/02	POWER OUTAGE (LG&E)	UNAUTHORIZED DISCHARGE - WATERS	05/20/09 12:30 PM	

**Spot Inspections:**

Discharge Amount:	100 GAL
Cause:	LG&E POWER FAIL
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS POSTED
Impact:	SEWAGE WAS OBSERVED
Repair:	HAULED UNTIL POWER WAS RESTORED. HAULOP #909510

**Notifications:**

05/20/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/05/09 03:00 PM	DISPUB	Public notified with temporary signs placed around overflow.



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

<b>KPDES #</b> KY0102784	<b>Facility ID</b> MSD0294	<b>Water Quality Treatment Center</b> FLOYDS FORK	<b>Receiving Stream of Treatment Center</b> FLOYDS FORK	<b>Region</b> EAST
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SPL Sewer Treatment Plant	MSD0294	1100 BLUE HERON RD		FLOYDS FORK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906059	05/09/09 12:50 AM	MARKS JR	KAISER	REPAIRED - ISSUE RESOLVED	07/14/09	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 01:50 AM	

**Spot Inspections:**

Discharge Amount:	20,000 GAL
Cause:	RAINEVENT CAUSED SURGE IN PLANT FLOW CAUSING SAND FILTERS TO OVERFLOW
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	TEMP SIGNS POSTED
Impact:	SOLIDS AND DEBRIS OBSERVED
Repair:	OPENED BYPASS GATE TO ALLEVIATE FLOW

**Notifications:**

05/09/09 11:50 AM	DISPUB	public notified by signs and msd website
05/09/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0102784 (Cont'd)	<b>Facility ID</b> MSD0294	<b>Water Quality Treatment Center</b> FLOYDS FORK	<b>Receiving Stream of Treatment Center</b> FLOYDS FORK	<b>Region</b> EAST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906122	05/09/09 03:45 PM	MARKS JR	DUNN JR	REPAIRED - ISSUE RESOLVED	07/14/09	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/12/09 01:40 PM	

**Spot Inspections:**

Discharge Amount:	8,970,000 GAL
Cause:	HIGH INFLUENT FLOW CAUSED,SAND FILTERS TO OVERFLOW(30,000 GAL),SOLIDS TO WASH OUT OF SECONDARY TO CREEK(50,000 GAL) AND NO TERTIARY TREATMENT(8.89 MG)
Clean Up:	AREA CLEANED AND SANITIZED
Control Zone:	SIGNS POSTED
Impact:	SOLIDS OBSERVED LEAVING PLANT
Repair:	OPENED BYPASS GATE ON SAND FILTERS, TURNED OFF AERATORS, CLEANED SAND FILTERS AND FIXED COUPLING

**Notifications:**

05/09/09 06:52 PM	DISPUB	signs posted to warn public and msd updated web site
05/09/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/09/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0042226	<b>Facility ID</b> MSD0403	<b>Water Quality Treatment Center</b> CHENOWETH RUN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1169-LS	14310 LAKE FOREST DR	LAKE FOREST	CHENOWETH RUN	CATCH BASIN

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	920014	06/16/09 07:29 AM	ELDER	LAMB DIN JR	REPAIRED - ISSUE RESOLVED	06/16/09	MECHANICAL FAILURE	UNAUTHORIZED DISCHARGE - WATERS	06/16/09 07:42 AM	

**Spot Inspections:**

Discharge Amount:	100 GAL
Cause:	MECH, PUMP SHORTED TO ELECTRICAL GROUND CAUSING BOTH PUMPS TO FAIL
Clean Up:	CONTRACTOR TO CLEAN & VACTOR DEBRIS FROM LAKE. B&H IN ROUTE TO SITE 10:00AM
Control Zone:	TEMPORARY SIGNS & DOOR CARDS
Impact:	DEBRIS OBSERVED IN THE LAKE
Repair:	HAUL WET WELL TO STOP OVERFLOW SAP WO# 5213510. PULL PUMPS FOR REPAIR, RETURN 1 PUMP TO SERVICE

**Notifications:**

06/16/09 10:10 AM	DISPUB	Temporary Signs posted around affected area & door cards on homes in area, update MSD website
06/16/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/16/09 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 57

Total Work Orders Printed: 89

Appendix B-2 - Discharge Work Orders – Bypass





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

<b>KPDES #</b> KY0031712	<b>Facility ID</b> MSD0247	<b>Water Quality Treatment Center</b> STARVIEW	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SPL Sewer Treatment Plant	MSD0247	423 BERMUDA WAY		CHENOWETH RUN	STREAM

<b>Activity Code / Description</b>	<b>WO #</b>	<b>Initiated</b>	<b>Initiated By</b>	<b>Assigned To</b>	<b>Disch Status</b>	<b>Status Date</b>	<b>Problem</b>	<b>Result</b>	<b>Completed</b>	<b>Condition</b>
DISREV: RAIN EVENT DISCHARGE	921140	06/18/09 02:17 PM	ELDER	VIERLING	REPAIRED - ISSUE RESOLVED	06/18/09	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 03:00 PM	

**Spot Inspections:**

Discharge Amount:	1,075 GAL
Cause:	LOSS OF POWER FROM LG&E THUNDER STORM
Clean Up:	MSD CLEANED & SANITIZED THE AREA
Control Zone:	TEMPORARY SIGNS
Impact:	SEWAGE ON THGE GROUND
Repair:	PLACED GENERATOR, 105KW, MSD#0020

**Notifications:**

06/18/09 03:26 PM	DISPUB	Temporary signs
06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SPL Sewer Treatment Plant	MSD0255	10725 OLD TAYLORSVILLE RD		CHENOWETH RUN	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	908502	05/18/09 02:29 AM	ELDER	LAMB DIN JR	DOCUMENTED	01/14/07	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/18/09 03:10 AM	

**Spot Inspections:**

Discharge Amount:	62,383 GAL
Cause:	POWER FAIL LG&E (BLIP) CAUSED DEVICENET TO SHUT DOWN
Clean Up:	NOT POSSIBLE, FLOWS DIRECT TO CREEK
Control Zone:	PERMANANT SIGNS ALONG CREEK
Impact:	NONE OBSERVED
Repair:	PUT UV IN MANUAL & RESET DEVICE NET TO RESTORE UV SYSTEM TO SERVICE

**Notifications:**

05/18/09 07:24 AM	DISPUB	Permanant signs along creek
05/18/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	921262	06/18/09 07:37 PM	ELDER	CISELL	DOCUMENTED	01/14/07	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/18/09 08:45 PM	

**Spot Inspections:**

Discharge Amount:	377,559 GAL
Cause:	UV SYSTEM MOTHERBOARD FAILED
Clean Up:	NO CLEANUP
Control Zone:	NO CONTROL ZONE REQUIRED
Impact:	NO IMPACT OBSERVED
Repair:	REPLACED MOTHERBOARD & RETURNED TO SERVICE

**Notifications:**

06/18/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/19/09 01:00 AM	DISPUB	Posted on Project WIN
06/18/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0029459	<b>Facility ID</b> MSD0263	<b>Water Quality Treatment Center</b> CHENOWETH HILLS	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b> SPL Sewer Treatment Plant	<b>Facility ID</b> MSD0263	<b>Facility Address</b> 4305 ST RENE CT	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b> CHENOWETH RUN	<b>Discharge to</b> STREAM
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905614	05/08/09 07:44 AM	SINGLETON	TUTTLE	DOCUMENTED	09/27/02	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/08/09 08:46 AM	

**Spot Inspections:**

Discharge Amount:	21,454 GAL
Cause:	LACK OF SYSTEM CAPACITY
Clean Up:	MSD PERSONNEL CLEANED & SANITIZED THE AREA.
Control Zone:	TEMPORARY SIGNS PLACED AROUND THE AREA.
Impact:	SOLIDS OBSERVED.
Repair:	STORM FLOW RECEDED

**Notifications:**

05/08/09 07:44 AM	DISPUB	Temporary signs placed around the area.
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0078956	<b>Facility ID</b> MSD0277	<b>Water Quality Treatment Center</b> DEREK R. GUTHRIE	<b>Receiving Stream of Treatment Center</b> OHIO RIVER	<b>Region</b> WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0277	11621 LOWER RIVER RD		OHIO RIVER	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISDW: DRY WEATHER DISCHARGE	923712	06/25/09 11:12 AM	SINGLETON	THOMPSON	DOCUMENTED	10/17/06	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/26/09 06:30 AM	

**Spot Inspections:**

Discharge Amount:	20,500,000 GAL
Cause:	MECHANICAL FAILURE- #1 HYPO PUMP NOT PUMPING
Clean Up:	NO DEBRIS; PIPE DISCHARGE SUBMERGED
Control Zone:	NO CONTROL ZONE- PIPE DISCHARGE SUBMERGEED
Impact:	NO IMPACT OBSERVED
Repair:	OPERATOR STARTED #2 HYPO PUMP

**Notifications:**

06/26/09 02:07 PM	DISNOT	Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/26/09 10:53 AM	DISPUB	Permanent signs posted & posted on Project WIN website



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

<b>KPDES #</b> KY0098540	<b>Facility ID</b> MSD0289	<b>Water Quality Treatment Center</b> CEDAR CREEK	<b>Receiving Stream of Treatment Center</b> CEDAR CREEK	<b>Region</b> CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0289	8605 CEDAR CREEK RD		CEDAR CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	898050	04/19/09 11:49 PM	ELDER	LAMBDIN JR	REPAIRED - ISSUE RESOLVED	04/19/09	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	04/20/09 12:22 AM	

**Spot Inspections:**

Discharge Amount:	16,500 GAL
Cause:	RAIN EVENT IN AREA CAUSING PLANT DRAINS TO OVERWHELM WETWELL, 4 OF THE PUMPS WERE OUT OF SERVICE FOR MAINTENANCE OF THE WETWELL & OPS FAILED TO RESET
Clean Up:	MSD CLEANED & SANITIZED AREA & SPREAD LIME.
Control Zone:	TEMPORARY SIGNS POSTED AROUND AFFECTED AREA. PERMANENT SIGNS ALONG CREEK
Impact:	SEWAGE TO CREEK
Repair:	REPLACED MH COVER

**Notifications:**

04/20/09 09:36 AM	DISPUB	TEMPORARY SIGNS POSTED AROUND AFFECTED AREA. PERMANENT SIGNS ALONG CREEK
04/20/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0102784	<b>Facility ID</b> MSD0294	<b>Water Quality Treatment Center</b> FLOYDS FORK	<b>Receiving Stream of Treatment Center</b> FLOYDS FORK	<b>Region</b> EAST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0294	1100 BLUE HERON RD		FLOYDS FORK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906059	05/09/09 12:50 AM	MARKS JR	KAISER	REPAIRED - ISSUE RESOLVED	07/14/09	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 01:50 AM	

**Spot Inspections:**

Discharge Amount:	20,000 GAL
Cause:	RAINEVENT CAUSED SURGE IN PLANT FLOW CAUSING SAND FILTERS TO OVERFLOW
Clean Up:	MSD CLEANED AND SANITIZED AREA
Control Zone:	TEMP SIGNS POSTED
Impact:	SOLIDS AND DEBRIS OBSERVED
Repair:	OPENED BYPASS GATE TO ALLEVIATE FLOW

**Notifications:**

05/09/09 11:50 AM	DISPUB	public notified by signs and msd website
05/09/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0102784 (Cont'd)	<b>Facility ID</b> MSD0294	<b>Water Quality Treatment Center</b> FLOYDS FORK	<b>Receiving Stream of Treatment Center</b> FLOYDS FORK	<b>Region</b> EAST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	906122	05/09/09 03:45 PM	MARKS JR	DUNN JR	REPAIRED - ISSUE RESOLVED	07/14/09	BYPASS AT WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/12/09 01:40 PM	

**Spot Inspections:**

Discharge Amount:	8,970,000 GAL
Cause:	HIGH INFLUENT FLOW CAUSED,SAND FILTERS TO OVERFLOW(30,000 GAL),SOLIDS TO WASH OUT OF SECONDARY TO CREEK(50,000 GAL) AND NO TERTIARY TREATMENT(8.89 MG)
Clean Up:	AREA CLEANED AND SANITIZED
Control Zone:	SIGNS POSTED
Impact:	SOLIDS OBSERVED LEAVING PLANT
Repair:	OPENED BYPASS GATE ON SAND FILTERS, TURNED OFF AERATORS, CLEANED SAND FILTERS AND FIXED COUPLING

**Notifications:**

05/09/09 06:52 PM	DISPUB	signs posted to warn public and msd updated web site
05/09/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/09/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 6

Total Work Orders Printed: 8





Appendix B-3 - Discharge Work Orders – Blending





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

<b>KPDES #</b> KY0025194	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<b>Facility Type</b>	<b>Facility ID</b>	<b>Facility Address</b>	<b>If Pump Station, Name of Pump Station:</b>	<b>Receiving Stream</b>	<b>Discharge to</b>
SPL Sewer Treatment Plant	MSD0255	10725 OLD TAYLORSVILLE RD		CHENOWETH RUN	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Status Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	893523	04/03/09 05:54 AM	MARKS JR	TUTTLE	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	04/03/09 12:25 PM	

**Spot Inspections:**

Peak Plant Flow when Blending:	12,170,000 GPD
Total Plant Flow when Blending:	7,017,000 GAL
Discharge Amount:	219,479 GAL
Cause:	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT
Clean Up:	NO CLEAN UP REQUIRED
Control Zone:	SIGNS POSTED AND PUBLIC NOTIFIED BY WEB SITE
Impact:	NO IMPACT OBSERVED
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW BLENDING AT THIS LOCATION

**Notifications:**

04/03/09 04:00 PM	DISPUB	public notified by signs posted and msd web site
04/03/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	897772	04/19/09 03:26 PM	ELDER	SMITH	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	04/19/09 11:57 PM	

**Spot Inspections:**

Peal Plant Flow when Blending:	15,180,000 GPD
Total Plant Flow when Blending:	6,294,000 GAL
Discharge Amount:	679,890 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT POSSIBLE, BLENDED FLOW FROM PRIMARY TO UV DISINFECTION
Control Zone:	BLENDED FLOW FROM PRIMARY TO UV DISINFECTION NO CONTROL ZONE NECESSARY
Impact:	BLENDED FLOW FROM PRIMARY TO UV DISINFECTION OBSERVED
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

**Notifications:**

04/19/09 05:19 PM	DISPUB	Permenant signs along creek waterways
04/19/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
04/19/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	898040	04/20/09 07:14 AM	ELDER	VIERLING	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	04/20/09 01:13 PM	

**Spot Inspections:**

Peal Plant Flow when Blending:	10,889,000 GPD
Total Plant Flow when Blending:	7,690,000 GAL
Discharge Amount:	57,951 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	CLEANUP NOT POSSIBLE, BLENDED FLOW FROM PRIMARY TO UV DISINFECTION
Control Zone:	BLENDED FLOW FROM PRIMARY TO UV DISINFECTION NO CONTROL ZONE NECESSARY
Impact:	BLENDED FLOW FROM PRIMARY TO UV DISINFECTION OBSERVED
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

**Notifications:**

04/20/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/13/09 10:35 AM	DISPUB	Public was notified through updates to Project Win website.
04/20/09 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	905866	05/08/09 04:47 PM	ELDER	PFEISTER	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	05/09/09 08:38 AM	

**Spot Inspections:**

Peal Plant Flow when Blending:	17,200,000 GPD
Total Plant Flow when Blending:	13,630,000 GAL
Discharge Amount:	1,934,989 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	NO CLEANUP NECESSARY
Control Zone:	PERMENANT SIGNS ALONG CREEK
Impact:	NONE OBSERVED
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

**Notifications:**

05/08/09 05:11 PM	DISPUB	Permenant signs placed along creek
05/08/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
05/08/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	916888	06/10/09 06:15 PM	MARKS JR	PFEISTER	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/10/09 06:37 PM	

**Spot Inspections:**

Peal Plant Flow when Blending:	8,347,000 GPD
Total Plant Flow when Blending:	3,597,000 GAL
Discharge Amount:	387 GAL
Cause:	ELECTRICAL FAILURE OF #1 PUMP @ THE INFLUENT PUMP STATION
Clean Up:	NO CLEAN UP NECESSARY
Control Zone:	SIGNS POSTED
Impact:	NONE OBSERVED
Repair:	RESET #1 PUMP AND RESTARTED PUMP AND BLEND STOPPED

**Notifications:**

06/10/09 08:10 PM	DISPUB	public notified by signs posted and msd web site update
06/10/09 01:00 PM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/10/09 01:00 PM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	917355	06/11/09 11:14 PM	SINGLETON	TUTTLE	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/11/09 11:47 PM	

**Spot Inspections:**

Peal Plant Flow when Blending:	9,091,000 GPD
Total Plant Flow when Blending:	4,785,000 GAL
Discharge Amount:	3,289 GAL
Cause:	PUMP #4 WOULDN'T START
Clean Up:	NO CLEANUP
Control Zone:	PERMANENT SIGNS UP
Impact:	NO VISUAL IMPACT OBSERVED
Repair:	REROUTED ELECTRICAL CABLE TO INFLUENT PUMP ENABLING OPERATION OF THE PLANT

**Notifications:**

06/12/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
07/15/09 10:10 AM	DISPUB	Notification made through Project WIN website, email listserve and permanent signs.



