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December 16, 2010

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Subject: Annual Report
July 1, 2009 through June 30, 2010
Civil Action No. 3:08-cv-00608-CRS
DOJ Case No. 90-5-1-1-08254

Attention Chief:

Please find attached our Annual Report, prepared in accordance with Paragraph 30 of our Amended Consent Decree. This report is for the period July 1, 2009 through June 30, 2010.

I certify under penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Sincerely,

W. Brian Bingham
Regulatory Services Director

FY10 AR transmittal letter.doc

cc: H. J. Schardein, Jr.

Paula Purifoy

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Beneficial Use of Louisville's Biosolids
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Louisville and Jefferson County Wet Weather Consent Decree Annual Report



Reporting Period:

July 1, 2009 through June 30, 2010

Submitted To:

Kentucky Department of Environmental Protection
United States Environmental Protection Agency
United States Department of Justice

Submitted By:

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

Submittal Date:

December 30, 2010

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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 fifth Annual Report submitted in accordance with Paragraph 30 of the Amended Consent Decree. This report covers the time period from July 1, 2009, through June 30, 2010. **The structure for this report is outlined as follows:**

Section 1: 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 **July 1, 2009, through June 30, 2010**, and the anticipated projects and activities that are scheduled to be performed during the next reporting period (July 1, 2010, through June 30, 2011) for continued compliance with the Amended Consent Decree.

Section 2: Program Activities for Sewer Overflow Response Protocol - This section describes the scope, schedule and status for activities that were active during the reporting period **July 1, 2009, through June 30, 2010**, and the anticipated activities that are scheduled to be performed during the next reporting period (July 1, 2010, through June 30, 2011) for continued compliance with the Amended Consent Decree.

Section 3: 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 **July 1, 2009, through June 30, 2010**, and the anticipated projects and activities that are scheduled to be performed during the next reporting period (July 1, 2010, through June 30, 2011) for continued compliance with the Amended Consent Decree.

Section 4: 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 **July 1, 2009, through June 30, 2010**, and the anticipated activities that are scheduled to be performed during the next reporting period (July 1, 2010, through June 30, 2011) for continued compliance with the Amended Consent Decree.

Section 5: Capacity Management Operations and Maintenance - The program activities performed during the reporting period **July 1, 2009, through June 30, 2010**, and activities planned for the next reporting period (July 1, 2010, through June 30, 2011) are included in this section for continued compliance with the Amended Consent Decree.

Section 6: 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 **July 1, 2009, through June 30, 2010**, and the anticipated projects and activities that are scheduled to be performed during the next reporting period (July 1, 2010, through June 30, 2011) 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 8: Supplemental Environmental Projects (SEPs) Annual Report - The program activities performed during the reporting period (**July 1, 2009, through June 30, 2010**) and activities planned for the next reporting period (July 1, 2010, through June 30, 2011) are included in this section.

SECTION 1: Program Activities for Nine Minimum Controls

1.1 Nine Minimum Controls Program Background

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. Highlights of the NMC program implementation during FY10 are outlined below.

1.2 NMC 1: Proper Operation and Maintenance Programs

FY10 Program

Program Metrics

- Inspected and cleaned 17,653 catch basins within the combined sewer system (CSS) during FY10.
- Continued to conduct inspections of the catch basin leads within the combined sewer system and other key areas. These inspections involve testing each basin by filling it with water and ensuring it drains properly. During FY10, 1543 catch basins were inspected with 94 of those inspections resulting in follow-up repair or rehabilitation work orders.
- Continued to inspect, maintain and properly operate the CSS pump stations and the Morris Forman WQTC.
- Performed 5377 weekly inspections on CSOs, 1092 creek inspections, and initiated 500 work orders for debris removal and/or repairs as determined to be necessary to allow proper system operation during FY10.
- Flushed 167 sewer line segments in the CSS, ranging in size from 6 inches to 15 inches, and performed formula TV inspection on 320 lines, as part of the gravity sewer preventive maintenance program, during FY10.