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

<b>KPDES #</b> KY0025194 (Cont'd)	<b>Facility ID</b> MSD0255	<b>Water Quality Treatment Center</b> JEFFERSONTOWN	<b>Receiving Stream of Treatment Center</b> CHENOWETH RUN	<b>Region</b> CENT
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Assigned To</u>	<u>Disch Status</u>	<u>Event Date</u>	<u>Problem</u>	<u>Result</u>	<u>Completed</u>	<u>Condition</u>
DISREV: RAIN EVENT DISCHARGE	920946	06/18/09 11:44 AM	ELDER	STEPHENSON	DOCUMENTED	01/14/07	BLENDING AT JTOWN WQTC	UNAUTHORIZED DISCHARGE - WATERS	06/19/09 12:38 AM	

**Spot Inspections:**

Peal Plant Flow when Blending:	26,740,000 GPD
Total Plant Flow when Blending:	12,286,000 GAL
Discharge Amount:	1,048,935 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	NO CLEANUP NECESSARY
Control Zone:	PERMENANT SIGNS ALONG CREEK
Impact:	NONE OBSERVED
Repair:	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

**Notifications:**

06/18/09 12:23 PM	DISPUB	Permenant signs placed along creek & web site updated.
06/18/09 01:00 AM	DISNOT	Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov
06/18/09 01:00 AM	DISSNO	Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov

Total Facilities Printed: 1

Total Work Orders Printed: 7



Appendix C – Annual Average Overflow Volume

Louisville MSD  
Existing Condition AAOV

CSO	CSO NAME	RECEIVING STREAM	Drainage Area (Acres)	October 2008 IWCS (ver8.0)		January 2009 IWCS (ver 9.5)		Change in AAOV (MG/YR) Jan-Oct
				AAOV (MG/YR)	OF Incidents (# OF/YR)	AAOV (MG/YR)	OF Incidents (# OF/YR)	
015	SOUTHWESTERN PS	OR	7,496.7	1177.03	56	845.75	66	-331.28
016	MILES PARK BYPASS	OR		82.38	37	29.94	30	-52.44
018	NIGHTINGALE PS	SF BGC		49.00	16	44.93	16	-4.07
019	34th STREET PS	OR	1,094.0	297.92	60	305.40	60	7.48
020	BUCHANAN PS	OR	86.6	6.46	14	6.60	12	0.14
022	FOURTH ST PS	OR	100.9	0.95	4	0.96	4	0.00
023	ORI @ 4th ST PS	OR		85.96	26	76.78	28	-9.18
026	CRD 6th & BROADWAY	OR	8.4	0.00	0	0.00	0	0.00
027	CRD 7th & BROADWAY	OR	10.1	0.00	0	0.00	0	0.00
028	CRD 6th & YORK	OR	6.1	0.00	0	0.00	0	0.00
029	CRD 8th & YORK	OR	34.8	5.66	33	5.66	33	0.00
030	CRD 9th & YORK "A"	OR	Eliminated					
031	CRD 6th & BRECKINRIDGE	OR	3.7	0.00	0	0.00	0	0.00
032	CRD 4th & BRECKINRIDGE	OR	Eliminated					
033	CRD ON YORK E OF 4th	OR	Eliminated					
034	CRD 4th & YORK	OR	5.1	0.00	0	0.00	0	0.00
035	CRD 2nd & BROADWAY NO 1	OR	14.3	0.23	11	0.23	11	0.00
036	CRD 3rd & BROADWAY	OR	23.1	0.03	4	0.03	4	0.00
038	CRD 5th & BROADWAY	OR	9.5	0.00	0	0.00	0	0.00
049	PRESTON ST	OR	Eliminated					
050	12th STREET	OR	36.3	43.75	42	39.77	41	-3.98
051	11th STREET	OR	6.3	4.95	27	3.90	28	-1.05
052	10th STREET	OR	8.7	9.81	33	8.66	30	-1.15
053	8th STREET	OR	34.1	4.61	23	4.54	23	-0.07
054	7th STREET	OR	7.1	0.11	32	0.11	23	0.00
055	6th STREET	OR	18.0	21.10	34	19.17	31	-1.93
056	5th STREET	OR	22.0	2.91	18	2.81	18	-0.10
057	FIRST STREET OVFL WEIR	OR		0.00	0	0.00	0	0.00
058	PRESTON ST OVFL WEIR	OR	105.4	121.51	51	124.16	51	2.65
062	LOGAN COMPANY	OR		0.00	0	0.00	0	0.00
065	LAMPTON STREET	SF BGC	Eliminated					
080	PAYNE STREET	MF BGC	Eliminated					
081	LETTERLE	SF BGC	Eliminated					
082	BGI AT BGC	SF BGC		1.16	24	1.13	24	-0.03
083	BRENT ST & BROADWAY CONNEC	SF BGC	38.1	0.00	0	0.00	0	0.00
084	BRENT ST @ BGC	SF BGC	125.1	17.96	34	17.94	34	-0.02
086	PAYNE AT SPRING	MF BGC	6.1	0.00	0	0.00	0	0.00
087	BLUEHORSE	SF BGC	Eliminated					
088	MELLWOOD AVE INT	SF BGC	18.8	0.58	6	0.58	6	0.00
091	SCHILLER AVE OVFL	SF BGC	15.0	1.62	34	1.62	34	0.00
092	ST CATHERINE @ BGC	SF BGC	7.7	0.00	0	0.00	0	0.00
093	SPRING STREET	SF BGC	20.8	1.81	37	1.81	37	0.00
097	CANTONMENT SIPHON NO 2	SF BGC		16.19	44	16.07	45	-0.12
104	SW PKWY SEWER @ BROADWAY	OR	62.0	0.20	5	0.20	5	0.00
105	WESTERN OUTFALL @ BROADWAY	OR	1,881.2	21.43	19	21.46	19	0.03
106	ROYAL - NEFF	SF BGC	11.8	0.34	17	0.34	17	0.00
108	REG N0 1 - NEWBURG	SF BGC	485.2	31.83	13	36.07	27	4.24

Louisville MSD  
Existing Condition AAOV

CSO	CSO NAME	RECEIVING STREAM	Drainage Area (Acres)	October 2008 IWCS (ver8.0)		January 2009 IWCS (ver 9.5)		Change in AAOV (MG/YR) Jan-Oct
				AAOV (MG/YR)	OF Incidents (# OF/YR)	AAOV (MG/YR)	OF Incidents (# OF/YR)	
109	REG NO 2 - DEER PARK	SF BGC	95.4	0.27	3	0.27	3	0.00
110	REG NO 3 - GOSS AVE	SF BGC	73.0	30.49	44	30.39	43	-0.10
111	EMERSON STREET SEWER	SF BGC	99.4	0.00	0	0.00	0	0.00
113	ELLISON AVENUE SEWER	SF BGC	67.6	7.74	37	7.74	37	0.00
117	REG NO 11 - DRY RUN	SF BGC	74.2	94.99	41	94.13	41	-0.86
118	REG NO 15 - E BRDWY	SF BGC	354.1	100.49	39	100.17	39	-0.32
119	BRENT STREET SEWER	SF BGC	7.6	12.59	40	12.51	40	-0.08
120	PHOENIX HILL SEWER	SF BGC	16.5	9.24	51	9.24	51	0.00
121	REG NO 18 - GREEN ST	SF BGC	107.2	11.26	28	11.23	28	-0.03
123	REG NO 20 - RUTH-SULGRV	MF BGC	Eliminated					
125	REG NO 24 - GRINSTEAD DR	MF BGC	391.0	48.58	55	48.63	54	0.05
126	REG NO 26 - RAYMOND AVE	MF BGC	35.3	0.55	13	0.55	13	0.00
127	ETLEY AVENUE	MF BGC	192.3	4.63	21	4.63	21	0.00
130	WEBSTER STREET	SF BGC	28.4	0.86	10	0.85	10	-0.01
131	REG NO 33 - MELWD & FRANKFOR	SF BGC	50.3	0.06	3	0.06	3	0.00
132	REG NO 35 - BROWNSBORO	MudF BGC	674.0	149.39	56	149.36	56	-0.03
137	CALVARY CEMETARY	SF BGC	26.7	3.94	37	3.93	37	-0.01
140	LOCUST STREET	MF BGC	75.5	17.01	54	17.01	54	0.00
141	BAXTER AVE @ BGC	SF BGC	7.7	5.07	27	5.06	27	-0.01
143	KENTUCKY ST BLOW-OFF	SF BGC	Eliminated					
144	VANCE ST REGULATOR	MF BGC	16.4	0.00	0	0.00	0	0.00
145	POINT PUMP STATION	SF BGC	Eliminated					
146	SNEADS BRANCH DIVERSION	SF BGC	112.6	50.45	46	52.57	58	2.12
147	SWAN STREET DIVERSION	SF BGC	Eliminated					
148	EASTERN PKWY DIVERSION	SF BGC	24.9	1.27	26	1.27	26	0.00
149	DRY RUN DIVERSION	SF BGC	226.5	56.93	38	56.78	37	-0.15
150	8th ST @ COMMON PLACE	OR	1.8	8.50	35	7.95	32	-0.55
151	REG NO 5 - CASTLEWOOD	SF BGC	219.7	85.00	56	86.01	57	1.01
152	REG NO 7 - SOUTHEASTERN	SF BGC	260.6	76.43	52	76.34	52	-0.09
153	COOPER STREET	SF BGC	41.7	15.67	56	15.66	56	-0.01
154	MELLWOOD @ SCHOEFFEL	MudF BGC	31.0	1.96	16	1.96	16	0.00
155	ROWAN ST @ 12th ST	OR	11.9	2.06	39	2.05	39	-0.01
156	6th & WASHINGTON SAN DIV	OR		0.12	12	0.10	11	-0.02
160	SEWER IN ALLEY SAN DIV	OR	2.0	0.28	28	1.24	76	0.96
161	MARKET ST SAN DIV	OR	2.5	0.01	1	0.001	1	-0.01
162	BEALS BRANCH HW REG	MF BGC	Eliminated					
166	BEALS BRANCH SAN DIV	MF BGC	696.6	10.09	19	10.13	19	0.04
167	BROWNSBORO LAT NO 2	MudF BGC	11.0	1.00	12	0.95	12	-0.05
172	ADAMS STREET	OR	13.7	1.28	31	1.28	31	0.00
178	CRD 9th & YORK "B"	OR	58.0	1.44	16	1.44	16	0.00
179	KENTUCKY ST SEWER OVFL	SF BGC	456.2	0.00	0	0.00	0	0.00
181	CRD 2nd & BROADWAY NO 2	OR	22.6	0.27	11	0.01	3	-0.26
189	NORTHWESTERN SAN DIV	OR	1,148.7	184.41	38	175.86	37	-8.55
190	SEVENTEENTH ST SAN DIV	OR	145.4	36.19	49	36.19	49	0.00
191	ALGONQUIN PKWY SAN DIV	OR	339.7	51.08	30	40.26	21	-10.82
192	CRD S 6th & GARLAND	OR	9.0	0.00	0	0.00	0	0.00

Louisville MSD  
Existing Condition AAOV

CSO	CSO NAME	RECEIVING STREAM	Drainage Area (Acres)	October 2008 IWCS (ver8.0)		January 2009 IWCS (ver 9.5)		Change in AAOV (MG/YR) Jan-Oct
				AAOV (MG/YR)	OF Incidents (# OF/YR)	AAOV (MG/YR)	OF Incidents (# OF/YR)	
193	CRD S 6th & KENTUCKY	OR	22.7	0.04	5	0.04	5	0.00
194	CRD S OAK W OF 4th	OR	Eliminated					
195	CRD S 4th & OAK	OR	7.3	2.19	55	2.19	55	0.00
196	CRD S 3rd & OAK	OR	2.2	0.24	19	0.13	11	-0.11
197	CRD S 3rd S OF OAK	OR	4.5	4.17	53	3.02	47	-1.15
198	CRD S 3rd & ORMSBY	OR	4.4	0.00	5	0.00	2	0.00
199	CRD S 3rd N OF MAGNOLIA	OR	8.6	0.46	45	0.46	45	0.00
200	CRD S 3rd & MAGNOLIA	OR	10.3	4.91	65	4.91	65	0.00
201	CRD S 5th & KENTUCKY	OR	8.3	0.00	0	0.00	0	0.00
202	CRD S ORMSBY W OF 3rd	OR	5.3	0.09	13	0.09	13	0.00
203	CRD S 4th & ORMSBY	OR	14.2	0.00	0	0.00	0	0.00
204	CRD S FIFTH & BRECKINRIDGE	OR	Eliminated					
206	CHEROKEE PARK @ SPRING DR	MF BGC	464.6	8.64	39	19.91	52	11.27
207	2nd & JEFFERSON	OR	2.3	0.05	2	0.04	1	-0.02
208	12th & JEFFERSON	OR	11.2	0.33	11	0.33	11	0.00
209	CHEROKEE PK @ PARK BD RD	MF BGC	Eliminated					
210	45th STREET-GREENWOOD	OR	166.7	503.73	52	197.29	51	-306.44
211	MAIN DIVERSION STRUCTURE	OR	3,554.9	465.55	29	377.61	29	-87.94
<b>SBR</b>	<b>CSOs 142,174,180,182,183,184,185,186,187,188,205</b>			<b>12.15</b>	<b>9</b>	<b>12.14</b>	<b>9</b>	<b>-0.01</b>

**Total                    4,092                    2,326                    3,299                    2,359**

**Total AAOV Difference (MG/YR)    613.94                    -793.04**  
**Total AAOV Difference (Percentage)    15%                    -19%**

**Details of Individual SBR CSOs**

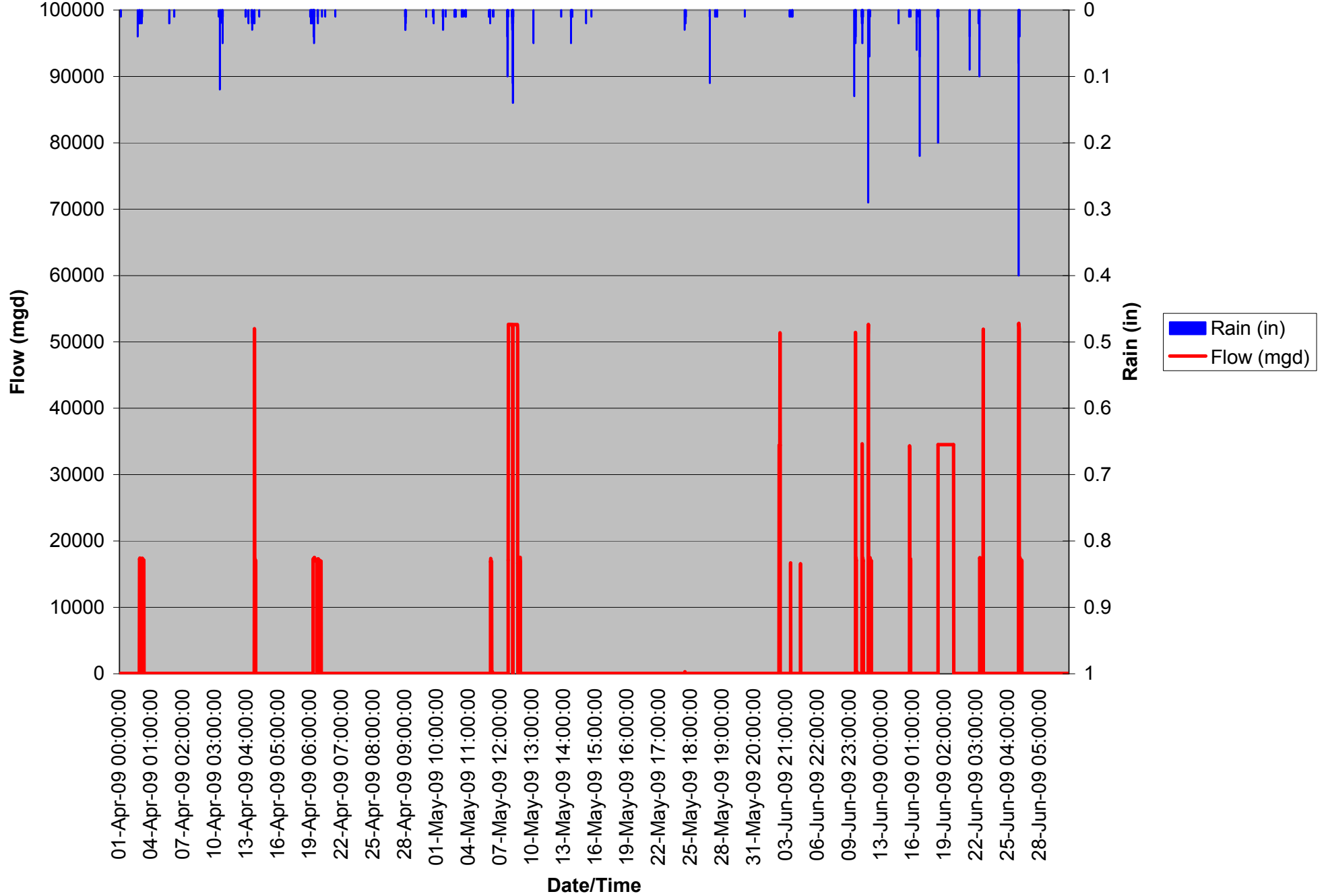
<b>SBR</b>	<b>CSOs 142,174,180,182,183,184,185,186,187,188,205</b>							
142	SBR LOGAN ST @ ST CATHERINE	SF BGC	157.5	0.00	0	0.00	0	
174	SBR GOSS & BOYLE	SF BGC	6.8	37.31	57	37.30	57	
180	SBR ORMSBY AVE RELIEF	SF BGC	221.6	0.27	11	0.27	11	
182	SBR SHELBY & BURNETT	SF BGC	3.6	44.75	44	44.76	44	
183	SBR ALEXANDER & KESWICK	SF BGC	104.8	0.00	0	0.00	0	
184	SBR FETTER & ALEXANDER	SF BGC	108.2	0.43	13	0.43	13	
185	SBR SHELBY & KESWICK	SF BGC	4.7	0.55	7	0.55	7	
186	SBR LOGAN & OAK	SF BGC	7.2	0.00	0	0.00	0	
187	SBR SHELBY & CAMP	SF BGC	13.1	0.00	0	0.00	0	
188	SBR SHELBY & CLAY	SF BGC	11.5	0.03	8	0.03	8	
205	SBR MORGAN STREET RELIEF	SF BGC	9.5	0.00	0	0.00	0	