- Achieved the following program metrics:

<u>Target</u>	<u>Result</u>
95% of CSOs inspected weekly.	100% Compliance - 104 CSOs were inspected weekly.
95% of flap gates inspected weekly.	100% Compliance – 14 flap gates on CSOs were inspected weekly.
95% of siphons inspected monthly.	100% Compliance - 10 siphons are inspected weekly and 9 additional siphons are inspected monthly.
95% of Debris or Repair Work Orders on CSO assets created the next work day after the inspection of the asset and open for no more than 5 days.	95% Compliance - There were 462 DEBRIS work orders and 1 CSOMOD work order created in FY10, 441 were created within 1 day of inspection. 99% of work orders were completed within 5 days of creation.
95% of the catch basins within the CSSA cleaned every 15 months.	100% Compliance - Currently MSD performs on a 12 month cycle.

Annual Training

- Administered annual CSO training on June 10, 2010, and June 17, 2010, to CSO Inspection Personnel and Dispatchers. Annual CSO training was revised to include modules on pump stations in the combined system, and included a confined space entry of a sewer. Twenty-eight staff members attended the two training sessions.

Annual Asset Review and Documentation

- Completed closure activities for CSO026 on June 16, 2010, as outlined in a memorandum detailing quick closure opportunities in the Central Relief Drain area.
- Finalized drawings and specifications for closure of CSO192, at the intersection of 6th Street and Garland Avenue near Downtown Louisville. This CSO contributes overflow to the Central Relief Drain. Substantial completion of the closure of CSO192 will occur prior to December 31, 2010.
- Initiated planning of a grit chamber structure and relocation of rack bars at CSO153 to better protect the siphon downstream of the low flow pipe at this location.
- Re-published the CSO Inventory document reflecting changes identified during the calendar year.

- Published CSO Schematic maps to show connectivity of assets and to aid preventive maintenance tasks.
- Updated and re-published siphon fact sheets and drawings.
- Continued several projects to create improved access to selected CSO sites to facilitate cleaning activities. Design is complete on the access road on Castlevale Road for CSO097. Easement acquisition is complete and the project will be advertised prior to July 30, 2010. The access project at Muncie Avenue was completed on June 22, 2010. Design is complete for the access project for the CSO130 outfall pipe. Design is complete on an access road to CSO151 on Castlewood Dell. This project is scheduled to be advertised on July 15, 2010, with construction expected to begin prior to September 30, 2010.
- Verified maintenance activities in concert with the solids and floatables visual sampling project with reconnaissance events on July 22, 2009, November 17, 2009, March 25, 2010, and June 10, 2010.
- Completed closure of CSO156 on October 30, 2009.
- Reviewed catch basin areas against the CSS area and explored re-alignment to confirm that regulatory commitments of cleaning on an 18 month cycle in the CSS are being achieved.

CSSA

- Provided details on the CSSA activities for FY10 in **Appendix I: CSSA Annual Report**.

FY11 Program

Program Metrics

- Continue cleaning and inspection programs.
- Continue to report on the following program goals:
 - 95% of CSOs Inspected/Week.
 - 95% of flap gates inspected weekly.
 - 95% of siphons inspected monthly.
 - 95% of Debris or Repair Work Orders on CSO assets created the next work day after the inspection of the asset and open for no more than 5 days.
 - 95% catch basins within the CSS cleaned every 15 months.

Annual Training

- Incorporate the results of the annual field investigation to adjust and enhance the annual CSO Field training modules.
- Schedule and conduct the annual CSO field training with I&FP and Morris Forman WQTC personnel.

Asset Review and Documentation

- Continue implementation of field verification effort.

- Continue to design and build access enhancement projects at CSO and siphon locations.
 - Design and construct enhanced access to the outfall at CSO130.
 - Complete construction of the access road at CSO097
 - Complete construction of the access road at CSO151
- Develop plans for modifications to the rack bars at CSO153 to enhance access for cleaning and operation of the siphon at this location.
- Construct improvements at CSO153 to protect the siphon from debris and potential obstructions.
- Review the CSO Inventory and revise as necessary.

CSSA

- Evaluate sewers requiring additional and/or immediate maintenance or cleaning based upon CSSA results from FY10.
- Define critical areas and large diameter sewers for inspection in FY12.
- Continue to enhance the blockage abatement program.

1.3 NMC 2: Maximization of Storage in the Collection System

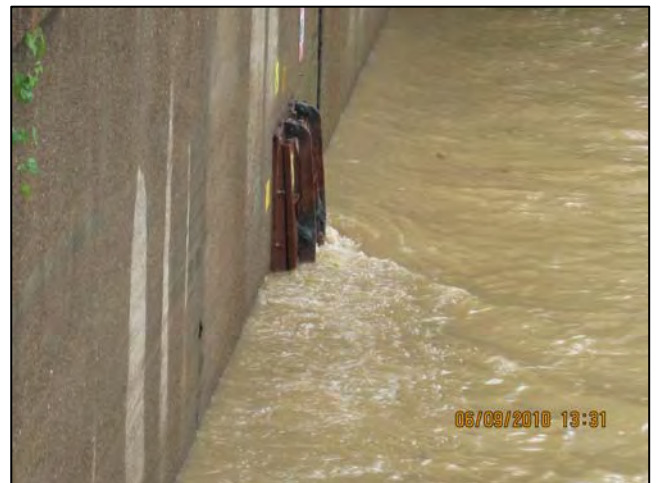
FY10 Program

Real Time Control Optimization

- Continued operation of Phase I and Phase 2 of the Real Time Control system. During FY10, approximately 922 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.
- Continued the following RTC projects:

Web-Based Training – Approved the Operators RTC Training modules and used the module in a training workshop held on December 18, 2009. MSD developed a beta group with the responsibility of participating in the initial training and attending work groups to review the training modules to determine each module's effectiveness. This beta group includes personnel within each division of MSD.

Southeast Diversion Flowmeter Instability Analysis – Received modified drawings and specifications in July 2009. Based upon the drawings and specifications submitted by BPR CSO, MSD purchased three Flodar Flowmeters. Flowmeters were installed at the Southeast Diversion Structure and the Nightingale Pump Station in November 2009. Staff has completed the local



programming for each flowmeter and the instability issues have been observed to be corrected. Final programming and testing was completed on January 19, 2010.

- Developed a working definition of “RTC active storage” to standardize the calculation of the volume of flow stored during wet weather events by RTC facilities.
- Scheduled time with RS and Operations staff in the computer room during rain events to observe the decision making process and reaction of the system to events. The intent of this activity was to identify further opportunities to enhance the RTC user interface or indicate where modifications in programming could improve system performance.
- Initiated an evaluation of existing and planned IOAP control facilities, pump stations, gates, and system models to determine opportunities and operational procedures to optimize the use of current and future CSO control facilities.
- Continued the RTC Phase II analytical and administrative projects.
- Determined appropriate tracking mechanisms and performed programming to actively implement performance measures to determine the volume of combined sewage stored in the system during rain events.

Storage Optimization

- CSO210 Dam Modification – Completed raising the dam at CSO210 on June 16, 2010.
- CSO108 Dam Modification – Started project design in October 2009. Design calls for the installation of a bending weir on the CSO108 dam to maximize storage in the upstream pipe network. Project was bid on May 25, 2010, with MSD Board approval on June 14, 2010.
- CSO210 and CSO016 Interconnection – Completed construction of an additional 24-inch low flow line, between CSO016 and CSO210 on June 16, 2010, to expand the conveyance of flow and minimize the possibilities of an overflow.
- Beargrass Creek Flap Gate Evaluation – Installed the first set of flap gates at CSO: 83/119, 88, 92, 140, the first week of December 2009, in accordance with the prioritization plan submitted in December 2008. Installation of the flap gate at CSO 149/179 was completed on February 3, 2010.
- Spring Drive Diversion – Designed a diversion structure to route flows from a fresh water spring away from the CSS and into Beargrass Creek during November 2009. Construction of the diversion structure was completed on March 29, 2010.
- CSO086 Dam Modification – Raised the Dam at CSO086 by 1.3 feet on October 29, 2009 to reduce the overflow volumes and frequencies at this location.

FY11 Program

Real Time Control Optimization

- Continue to schedule time with RS and Operations staff in the computer room during a rain event to observe the decision making process and reaction of the system to events. Based upon these meetings, enhancements to SOPs for wet weather will be discussed.
- Continue the RTC Phase II analytical and administrative projects.

- Continue to monitor CSOs upstream of Morris Forman WQTC to determine if physical modifications to the structures at CSO210 and CSO016 have reduced overflow.
- Continue an evaluation of existing and planned IOAP control facilities, pump stations, gates, and system models to determine opportunities and operational procedures to optimize the use of current and future CSO control facilities.

Storage Optimization

- Install the bending weir at CSO108 prior to December 31, 2010, in accordance with the IOAP schedule.
- Install flap gate at CSO146 prior to September 30, 2010.
- Continue to evaluate opportunities to raise dams and maximize storage.
- Review the operation of the flood gate downstream of CSO062 to determine if modification to the operational procedures of this gate can be enhanced to reduce overflows.