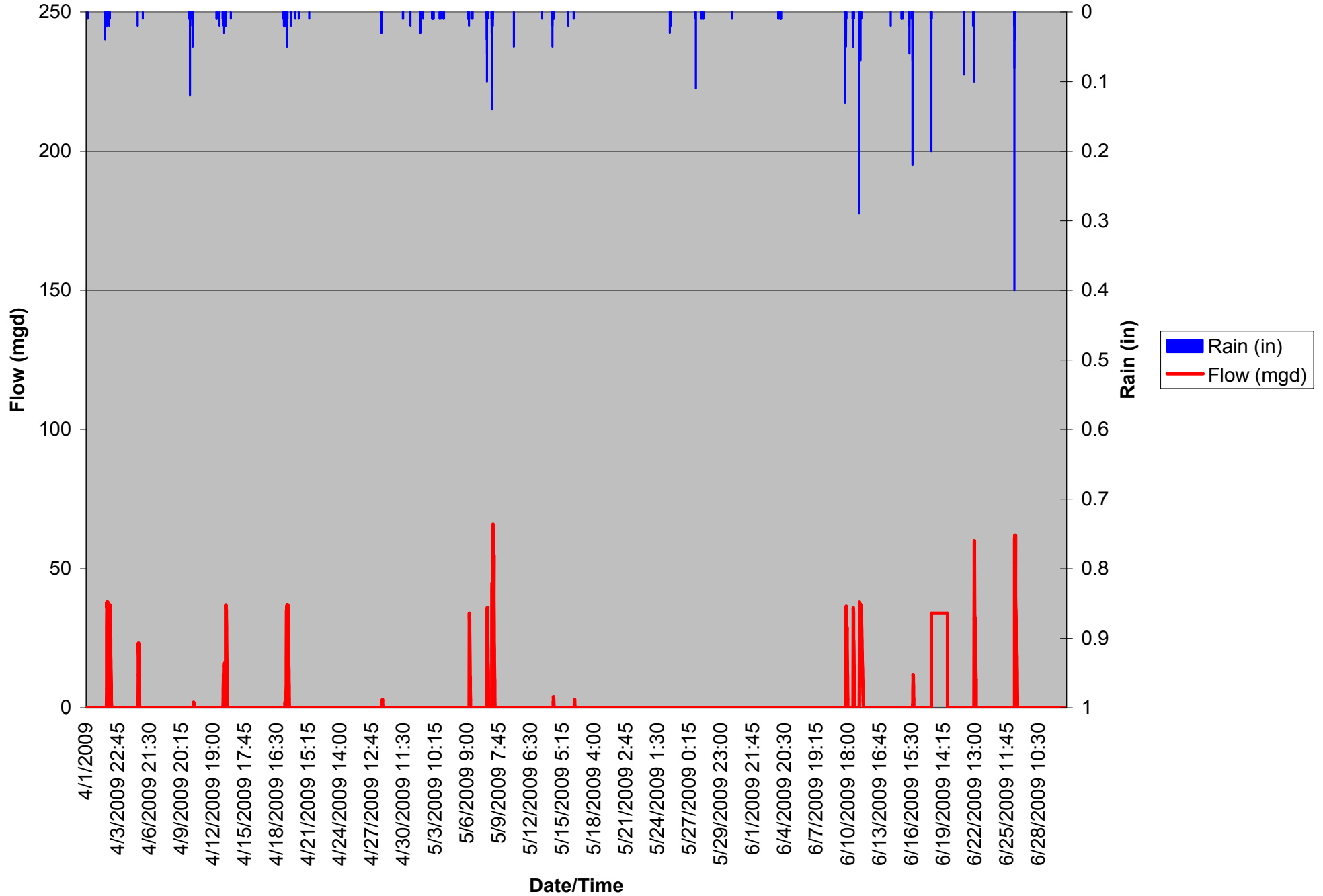
Appendix D – CSO Flow Monitoring Data



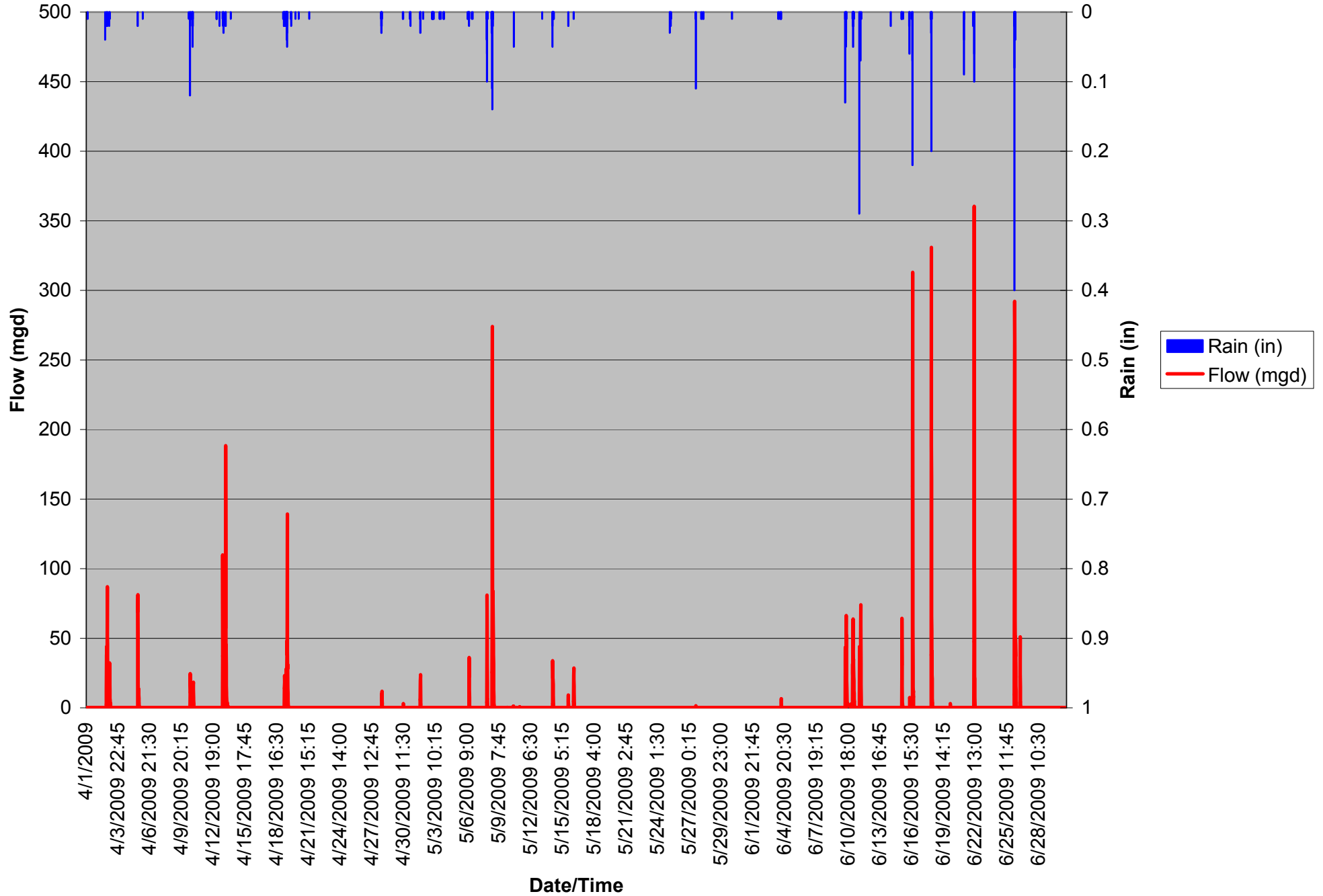
# Flow and Rain at CSO 15



# Flow and Rain at CSO 16

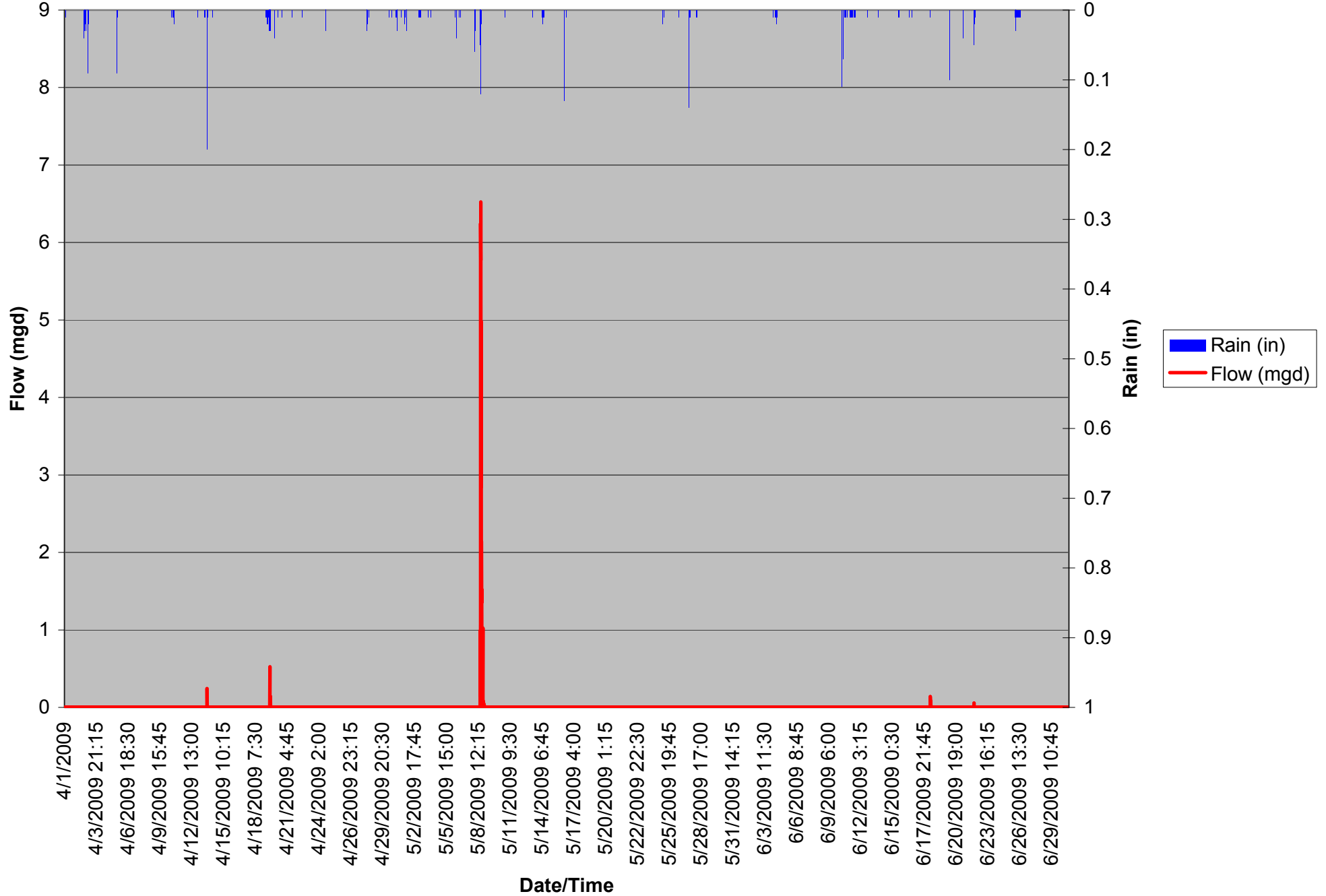


# Flow and Rain at CSO 19

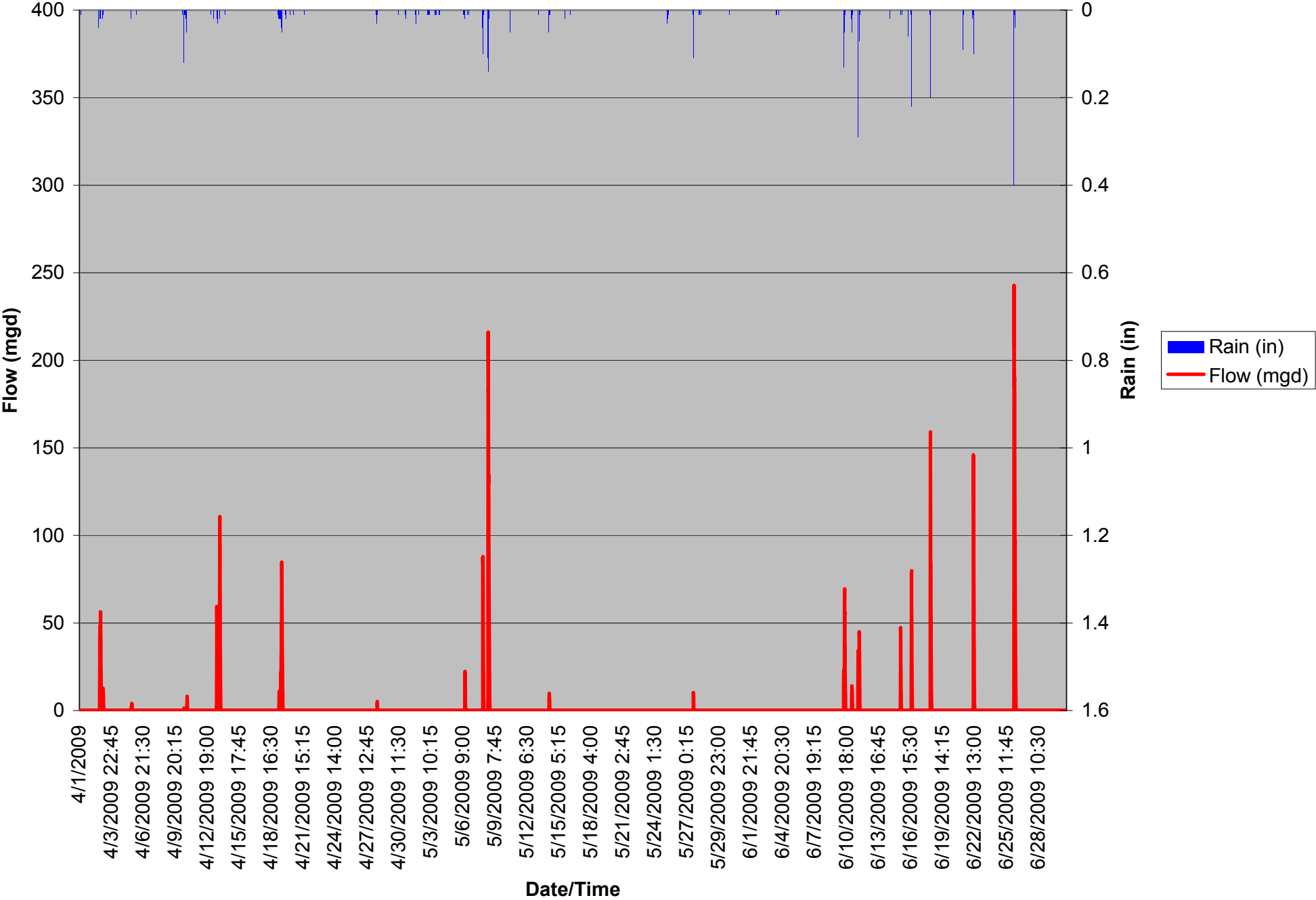




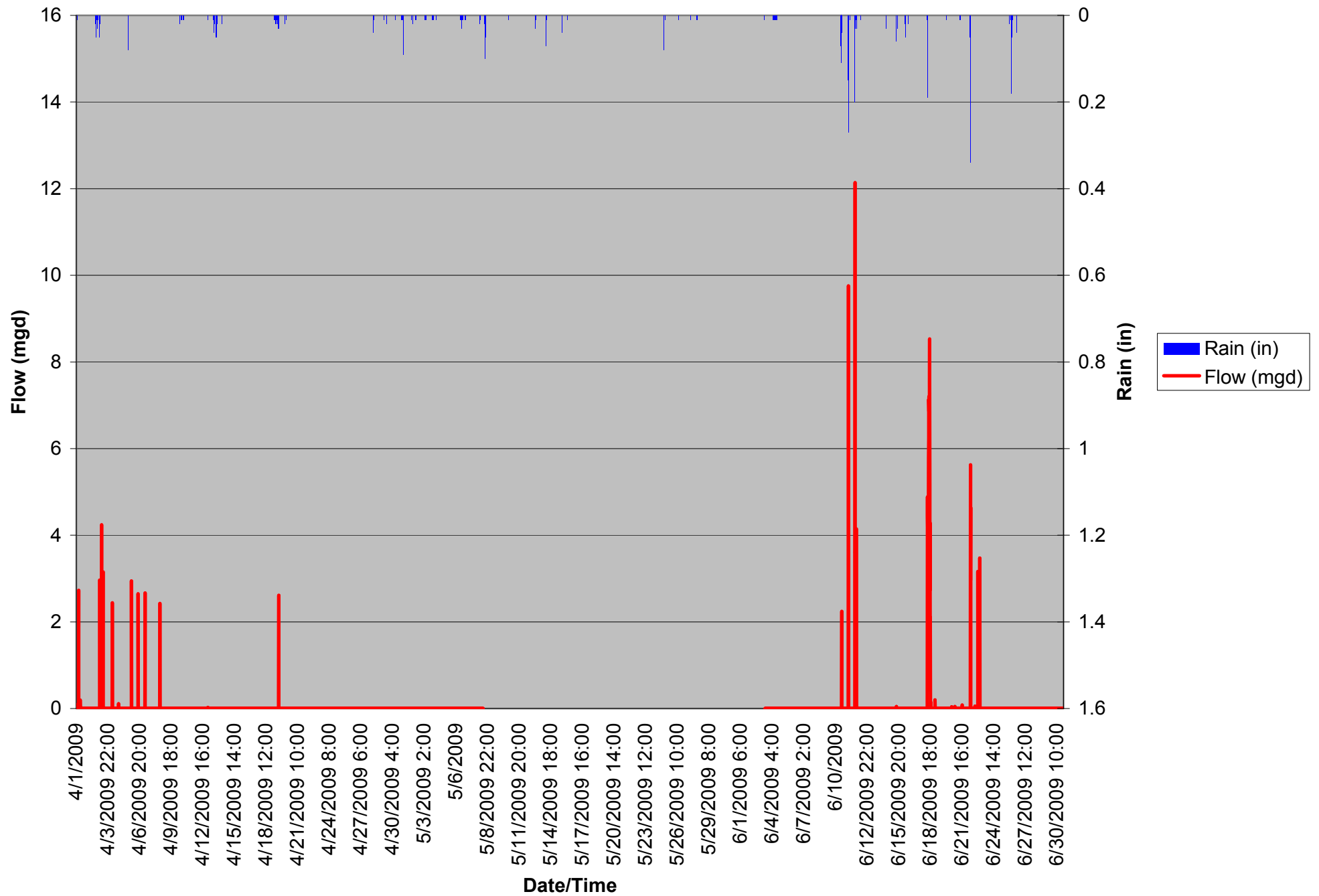
# Flow and Rain at CSO 88



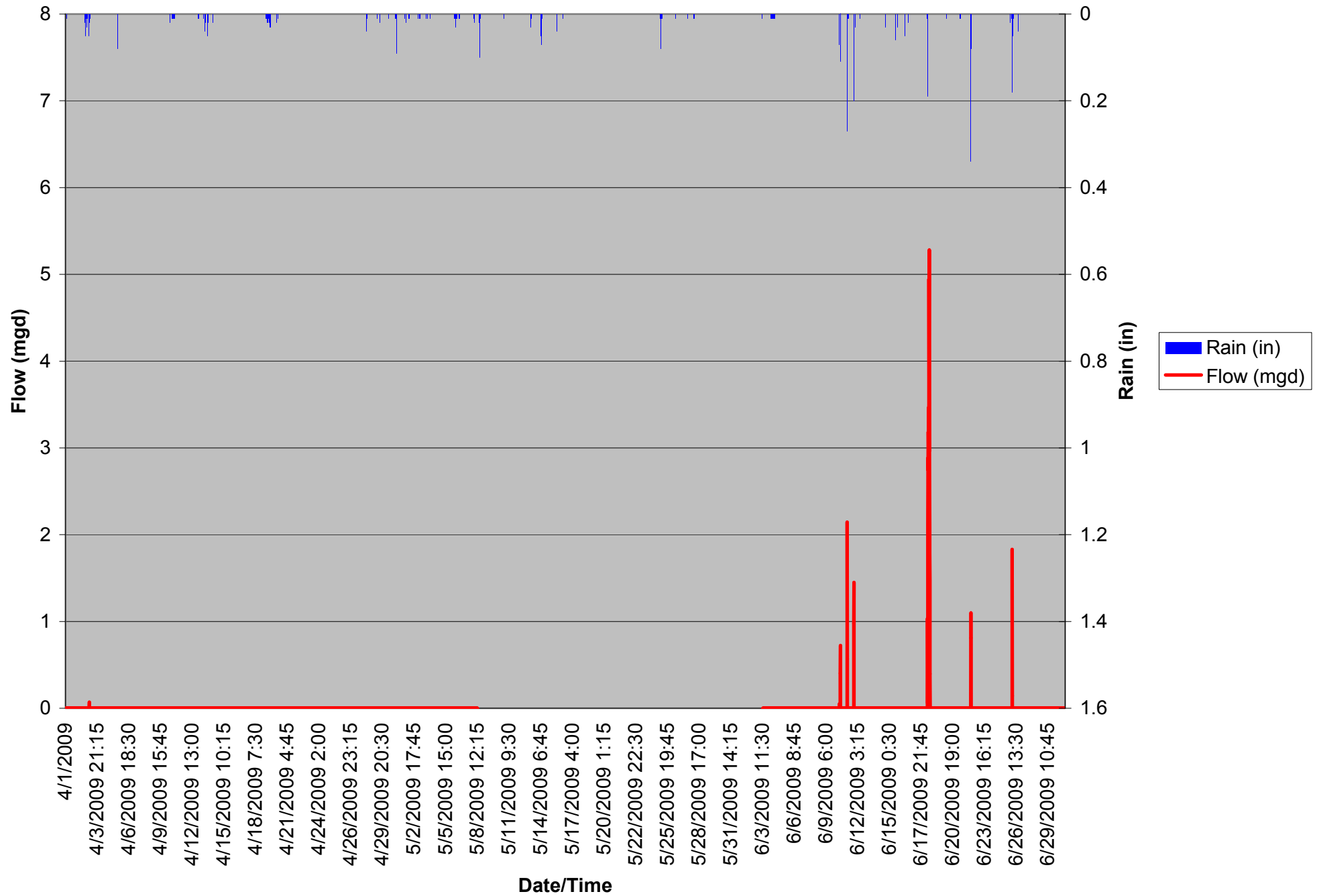
Flow and Rain at CSO 105



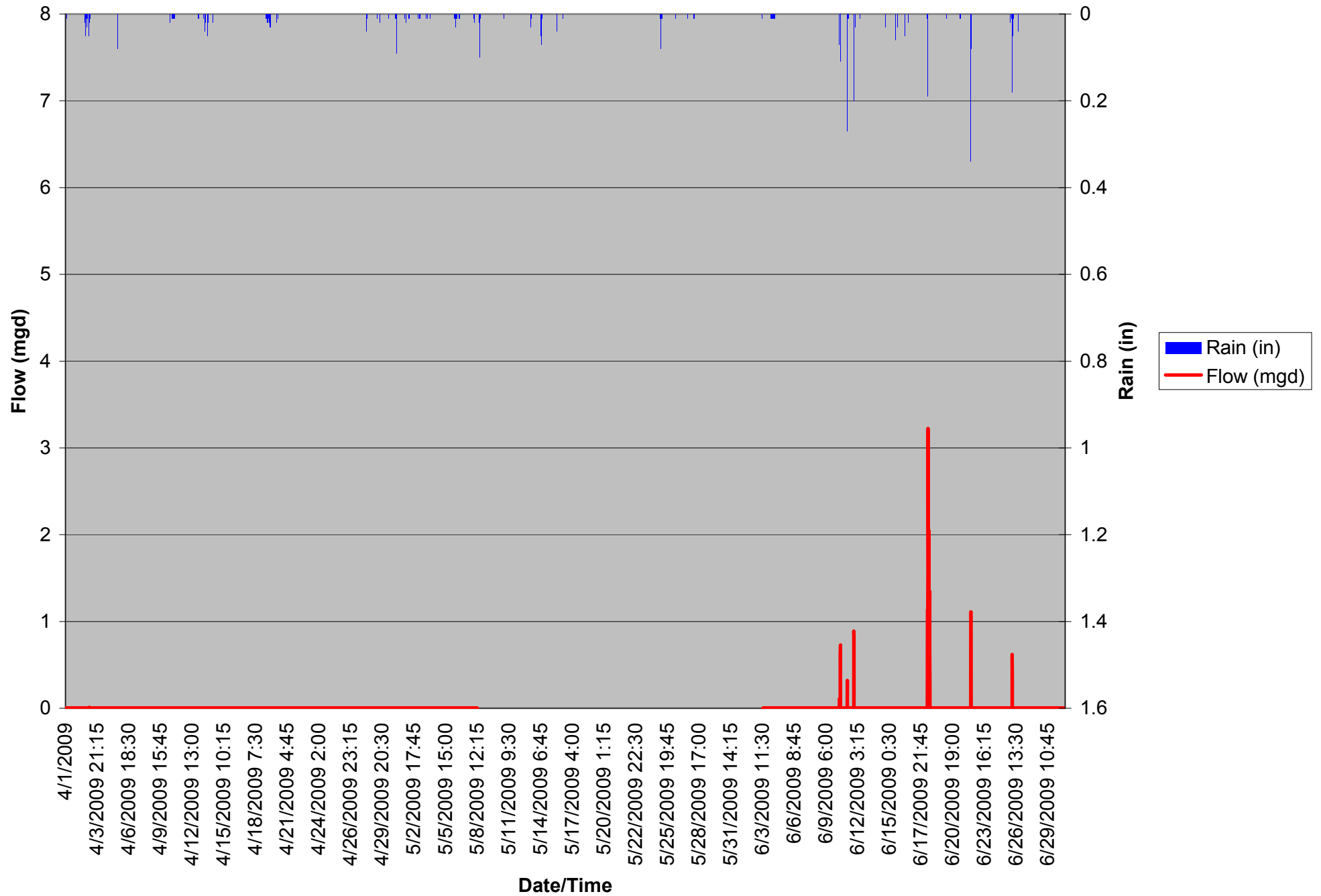
Flow and Rain at CSO 108 CDS



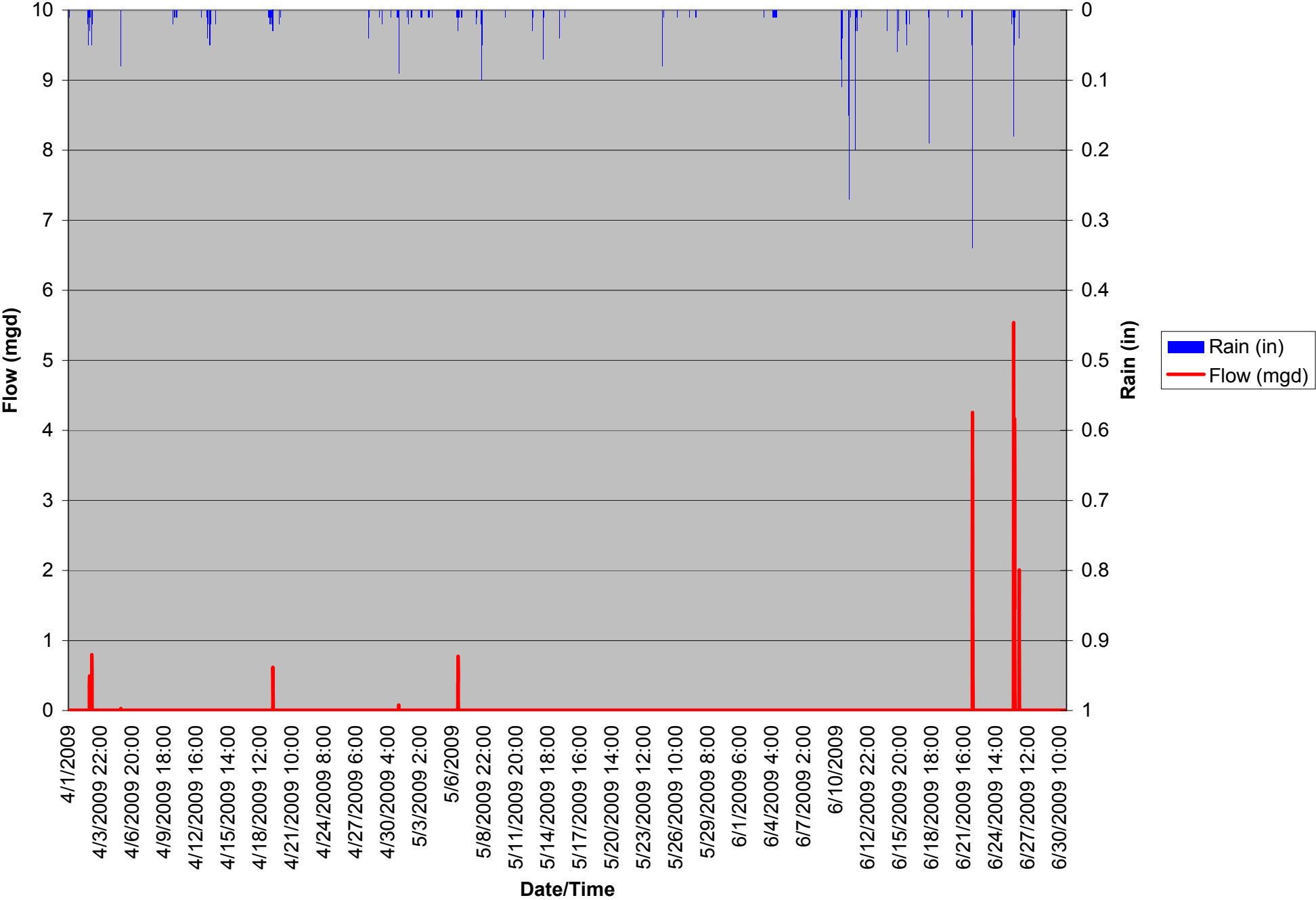
# Flow and Rain at CSO 108 Channel 2



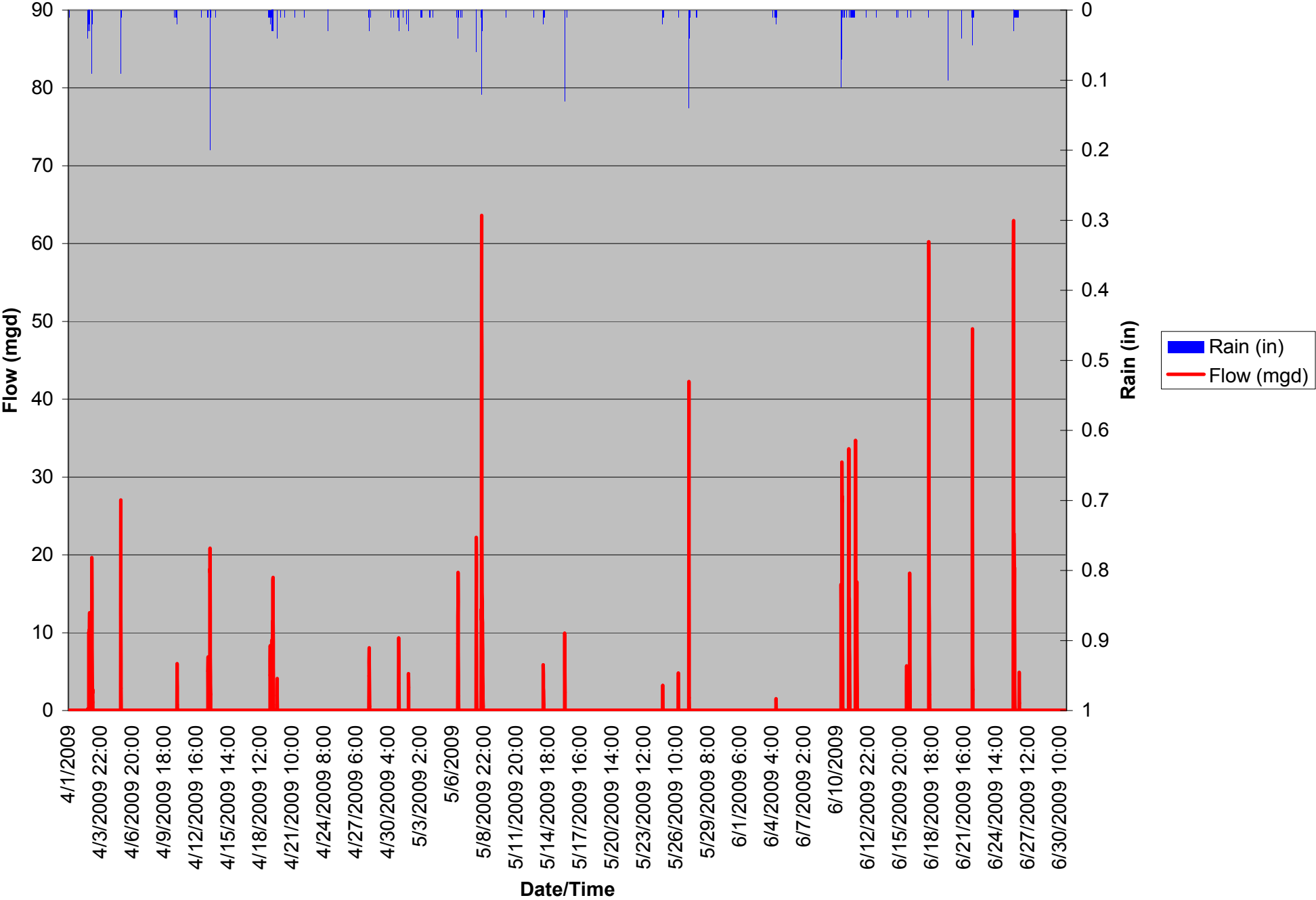
# Flow and Rain at CSO 108 Channel 3



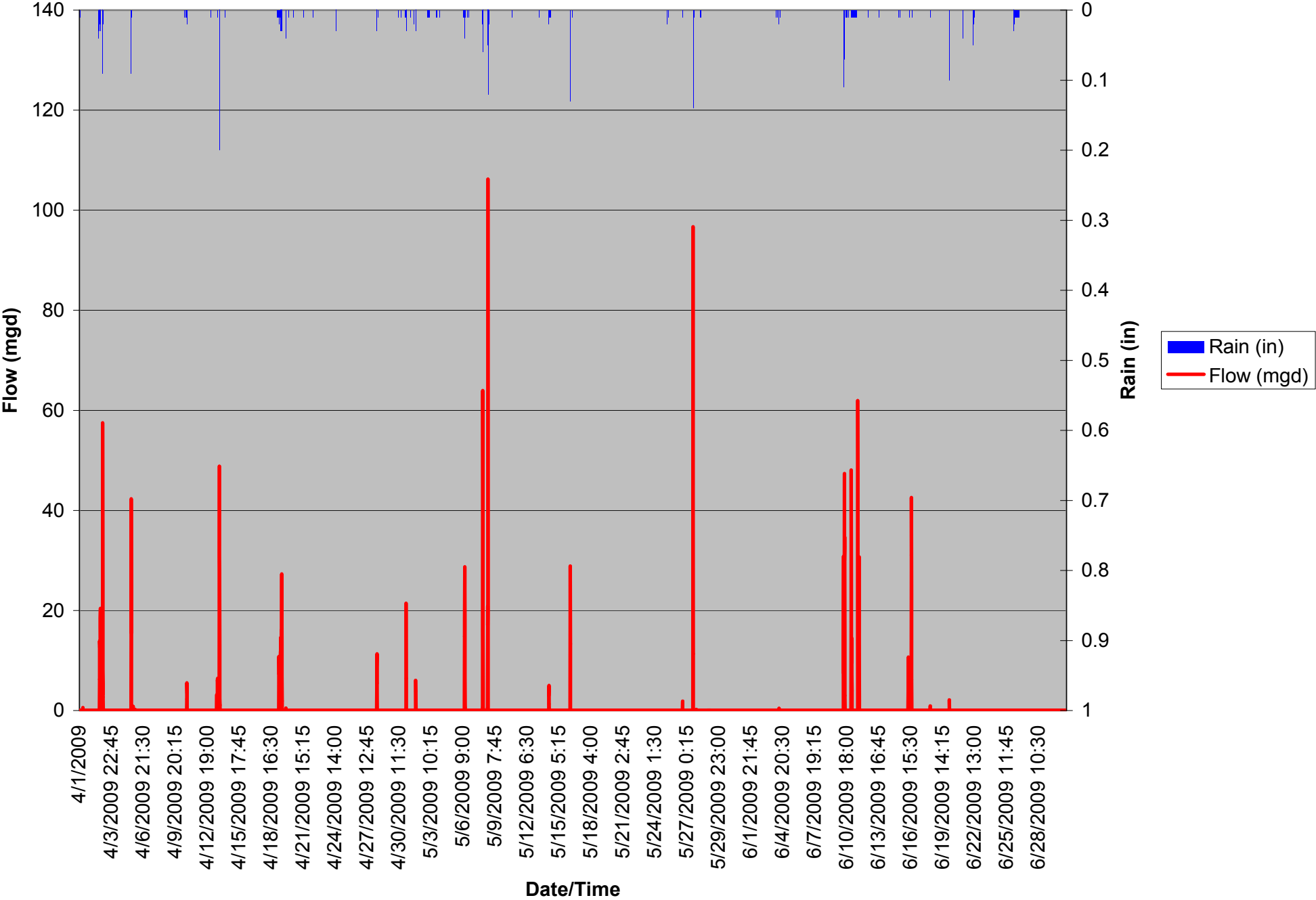
Flow and Rain at CSO 110



Flow and Rain at CSO 117

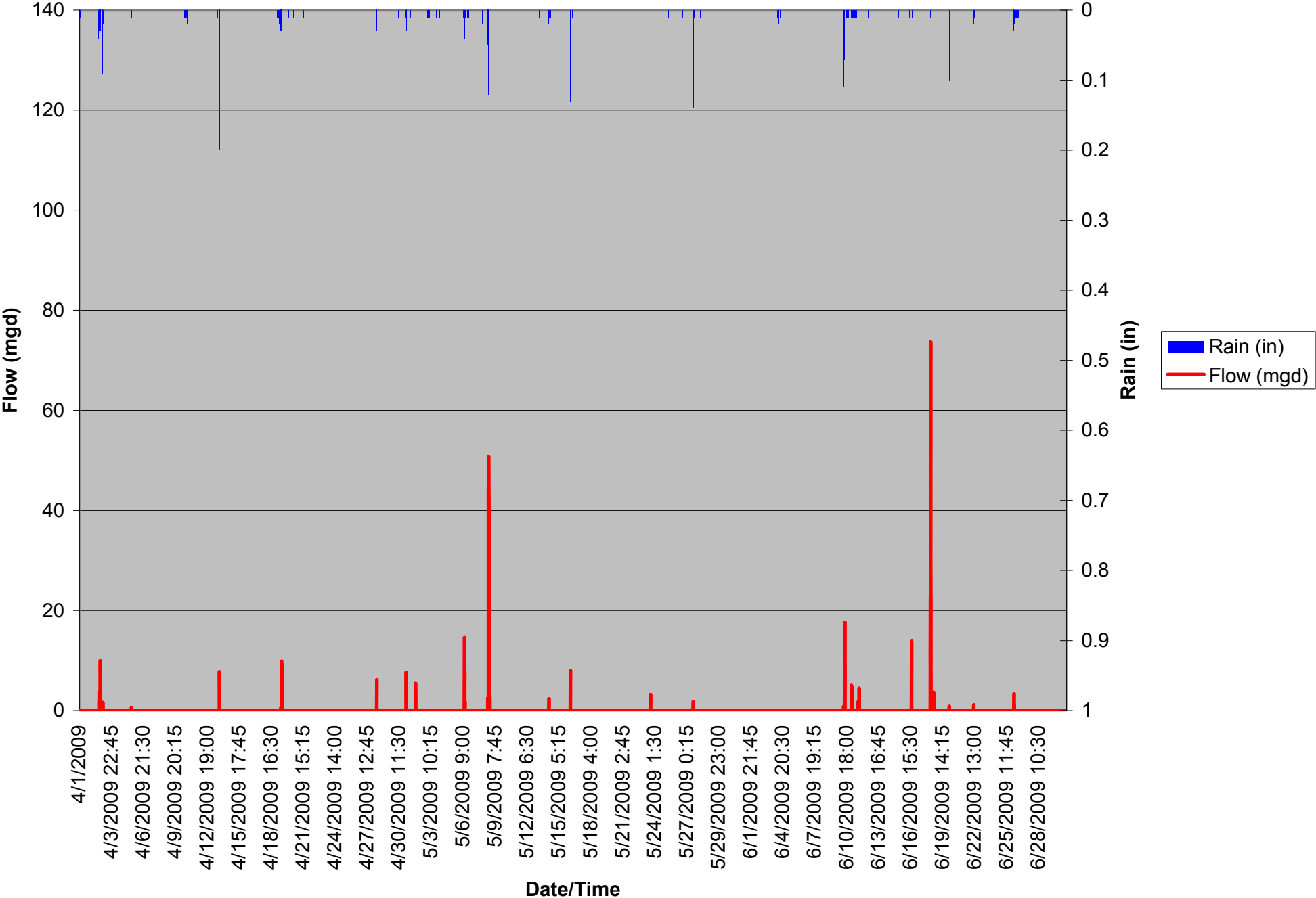


Flow and Rain at CSO 118

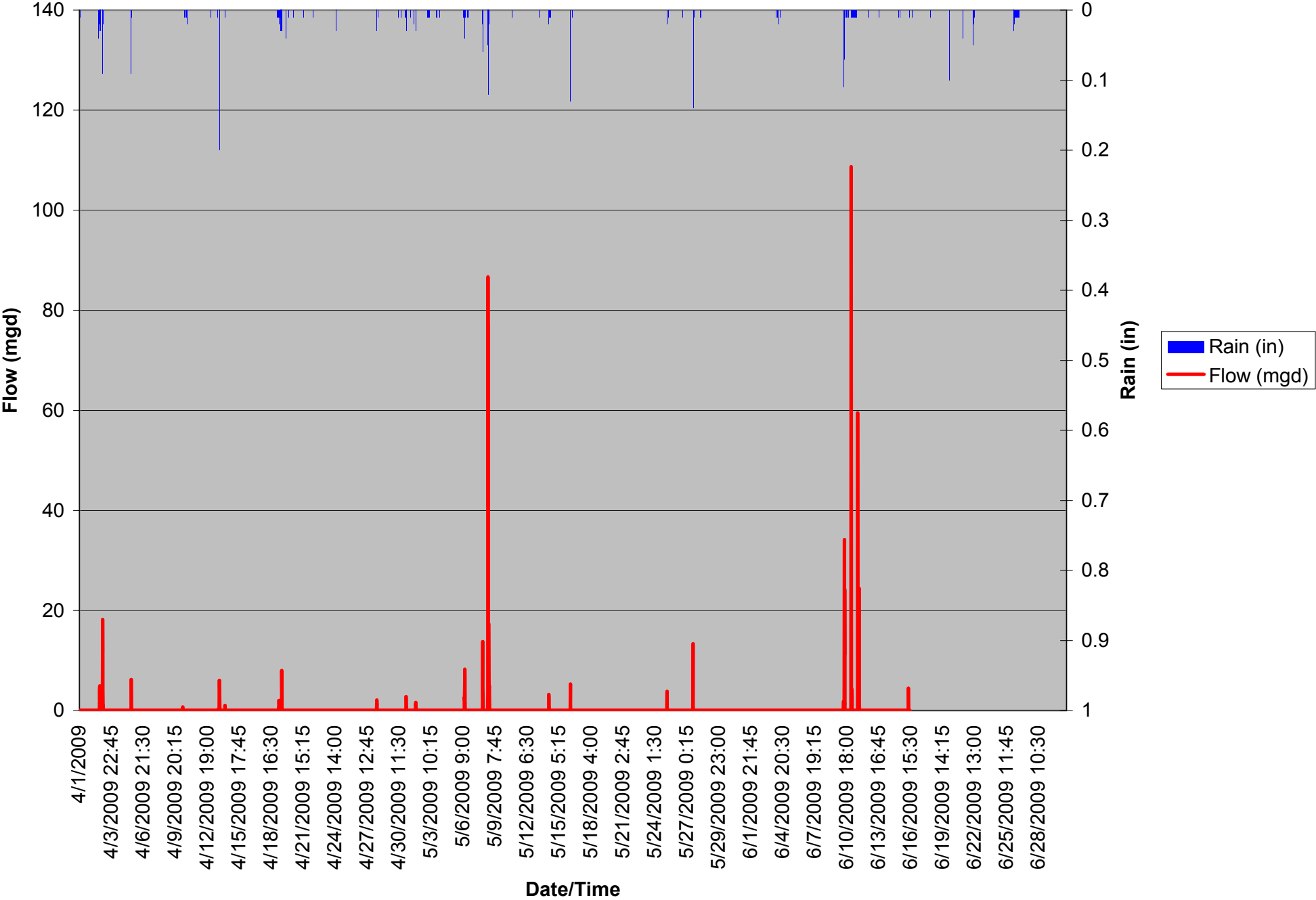




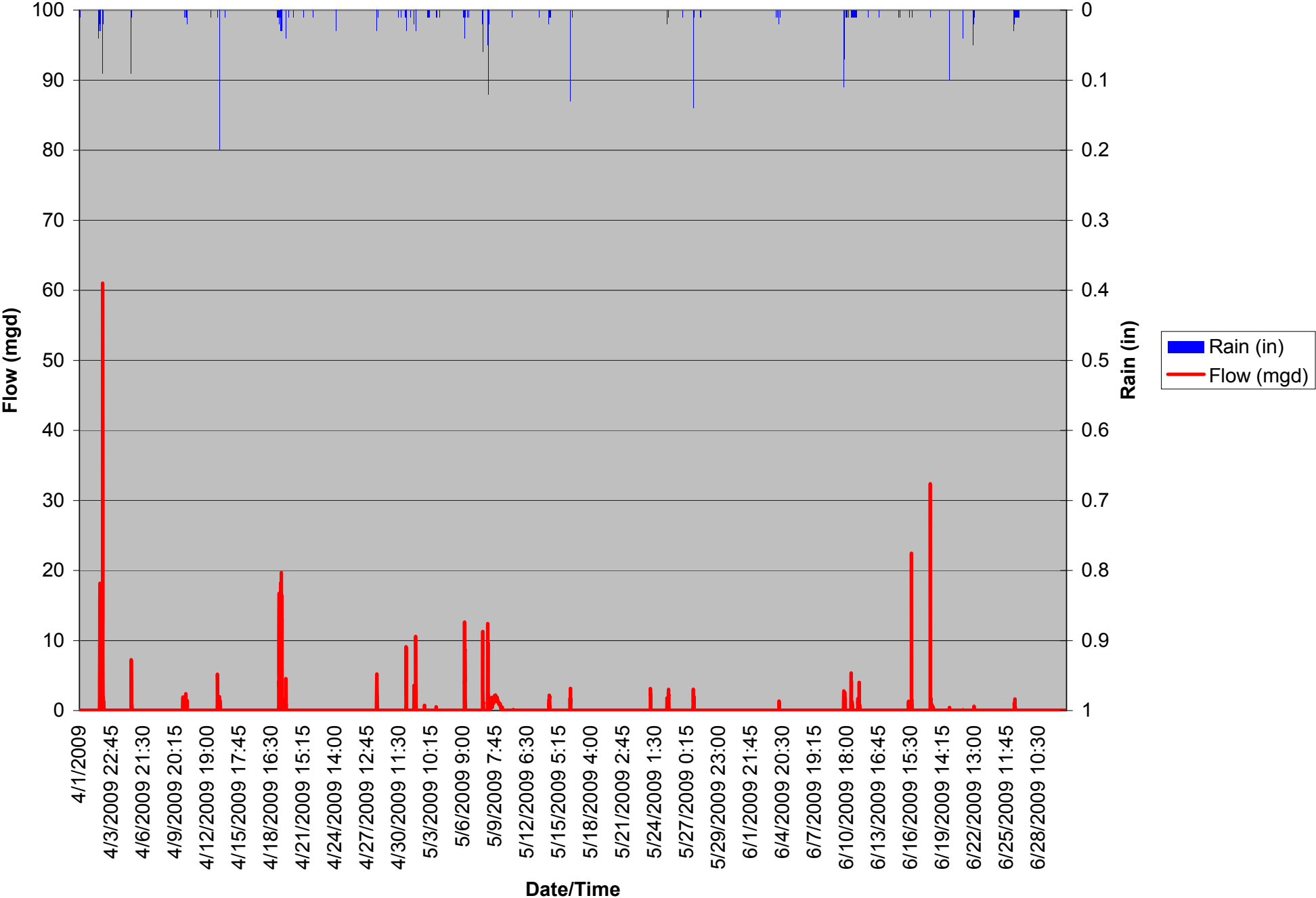
Flow and Rain at CSO 125



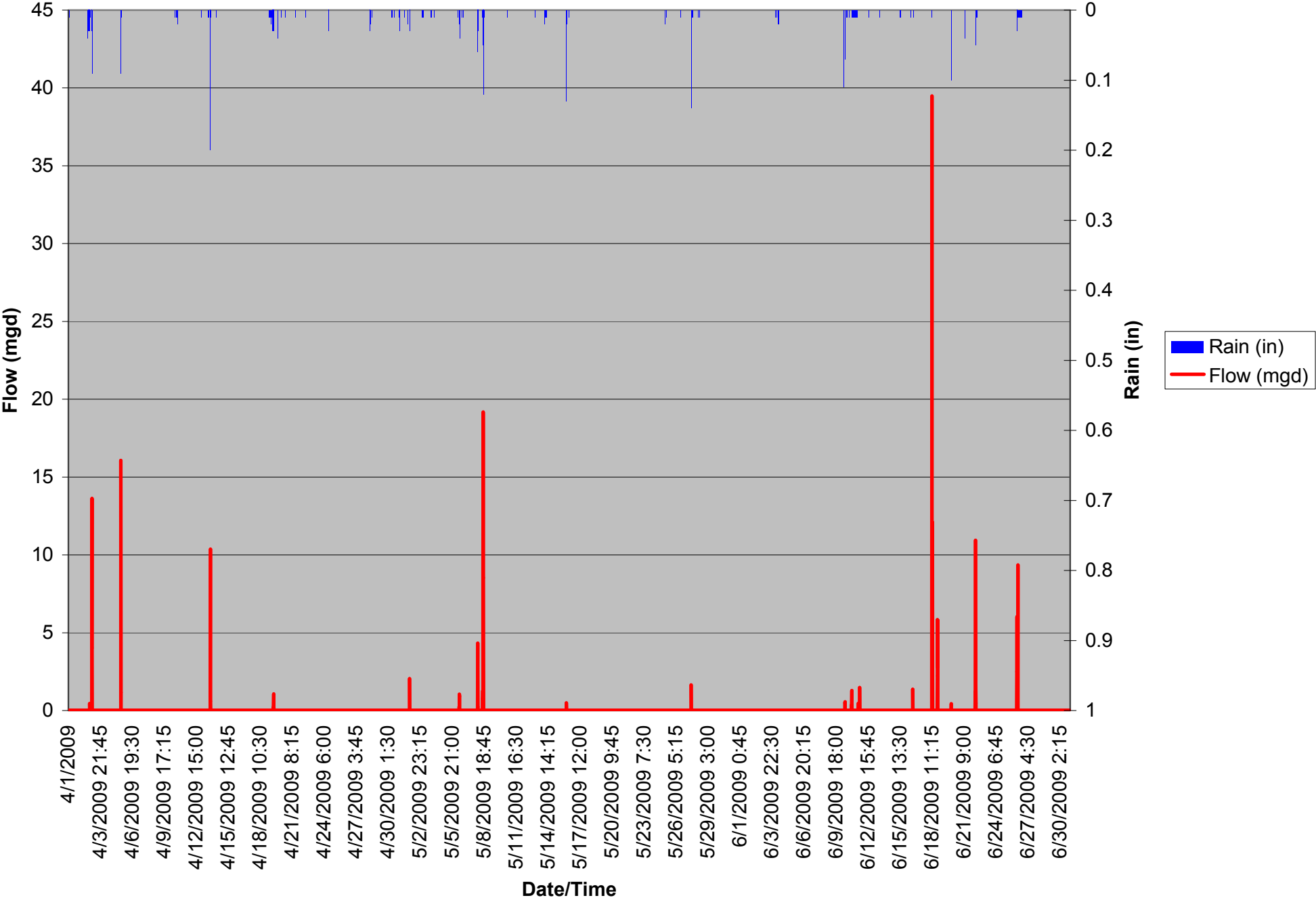
Flow and Rain at CSO 127



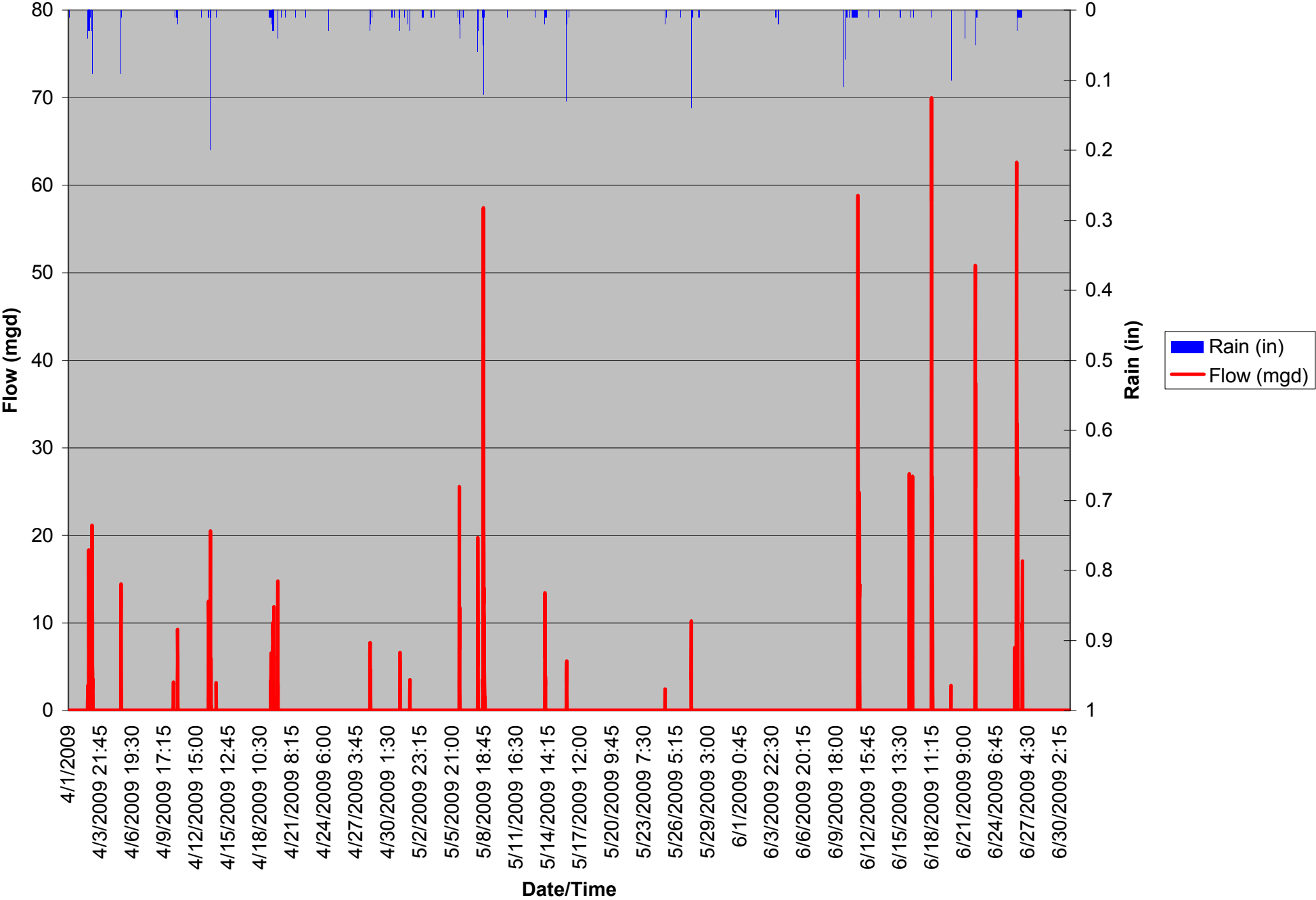
Flow and Rain at CSO 132



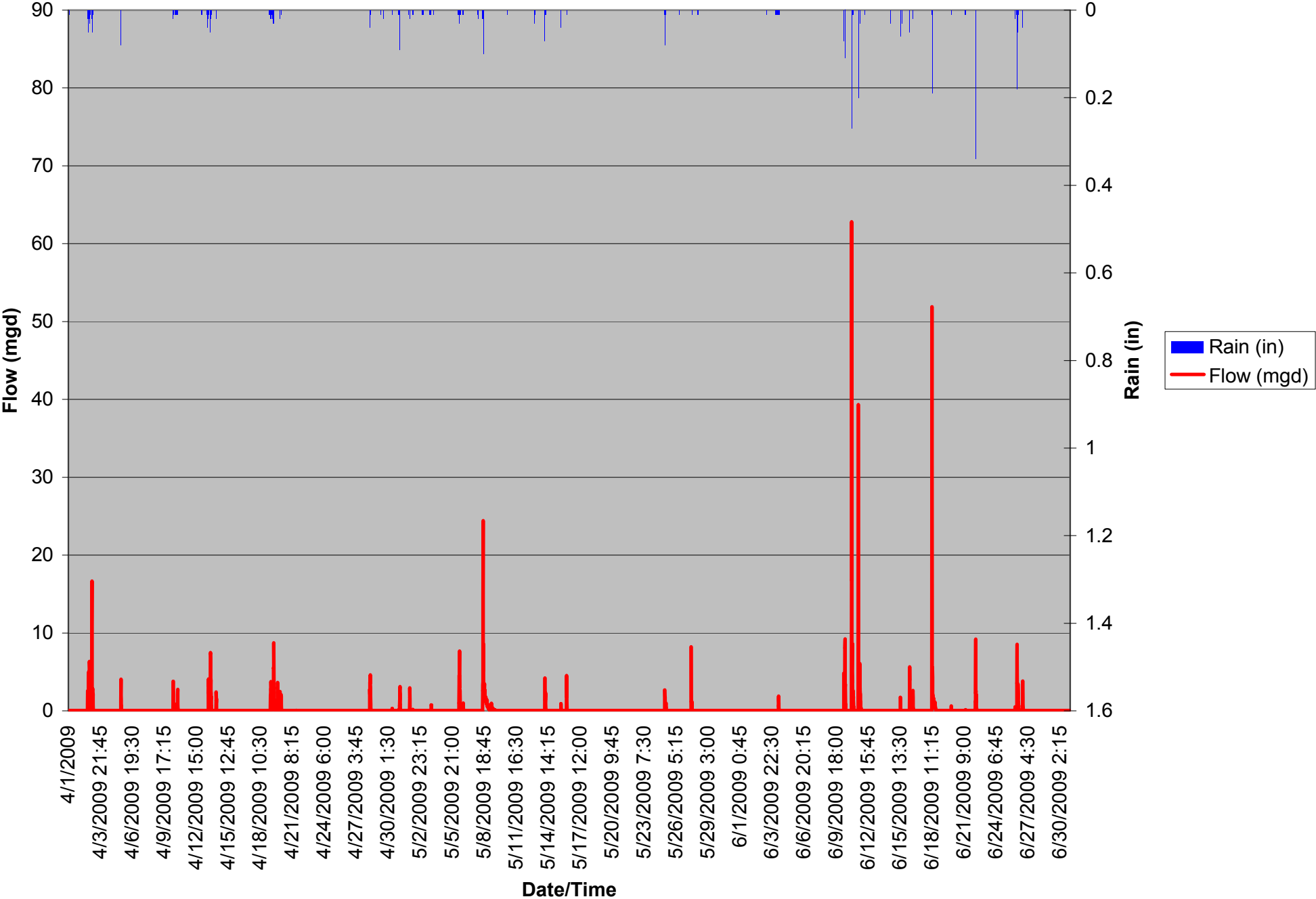
Flow and Rain at CSO 140



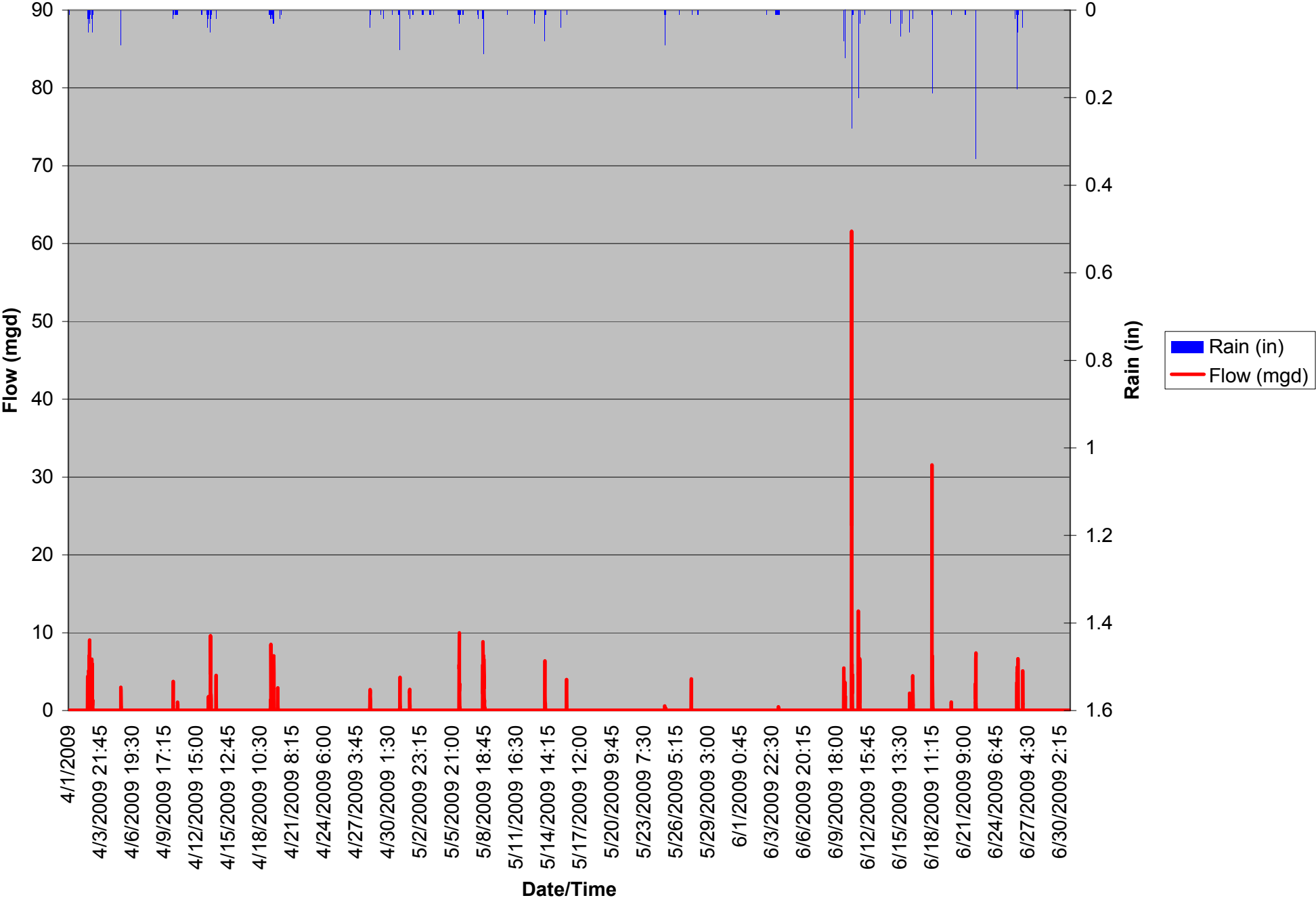
Flow and Rain at CSO 146



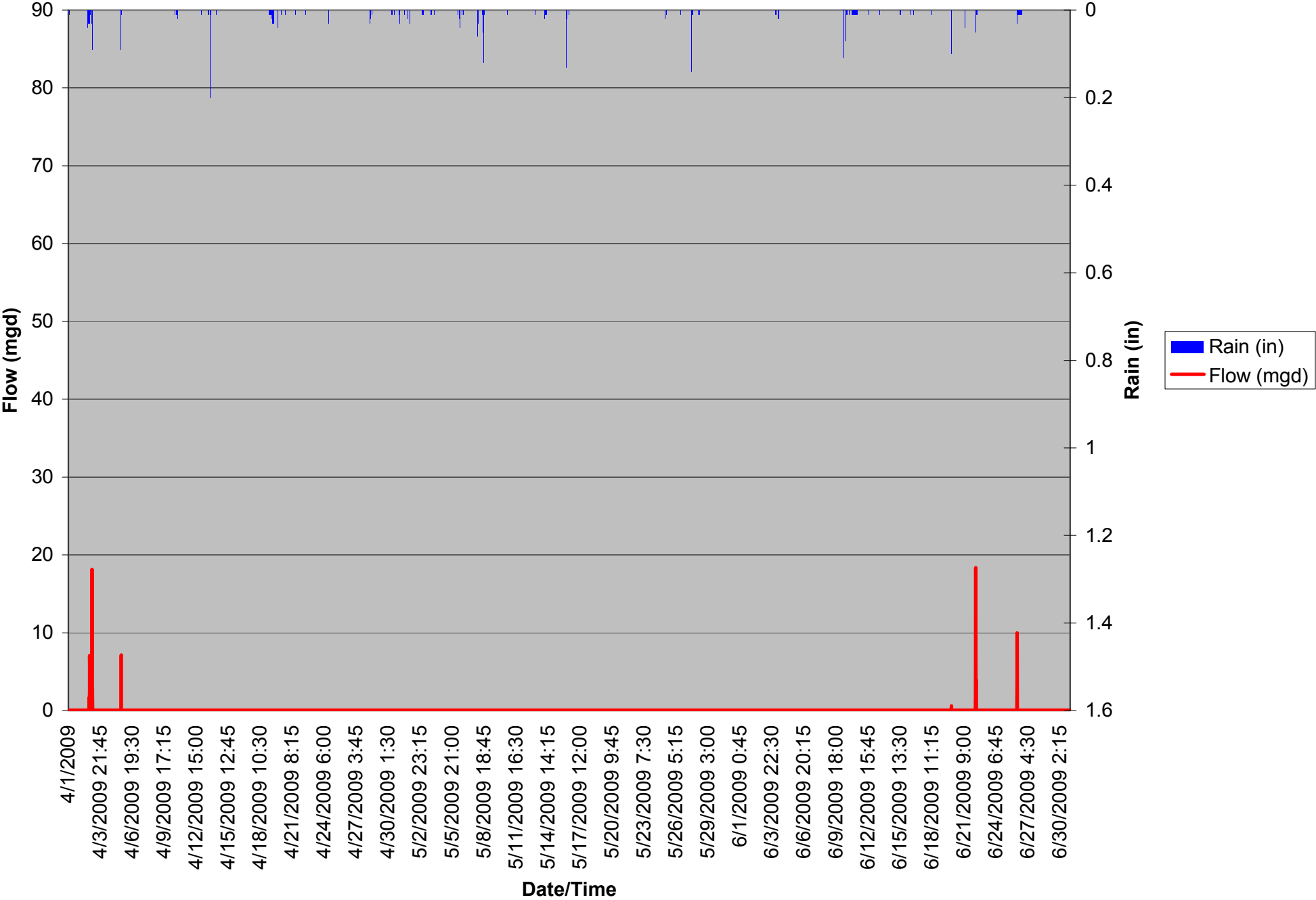
Flow and Rain at CSO 151



Flow and Rain at CSO 152

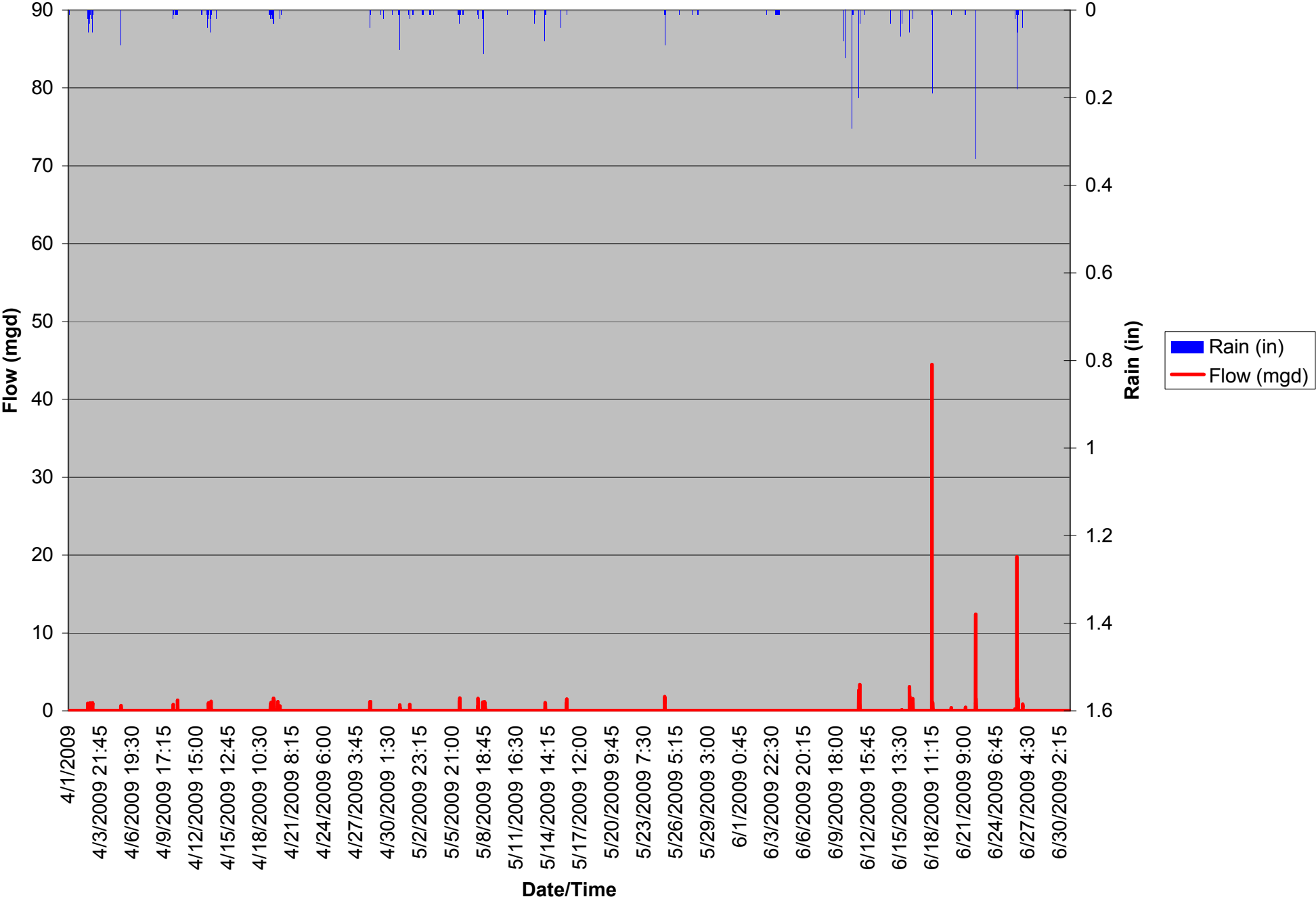