1.4 NMC 3: Review and Modification of Pretreatment Requirements

FY10 Program

- Finalized a memorandum outlining the review of industrial user sampling and modeling data for Non-Domestic Dischargers (NDDs) of concern and trunk line sewer data contributory to CSOs to determine if they discharge a disproportionate share of pollutants of concern to the CSS. MSD utilized data collected in June and October, 2009, to determine whether the 9 NDDs previously identified as significant contributors to their respective CSOs should remain as such. The data review validated that 7 of the 9 previously identified NDDs of concern are still significant contributors to their respective CSOs. Two of the original 9 NDDs of concern were found to be contributing less than historical amounts to their respective CSOs. However, MSD is choosing to continue oversight of these two NDDs of concern at this time. No new NDDs of concern were identified. The criteria to determine a significant user is greater than 10% of the loading contribution of a particular Pollutant of Concern (POC) to Beargrass Creek CSOs and 20% to Ohio River CSOs.
- Continued 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 FY10, MSD sent email notices to NDDs 98 times prior to a rain event. There were 80 rain events during FY10. There are currently 9 NDDs that voluntarily implement control during wet weather by alternating their cleaning schedule or by storing during a rain event and releasing later.
- Continued to include specific NMC #3 related language as appropriate, in new and re-issued wastewater discharge permits to facilities located in the CSS, as well as in Unusual Discharge Requests approved for discharge to the CSS. MSD re-issued 10 wastewater discharge permits in the CSS and issued 29 Unusual Discharge Requests in the CSS during FY10.
- Issued letters of commendation to NDDs of concern, that have implemented voluntary controls.

- Continued to track performance measures to monitor the effectiveness of the implementation of NMC #3 within the Pretreatment Program.

FY11 Program

- Continue to perform site visits for NDDs of concern.
- Implement recommendations from the NDD Water Quality Impact Risk Model based on recent changes to hydraulic model.
- Collect data from NDDs of concern and CSS trunk sewers to support future NDD Water Quality Impact Risk Model updates.
- Track annual pretreatment inspections using Hansen.
- Provide email wet weather event notifications to NDDs of concern.
- Refer projects internally for green infrastructure opportunities.
- Utilize the revised permit application.
- Consider wet weather impacts when issuing/reissuing wastewater discharge and UDR permits to users in the CSS.
- Review performance measures and consider new measures.

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

FY10 Program

- 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 FY10, approximately 922 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.
- Awarded a contract for professional services on December 11, 2009, for the RTC System-Wide Optimization and Controls Project. The purpose of the project is to develop a holistic operating strategy for MSD's facilities, including pump stations, flow diversions, in-line and off-line storage, and treatment facilities. The role of MSD's existing Csoft program will be evaluated to determine if additional sites should be added to the system and establish its long-term role in the MSD operating system. If the project concludes that some operable facilities should not be controlled by Csoft, the interface needs between Csoft and other MSD operating control systems will be defined. The project will outline an approach to maximize regulatory compliance, minimize water quality impacts due to permitted and unpermitted discharges, and identify resource needs to ensure sustainability and continuous improvement of the optimization control system. Budgetary impacts on existing operating systems will also be identified. A kick-off meeting for the project was held on June 22, 2010.
- Awarded a contract for professional services on December 11, 2009, for the Morris Forman WQTC Wet Weather SOP Enhancements Project. A notice-to-proceed was

issued on March 29, 2010. This project will enhance the performance at the Morris Forman WQTC to address some of the underlying dynamics that affect available plant capacity, flow monitoring and wet weather operations. MSD will increase the frequency of completing the capacity calculation and enhance the plant wet weather SOP and update training to support this task. A kick-off meeting was held on April 7, 2010. Review of the Wet Weather SOP was initiated during FY10.

- Reported 90 days where the peak flow was over 300 MGD at Morris Forman WQTC. There were 4 KPDES permit violations at Morris Forman WQTC during FY10.
- Scheduled time with RS and Operations staff in the computer room during a rain event to observe the decision making process and reaction of Morris Forman WQTC processes to the event.