Flow and Rain at CSO 166

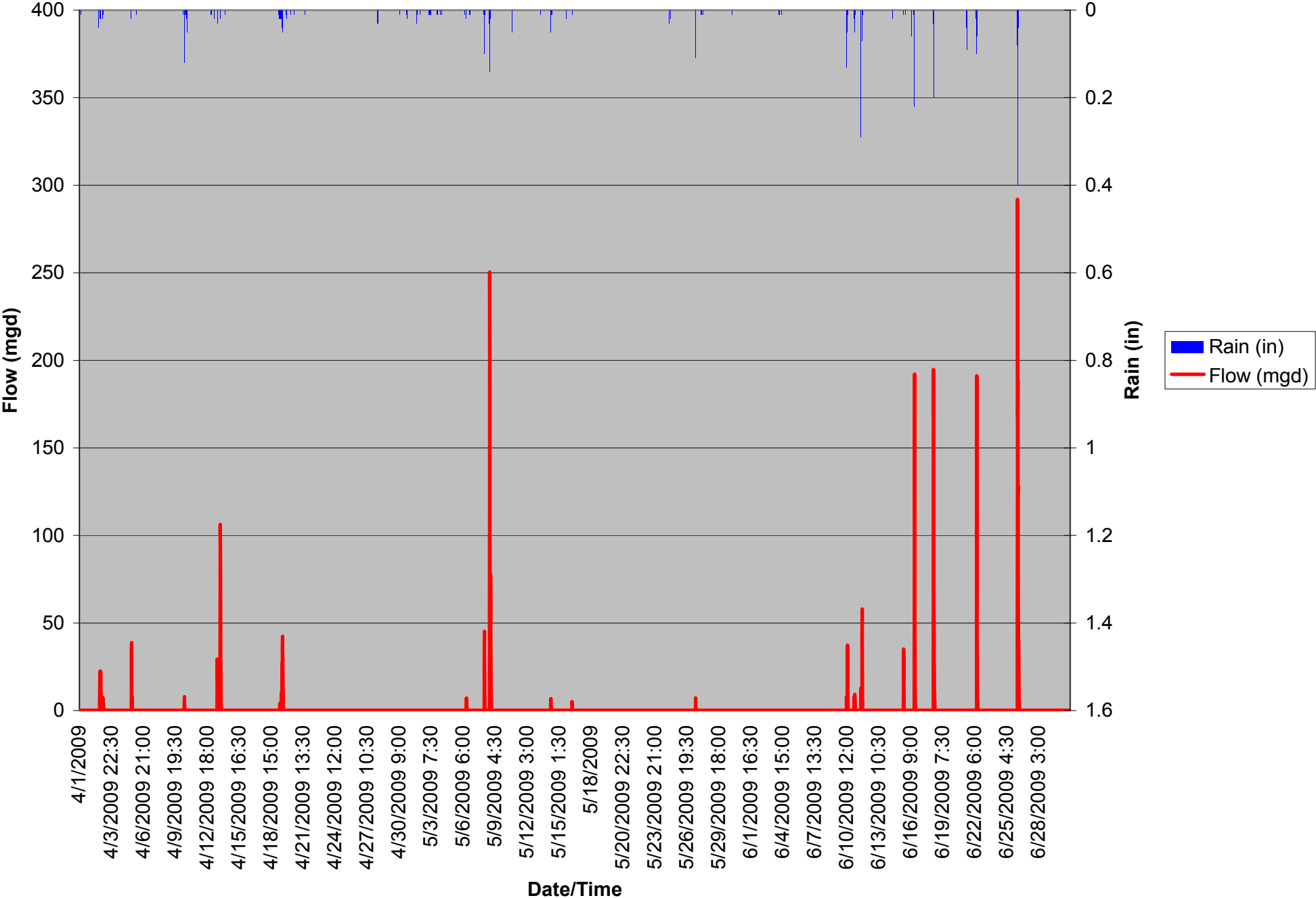




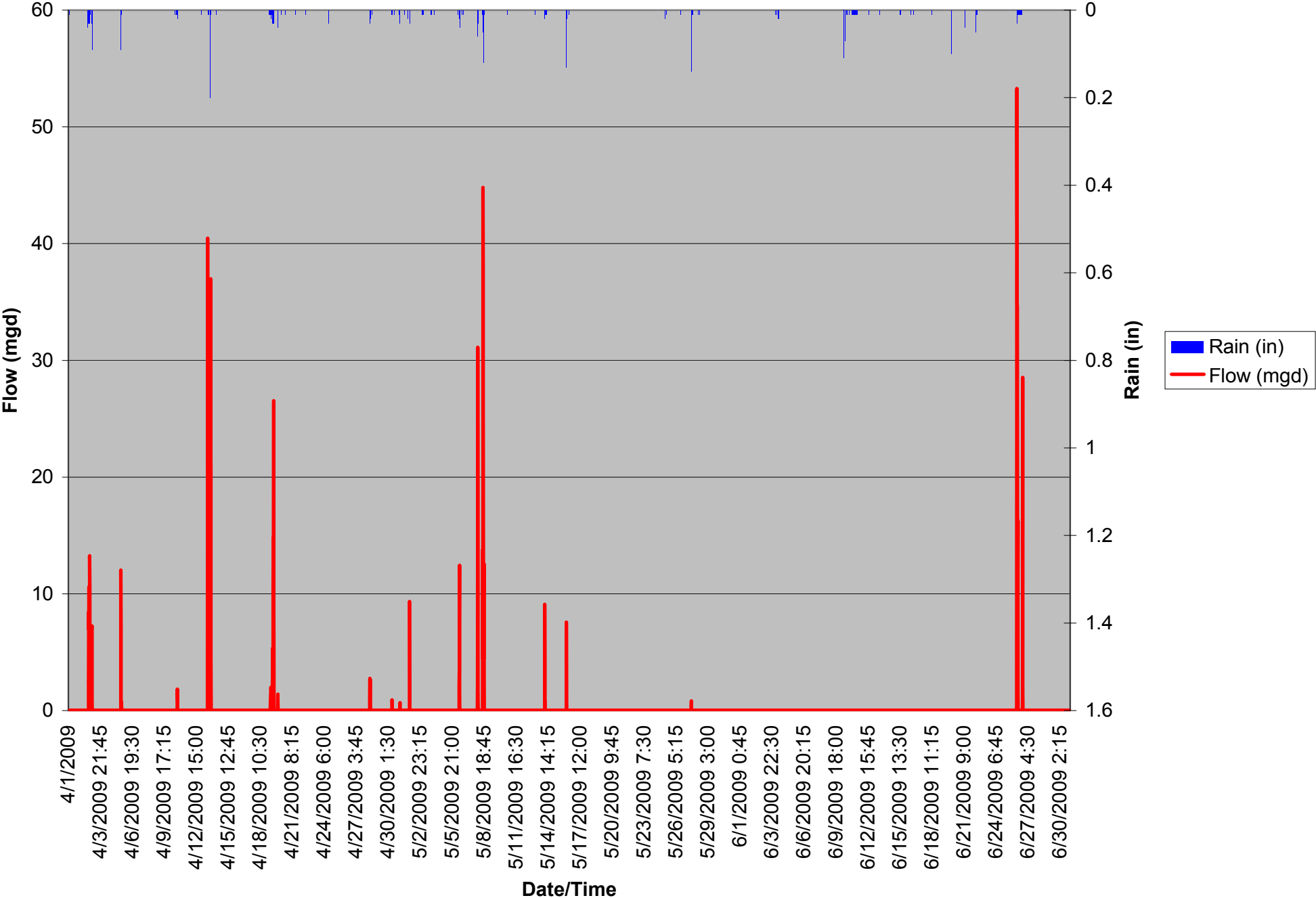
Flow and Rain at CSO 182



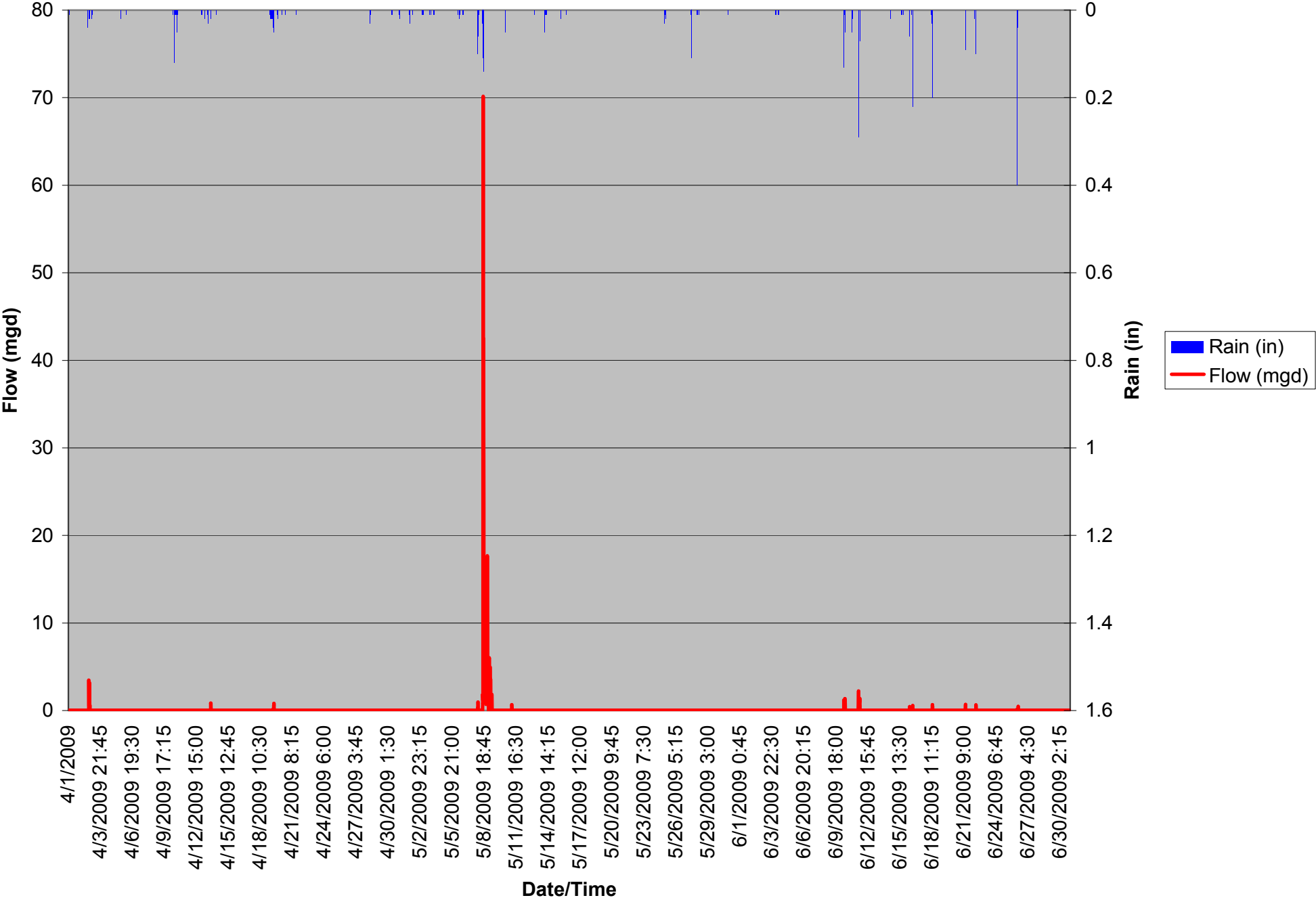
Flow and Rain at CSO 189



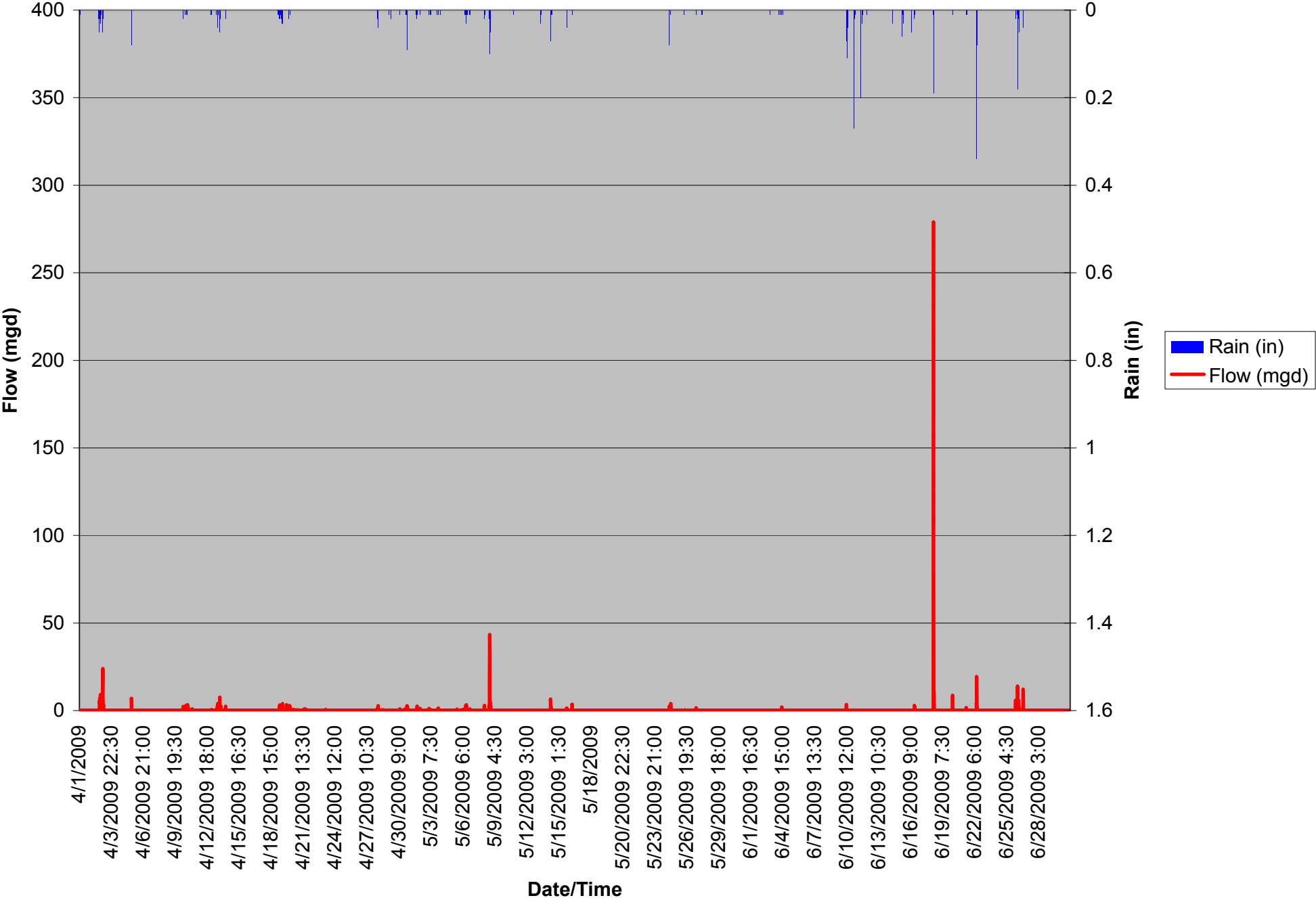
Flow and Rain at CSO 190



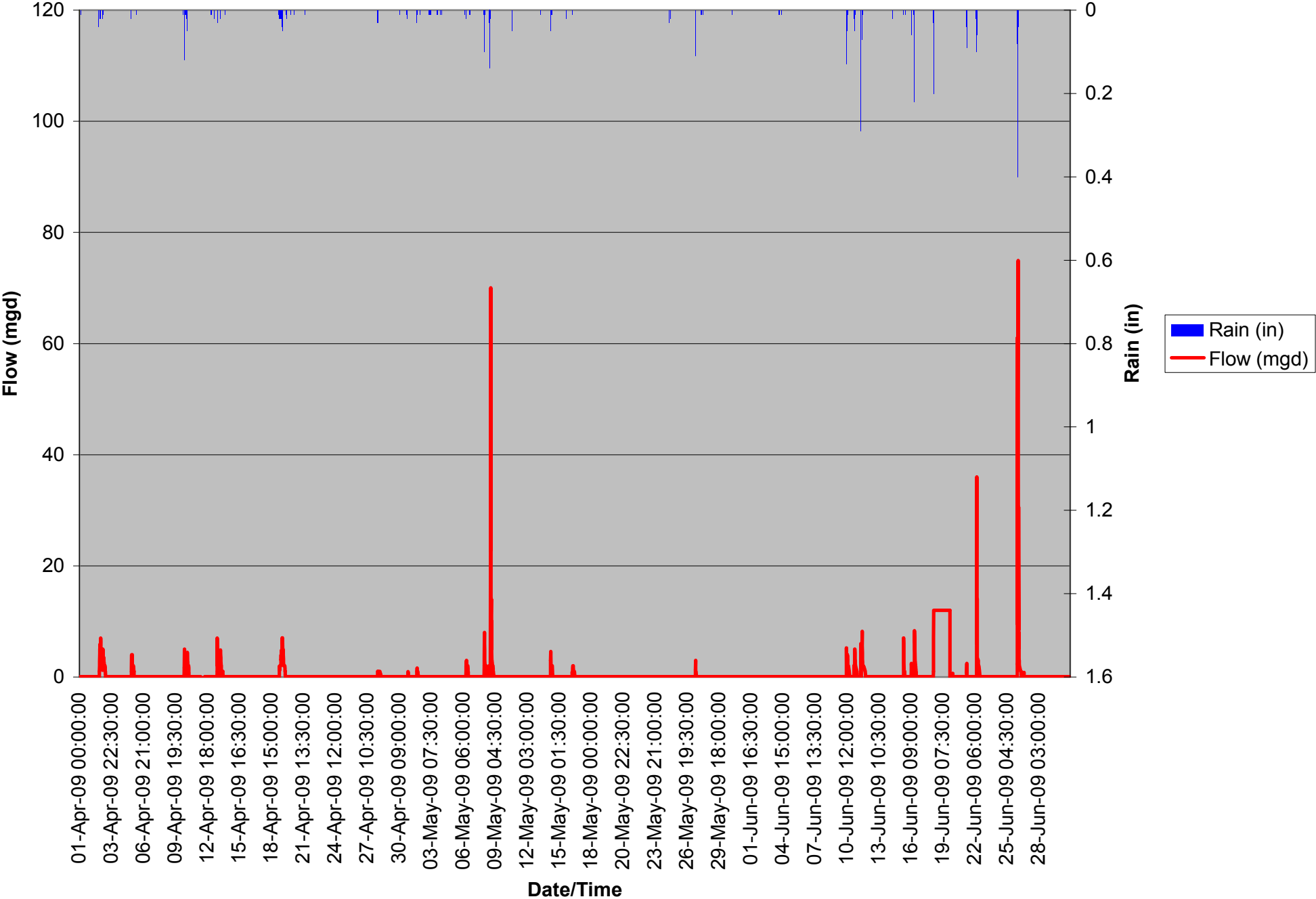
Flow and Rain at CSO 191



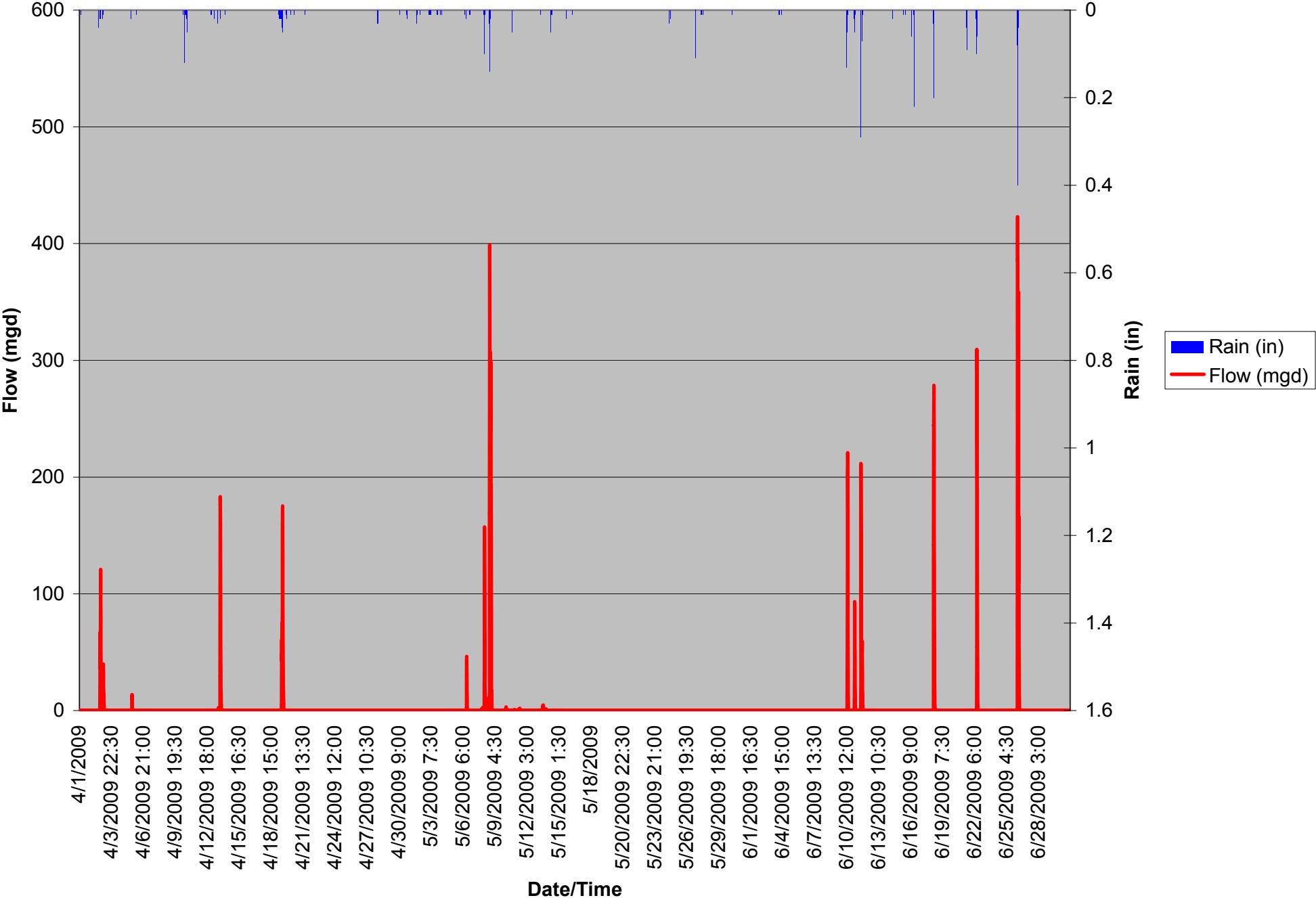
Flow and Rain at CSO 206



Flow and Rain at CSO 210



Flow and Rain at CSO 211



Appendix E – Acronyms



## **Appendix E - Acronyms for Project WIN Quarterly Report**

AAM	Advanced Asset Management
AAOV	Annual Average Overflow Volume
ADAPS	Automated Data Processing System
BGC	Beargrass Creek
BMP	Best Management Practices
CCP	Composite Correction Plan
CD	Consent Decree
CMF	Central Maintenance Facility
CMMS	Computerized Maintenance Management System
CMOM	Capacity Management Operations and Maintenance
CPE	Comprehensive Performance Evaluations
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)
EMC	Event Mean Concentration
EPA	Environmental Protection Agency
ERP	Enforcement Response Plan
FM	Force Main
FOG	Fats, Oil & Grease
FPS	Flood Pump Station
FSE	Food Service Establishment
FY	Fiscal Year
GCE	Grease Control Equipment
GIS	Geographical Information System
GLPM	Gravity Line Preventive Maintenance
HMI	Human Machine Interface
I&FP	Infrastructure & Flood Protection (MSD Division)
ICA	Interceptor Condition Assessment
ID	Identification
I&I	Inflow and Infiltration
IMS	Information Management System
IOAP	Integrated Overflow Abatement Plan
ISSDP	Interim Sanitary Sewer Discharge Plan
IT	Information Technology
IWD	Industrial Waste Department
JCPS	Jefferson County Public Schools
KDEP	Kentucky Department of Environmental Protection
KPDES	Kentucky Pollutant Discharge Elimination System
KY	Kentucky
LE	Lateral Extension
LID	Low Impact Development
LIMS	Laboratory Information Management System
LTC	Long Term Control
LTCP	Long Term Control Plan
LOJIC	Louisville and Jefferson County Information Consortium
MDS	Main Diversion Structure