FY11 Program

- Continue implementation of the RTC Phase II programmatic enhancement initiatives.
- Continue the 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.
- Develop and publish performance measures for maximization of treatment through Morris Forman WQTC.
- Continue studies and, if appropriate, improvements to flow measurement at several places in the Morris Forman WQTC, including:
 - Development of an algorithm to calculate flow under Sluice Gate 1 at the Main Diversion Structure during wet weather events;
 - Improvements to the Parshall Flumes at the New Headworks to improve flow measurement under high flow/submerged flume conditions;
 - Develop a weir equation to allow flow measurement by the movable weir upstream of the old Headworks;
 - Replace the flow meters upstream of the 20 secondary clarifiers; and
 - Evaluate operating levels in the Final Effluent Pump Station to see if the existing effluent flume can be used during pumping operations.
- Continue to enhance and train on the SOP for flow handling at MDS to allow for maximum treatment at Morris Forman WQTC prior to any flow being stored. Evaluate flow management strategy and subsequent Csoft/local station programming to determine if refinement is necessary.
- Continue to schedule time with RS and Operations staff in the computer room during a rain event to observe the decision making process and reaction of Morris Forman WQTC processes to the event.

1.6 NMC 5: Elimination of CSOs During Dry Weather

FY10 Program

Flood Pump Stations

- Initiated a project to update the U.S. Army Corps of Engineers (USACE) Flood Operations and Maintenance Manual. The project will update the four volumes of the operations and maintenance manuals for the Flood Pump Stations (FPS) to reflect current operational procedures and protocols along with revisions related to changes proposed to reduce dry weather overflows. A notice-to-proceed was issued on June 27, 2010.
- Pumped approximately 231,000 gallons of trapped flow back into the sanitary sewer system to avoid dry weather overflows as a result of operation of the flood protection system from the 34th Street, Starkey, and 4th Street Flood Pump Stations during FY10.
- Initiated contract administration activities for the 27th Street and Shawnee Flood Pump Station (FPS) Dry Weather Overflow (DWO) Elimination projects. Completed design of gate automation changes at 4th Street and 34th Street PS to eliminate DWOs in “idle” mode.
- Completed and implemented the SOPs for the Flood Pump Stations that did not require a capital project in FY10. SOPs were completed for the following Flood Pump Stations:
 - 5th Street Flood Pump Station
 - 10th Street Flood Pump Station
 - Beargrass Creek Flood Pump Station
 - Paddy’s Run Flood Pump Station
 - Starkey Flood Pump Station
 - Western Flood Pump Station

Asset Analysis

- 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).
- Performed inspection and cleaning of FOG hotspots within the CSS, in accordance with CMOM commitments.
- Performed a review of Louisville Water Company SOPs and practices relative to line breaks, hydrant flow tests and line flushing that may create DWOs or storm water discharges by hyper-chlorinated releases during FY10.

FY11 Program

Flood Pump Stations

- Continue to implement additional operational and/or structural modifications at flood pump stations within the CSS to prevent dry weather overflows. Discussions with the

USACE continued regarding proposed modifications to these pumping stations that will minimize dry weather CSOs due to high river levels.

- Implement gate automation changes at 4th Street and 34th Street Flood Pump Stations to eliminate DWOs in “idle” mode. The Consent Decree deadline for completion of these projects is December 31, 2012.
- Initiate design of modifications for Shawnee and 27th Street Flood Pump Stations.
- Update the current flood protection system operation and maintenance manual prior to June 30, 2011. This update will include the Flood Pump Station SOP revisions to eliminate DWOs.
- Conduct training on the revised SOPs for the Flood Pump Stations that did not require a capital project in FY10, including:
 - 5th Street Flood Pump Station
 - 10th Street Flood Pump Station
 - Beargrass Creek Flood Pump Station
 - Paddy’s Run Flood Pump Station
 - Starkey Flood Pump Station
 - Western Flood Pump Station

Asset Analysis

- Perform a quarterly evaluation of dry weather overflows 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.
- Initiate a work group including members of MSD staff and Louisville Water Company staff to review protocols for hydrant flow tests to prevent any DWOs caused by hyper-chlorinated discharges. LWC processes that could cause overflows or any impacts to MSD facilities will be considered and discussed. In FY11, MSD will request the participation of LWC staff on a workgroup to review the SOPs.
- Perform inspection and cleaning of FOG hotspots within the CSS, in accordance with CMOM commitments.