## **Appendix E - Acronyms for Project WIN Quarterly Report**

MEB	Main Equipment Building
MFWTP	Morris Forman Wastewater Treatment Plant
MG	Million Gallons
MGD	Million Gallons Per Day
MO	Metro Operations
MOA	Memorandum of Agreement
MOR	Monthly Operating Report
MOU	Memorandum of Understanding
MSD	Metropolitan Sewer District (Louisville and Jefferson County)
NDD	Non-Domestic Dischargers
NMC	Nine Minimum Controls
NPR	National Public Radio
ORSANCO	Ohio River Valley Water Sanitation Commission
PACP	Pipeline Assessment and Certification Program
PCM	Post Construction Monitoring
PI	Plant Information System
PM	Preventive Maintenance
POC	Pollutants of Concern
PS	Pump Station
PSC	Property Service Connection
RDII	Rainfall-Derived Infiltration and Inflow
RS	Regulatory Services
RTC	Real Time Control
SCADA	Supervisory Control And Data Acquisition
SCAP	System Capacity Assurance Plan
SIU	Significant Industrial User
SOP	Standard Operating Procedure
SORP	Sewer Overflow Response Protocol
SSDP	Sanitary Sewer Discharge Plan
SSO	Sanitary Sewer Overflow
SSOP	Sanitary Sewer Overflow Plan
SWOR2	Southwestern Outfall Relief - Phase 2
SWPS	Southwestern Pump Station
TM	Technical Memorandum
TMDL	Total Maximum Daily Load
TV	Television
UIM	Utility Information Management
UK	University of Kentucky
USACE	US Army Corps of Engineers
USGS	United States Geological Survey
WDR	Wastewater Discharge Regulators
WIN	Waterway Improvements Now
WQT	Water Quality Tool
WQTC	Water Quality Treatment Center
WW	Wet Weather
WWT	Wet Weather Team

Appendix F – RTC Report



Louisville/Jefferson County  
Metropolitan Sewer District



## WET WEATHER STORAGE IN THE MORRIS FORMAN SEWER SYSTEM VIA GOP RTC

Period	
From :	4/1/09
To :	6/30/09

Event Number	Wet Weather Event			Rainfall			Wet Weather Storage Volume (MG)							High River Levels
	Start Date	End Date	Duration	Average* TRFD (in)	Max**		SWPS SG Chamber	SWOR2	Brady Lake and Executive Inn Storage	Southern Outfall	Ohio River Interceptor	Sneads Branch	Total	
					TRFD (in)	Rain Gauge								
2009-025	4/2/09 17:40	4/4/09 2:00	32:20	1.687	2.362	TR15	12.60	0.50	1.50	0.00	0.00	0.00	14.60	No
2009-026	4/5/09 18:20	4/6/09 16:25	22:05	3.100	3.470	TR04	6.10	0.00	0.05	0.00	0.00	0.00	6.15	No
2009-026	4/5/09 18:20	4/6/09 16:25	22:05	0.274	0.420	TR05	6.10	0.00	0.05	0.00	0.00	0.00	6.15	No
2009-027	4/9/09 10:00	4/9/09 18:10	8:10	0.007	0.040	TR12	0.00	6.55	0.00	0.00	0.00	0.00	6.55	No
2009-028	4/10/09 7:40	4/11/09 6:10	22:30	0.449	0.620	TR04	5.85	0.00	0.10	0.00	0.00	0.00	5.95	No
2009-029	4/13/09 2:10	4/14/09 21:20	43:10	0.763	1.080	TR04	14.15	0.00	2.15	0.00	0.00	0.00	16.30	No
2009-030	4/19/09 4:50	4/21/09 5:30	48:40	1.471	1.870	TR15	12.55	0.35	1.35	0.00	0.00	0.00	14.25	No
2009-033	4/28/09 8:45	4/28/09 19:20	10:35	0.321	0.390	TR11	6.20	3.50	0.10	0.00	0.00	0.00	9.80	No
2009-034	4/29/09 14:05	4/29/09 22:40	8:35	0.026	0.120	TR11	0.00	4.10	0.40	0.00	0.00	0.00	4.50	No
2009-035	4/30/09 17:55	5/1/09 11:05	17:10	0.323	0.480	TR14	3.20	1.95	0.30	0.00	0.00	0.00	5.45	No
2009-037	5/3/09 2:05	5/4/09 12:05	34:00	0.344	0.440	TR14	0.00	1.90	0.20	0.00	0.00	0.00	2.10	No
2009-038	5/6/09 9:35	5/7/09 14:00	28:25	0.606	0.690	TR12	14.05	1.75	1.35	0.00	0.00	0.00	17.15	No
2009-040	5/10/09 16:35	5/11/09 16:10	23:35	0.046	0.080	TR14	7.40	3.05	0.90	0.00	0.00	0.00	11.35	Yes
2009-041	5/11/09 16:10	5/12/09 3:55	11:45	0.001	0.010	TR12	10.15	1.70	0.00	0.00	0.00	0.00	11.85	Yes
2009-042	5/13/09 8:05	5/13/09 16:15	8:10	0.023	0.050	TR12	0.00	1.30	0.00	0.00	0.00	0.00	1.30	Yes
2009-043	5/14/09 6:25	5/14/09 19:30	13:05	0.400	0.480	TR15	6.45	2.90	0.30	0.00	0.00	0.00	9.65	Yes
2009-044	5/15/09 17:35	5/16/09 15:30	21:55	0.431	0.680	TR13	1.55	3.45	0.10	0.00	0.00	0.00	5.10	No

Event Number	Wet Weather Event			Rainfall			Wet Weather Storage Volume (MG)								High River Levels
	Start Date	End Date	Duration	Average* TRFD (in)	Max**		SWPS SG Chamber	SWOR2	Brady Lake and Executive Inn Storage	Southern Outfall	Ohio River Interceptor	Sneads Branch	Total		
					TRFD (in)	Rain Gauge									
2009-045	5/25/09 3:25	5/25/09 16:10	12:45	0.297	0.560	TR11	5.80	3.85	0.60	0.00	0.00	0.00	10.25	No	
2009-048	6/4/09 5:40	6/4/09 20:55	15:15	0.309	0.490	TR14	0.00	1.70	0.10	0.00	0.00	0.00	1.80	No	
2009-050	6/10/09 10:25	6/12/09 23:10	60:45	2.556	3.490	TR12	31.40	7.95	11.90	0.00	0.00	0.00	51.25	No	
2009-052	6/15/09 13:15	6/17/09 23:25	58:10	0.741	1.070	TR04	10.00	6.80	1.50	0.00	0.00	0.00	18.30	No	
2009-053	6/18/09 10:30	6/18/09 20:10	9:40	1.309	2.880	TR15	0.00	13.45	4.00	0.00	0.00	0.00	17.45	No	
2009-055	6/21/09 10:35	6/23/09 9:15	46:40	0.930	1.850	TR14	22.40	14.05	3.60	0.00	0.00	0.00	40.05	No	
2009-056	6/25/09 23:15	6/27/09 10:35	35:20	1.237	2.590	TR04	15.65	1.45	7.40	0.00	0.00	0.00	24.50	No	
Total							191.60	82.25	37.95	0.00	0.00	0.00	311.80		

\*Average Total Rainfall Depth Based on Rain Gauge TR04, TR05, TR11, TR12, TR13, TR14 and TR15

\*\*Maximum Total Rainfall Depth Measurement and its Location during the Wet Weather Event

Appendix G – Phosphorus Data

**Timberlake Wastewater Treatment Plant KY0043087**  
**Quarterly Effluent Total Phosphorus Results**

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
4/2/2009	EPA 200.7	Total Phosphorous via ICP	0.777	mg/l	MSD
4/7/2009	EPA 200.7	Total Phosphorous via ICP	0.703	mg/l	MSD
4/8/2009	EPA 200.7	Total Phosphorous via ICP	0.689	mg/l	MSD
4/9/2009	EPA 200.7	Total Phosphorous via ICP	0.7	mg/l	MSD
4/14/2009	EPA 200.7	Total Phosphorous via ICP	0.587	mg/l	MSD
4/15/2009	EPA 200.7	Total Phosphorous via ICP	0.619	mg/l	MSD
4/16/2009	EPA 200.7	Total Phosphorous via ICP	0.541	mg/l	MSD
4/21/2009	EPA 200.7	Total Phosphorous via ICP	0.61	mg/l	MSD
4/22/2009	EPA 200.7	Total Phosphorous via ICP	0.488	mg/l	MSD
4/23/2009	EPA 200.7	Total Phosphorous via ICP	0.499	mg/l	MSD
		Monthly Average	<b>0.62</b>	mg/l	
5/5/2009	EPA 200.7	Total Phosphorous via ICP	0.832	mg/l	MSD
5/12/2009	EPA 200.7	Total Phosphorous via ICP	0.395	mg/l	MSD
5/19/2009	EPA 200.7	Total Phosphorous via ICP	0.711	mg/l	MSD
5/26/2009	EPA 200.7	Total Phosphorous via ICP	0.725	mg/l	MSD
		Monthly Average	<b>0.67</b>	mg/l	
6/3/2009	EPA 200.7	Total Phosphorous via ICP	0.657	mg/l	MSD
6/10/2009	EPA 200.7	Total Phosphorous via ICP	0.578	mg/l	MSD
6/17/2009	EPA 200.7	Total Phosphorous via ICP	0.681	mg/l	MSD
6/24/2009	EPA 200.7	Total Phosphorous via ICP	0.956	mg/l	MSD
		Monthly Average	<b>0.72</b>	mg/l	

## Shadow Wood Wastewater Treatment Plant KY0031810

### Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
4/2/2009	EPA 200.7	Total Phosphorous via ICP	0.313	mg/l	MSD
4/7/2009	EPA 200.7	Total Phosphorous via ICP	0.432	mg/l	MSD
4/8/2009	EPA 200.7	Total Phosphorous via ICP	0.44	mg/l	MSD
4/9/2009	EPA 200.7	Total Phosphorous via ICP	0.707	mg/l	MSD
4/14/2009	EPA 200.7	Total Phosphorous via ICP	0.575	mg/l	MSD
4/15/2009	EPA 200.7	Total Phosphorous via ICP	0.549	mg/l	MSD
4/16/2009	EPA 200.7	Total Phosphorous via ICP	0.556	mg/l	MSD
4/21/2009	EPA 200.7	Total Phosphorous via ICP	0.535	mg/l	MSD
4/22/2009	EPA 200.7	Total Phosphorous via ICP	0.6	mg/l	MSD
4/23/2009	EPA 200.7	Total Phosphorous via ICP	0.72	mg/l	MSD
		Monthly Average	<b>0.54</b>	mg/l	
5/5/2009	EPA 200.7	Total Phosphorous via ICP	1.07	mg/l	MSD
5/12/2009	EPA 200.7	Total Phosphorous via ICP	2.51	mg/l	MSD
5/19/2009	EPA 200.7	Total Phosphorous via ICP	1.21	mg/l	MSD
5/22/2009	EPA 200.7	Total Phosphorous via ICP	0.362	mg/l	MSD
5/23/2009	EPA 200.7	Total Phosphorous via ICP	0.242	mg/l	MSD
5/24/2009	EPA 200.7	Total Phosphorous via ICP	0.094	mg/l	MSD
5/25/2009	EPA 200.7	Total Phosphorous via ICP	0.135	mg/l	MSD
5/26/2009	EPA 200.7	Total Phosphorous via ICP	0.098	mg/l	MSD
5/28/2009	EPA 200.7	Total Phosphorous via ICP	0.07	mg/l	MSD
5/29/2009	EPA 200.7	Total Phosphorous via ICP	0.06	mg/l	MSD
5/30/2009	EPA 200.7	Total Phosphorous via ICP	0.06	mg/l	MSD
		Monthly Average	<b>0.54</b>	mg/l	
6/3/2009	EPA 200.7	Total Phosphorous via ICP	0.153	mg/l	MSD



# Shadow Wood Wastewater Treatment Plant KY0031810

## Quarterly Effluent Total Phosphorus Results

6/10/2009	EPA 200.7	Total Phosphorous via ICP	0.262	mg/l	MSD
6/17/2009	EPA 200.7	Total Phosphorous via ICP	0.375	mg/l	MSD
6/24/2009	EPA 200.7	Total Phosphorous via ICP	0.578	mg/l	MSD
Monthly Average			<b>0.34</b>	mg/l	

# North Hunting Creek Wastewater Treatment Plant KY0029106

## Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
4/2/2009	EPA 200.7	Total Phosphorous via ICP	0.497	mg/l	MSD
4/7/2009	EPA 200.7	Total Phosphorous via ICP	0.775	mg/l	MSD
4/8/2009	EPA 200.7	Total Phosphorous via ICP	0.448	mg/l	MSD
4/9/2009	EPA 200.7	Total Phosphorous via ICP	0.326	mg/l	MSD
4/14/2009	EPA 200.7	Total Phosphorous via ICP	0.886	mg/l	MSD
4/15/2009	EPA 200.7	Total Phosphorous via ICP	0.441	mg/l	MSD
4/16/2009	EPA 200.7	Total Phosphorous via ICP	0.733	mg/l	MSD
4/21/2009	EPA 200.7	Total Phosphorous via ICP	0.577	mg/l	MSD
4/22/2009	EPA 200.7	Total Phosphorous via ICP	0.485	mg/l	MSD
4/23/2009	EPA 200.7	Total Phosphorous via ICP	0.61	mg/l	MSD
		Monthly Average	<b>0.58</b>	mg/l	
5/5/2009	EPA 200.7	Total Phosphorous via ICP	0.341	mg/l	MSD
5/12/2009	EPA 200.7	Total Phosphorous via ICP	0.208	mg/l	MSD
5/19/2009	EPA 200.7	Total Phosphorous via ICP	0.402	mg/l	MSD
5/26/2009	EPA 200.7	Total Phosphorous via ICP	0.506	mg/l	MSD
		Monthly Average	<b>0.36</b>	mg/l	
6/3/2009	EPA 200.7	Total Phosphorous via ICP	0.425	mg/l	MSD
6/10/2009	EPA 200.7	Total Phosphorous via ICP	0.292	mg/l	MSD
6/17/2009	EPA 200.7	Total Phosphorous via ICP	0.338	mg/l	MSD
6/24/2009	EPA 200.7	Total Phosphorous via ICP	0.571	mg/l	MSD
		Monthly Average	<b>0.41</b>	mg/l	

**Ken Carla Wastewater Treatment Plant KY0022497**  
**Quarterly Effluent Total Phosphorus Results**

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
4/2/2009	EPA 200.7	Total Phosphorous via ICP	0.494	mg/l	MSD
4/7/2009	EPA 200.7	Total Phosphorous via ICP	0.48	mg/l	MSD
4/8/2009	EPA 200.7	Total Phosphorous via ICP	0.487	mg/l	MSD
4/9/2009	EPA 200.7	Total Phosphorous via ICP	0.444	mg/l	MSD
4/14/2009	EPA 200.7	Total Phosphorous via ICP	0.339	mg/l	MSD
4/15/2009	EPA 200.7	Total Phosphorous via ICP	0.928	mg/l	MSD
4/16/2009	EPA 200.7	Total Phosphorous via ICP	0.499	mg/l	MSD
4/21/2009	EPA 200.7	Total Phosphorous via ICP	0.112	mg/l	MSD
4/22/2009	EPA 200.7	Total Phosphorous via ICP	0.173	mg/l	MSD
4/23/2009	EPA 200.7	Total Phosphorous via ICP	0.345	mg/l	MSD
		Monthly Average	<b>0.43</b>	mg/l	
5/18/2009	EPA 200.7	Total Phosphorous via ICP	0.391	mg/l	MSD
	EPA 200.7	Total Phosphorous via ICP		mg/l	MSD
	EPA 200.7	Total Phosphorous via ICP		mg/l	MSD
	EPA 200.7	Total Phosphorous via ICP		mg/l	MSD
		Monthly Average	<b>0.39</b>	mg/l	
6/3/2009	EPA 200.7	Total Phosphorous via ICP	0.092	mg/l	MSD
	EPA 200.7	Total Phosphorous via ICP		mg/l	MSD
	EPA 200.7	Total Phosphorous via ICP		mg/l	MSD
	EPA 200.7	Total Phosphorous via ICP		mg/l	MSD
		Monthly Average	<b>0.09</b>	mg/l	

# Hunting Creek South Wastewater Treatment Plant KY0029114

## Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
4/2/2009	EPA 200.7	Total Phosphorous via ICP	0.466	mg/l	MSD
4/7/2009	EPA 200.7	Total Phosphorous via ICP	0.432	mg/l	MSD
4/8/2009	EPA 200.7	Total Phosphorous via ICP	0.381	mg/l	MSD
4/9/2009	EPA 200.7	Total Phosphorous via ICP	0.436	mg/l	MSD
4/14/2009	EPA 200.7	Total Phosphorous via ICP	0.215	mg/l	MSD
4/15/2009	EPA 200.7	Total Phosphorous via ICP	0.481	mg/l	MSD
4/16/2009	EPA 200.7	Total Phosphorous via ICP	0.47	mg/l	MSD
4/21/2009	EPA 200.7	Total Phosphorous via ICP	0.436	mg/l	MSD
4/22/2009	EPA 200.7	Total Phosphorous via ICP	0.414	mg/l	MSD
4/23/2009	EPA 200.7	Total Phosphorous via ICP	0.523	mg/l	MSD
		Monthly Average	<b>0.43</b>	mg/l	
5/5/2009	EPA 200.7	Total Phosphorous via ICP	0.591	mg/l	MSD
5/12/2009	EPA 200.7	Total Phosphorous via ICP	0.487	mg/l	MSD
5/19/2009	EPA 200.7	Total Phosphorous via ICP	0.444	mg/l	MSD
5/26/2009	EPA 200.7	Total Phosphorous via ICP	0.558	mg/l	MSD
		Monthly Average	<b>0.52</b>	mg/l	
6/3/2009	EPA 200.7	Total Phosphorous via ICP	0.453	mg/l	MSD
6/10/2009	EPA 200.7	Total Phosphorous via ICP	0.448	mg/l	MSD
6/17/2009	EPA 200.7	Total Phosphorous via ICP	0.385	mg/l	MSD
6/24/2009	EPA 200.7	Total Phosphorous via ICP	1.03	mg/l	MSD
		Monthly Average	<b>0.58</b>	mg/l	