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

FY10 Program

Field Verification

- Continued to monitor and document performance of the CSO108 Solids and Floatables control CDS operation in accordance with the MOU with the Kentucky Nature Preserve. Two semi-annual reports of the efficacy of the CDS unit were submitted to the Kentucky Nature Preserve in FY10. Copies of the semi-annual CSO108 efficacy report are provided in the Project WIN Quarterly Report 17 and 19.

- Received a scope of work for implementation of a sampling program for solids and floatables controls on June 14, 2010.
- Continued to review new S&F technologies for potential incorporation into the program.
- CSO108 Rehabilitation – Completed the initial rehabilitation work 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. Due to wet weather and high ground water conditions, staff was not able to enter the CDS unit and incoming 24-inch diameter sewer for inspection during May and June, 2010.
- Performed wet weather inspections on two routes, as part of the expanded visual inspection program to determine the efficacy of installed controls. The intent of the visual inspections is to verify that the installed controls are working by checking the appearance of the creek/river before, during and after an event compared to a standard for aesthetics. S&F were assessed during four events on the following dates: July 22, 2009, November 17, 2009, March 25, 2010, and June 10, 2010. A summary of findings include:
 - Materials captured at the Morris Forman WQTC head works have increased by nearly 100% since the installation of 78 solids and floatables controls in 2006, suggesting that a significant amount of solids and floatables have been retained in the collection system due to these controls.
 - Inspection and maintenance cycles were critical to the operation of S&F devices – mechanical devices would not perform if not properly maintained and operated.
 - Water bodies in the CSS were more impaired with floatables prior to an event versus during the event, suggesting that the controls in place were effective in retaining materials in the system, and suggesting that CSOs are not the major contributors of solids and floatables to the water bodies.

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 FY10, 402 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 Morris Forman WQTC, 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. Results for the FY10 are shown in the table below:

Location	Approximate Amount of Debris Removed
Catch Basin and Sewer cleaning	3,800 CY
S&F Controls and Sneads Branch	33 CY
Headworks of Morris Forman WQTC	11,570 CY
Street Sweeping	900 Tons

FY11 Program

Field Verification

- Continue to observe and document the effectiveness of controls for different floatable types at selected locations. Summarize findings in the FY11 Annual Report.
- Seek out additional technologies for S&F control at the Five Cities Plus Conference, and WEFTEC. Recommendations will be prepared by December 31, 2010.
- Continue to monitor and document performance of the CSO108 Solids and Floatable structure operation in accordance with the MOU with the Kentucky Nature Preserve by MSD Crews. Reports will be submitted on June 30, and December 31 annually.
- **CSO108 Rehabilitation** –Plan to enter the unit and line for detailed inspection during FY11. The interceptor line entering the unit will also be CCTV'd for a potential CIPP lining project.

Solids and Floatables Debris Removal

- Track the volume of solids and floatables materials removed from the CSS.

1.8 NMC 7: Pollution Prevention Programs to Reduce Contaminants in CSOs

FY10 Program

- Continued coordination of activities performed by Louisville Metro such as: street sweeping, Operation Brightside (trash and litter clean-up), and other Metro pollution prevention programs.
- 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 (EPSC). Developed a tracking system for EPSC NOVs and Field Correction Notices



within the CSS. MSD started tracking EPSC metrics in October 2009. From October 1 through the end of FY10, 49 field correction notices and 8 NOVs were issued for activities within the CSS.

- Continued issuance of Wastewater Discharge Permits under the Industrial Pretreatment Program.
- Continued 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 FY10. The Louisville Nature Center distributed 261 rain barrels during FY10.
- Continued to 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.
- Executed a contract to develop Stormwater Pollution Prevention Plans (SWPPPs) for the WQTCs, major Pump Stations, and CMF.
- Continued issuance of Wastewater Discharge Permits under the Industrial Pretreatment Program.
- Developed a mechanism to track EPSC NOVs and Field Correction Notices within the CSS for mapping and reporting.
- Continued to review and evaluate the MSD Design Manual and Standard Drawings for opportunities to include green infrastructure components as an alternative.
- Developed a workplan to review and enhance the Green Infrastructure BMP manual for items such as rain gardens, rain barrels, and pervious pavement.
- Developed literature for distribution to SIUs on BMPs for prevention of pollution.
- Developed the framework for the IOAP green infrastructure program tracking in HANSEN and Sharepoint.
- Utilized and distributed the rain garden handbook to Louisville Metro agencies and to the public in order to encourage green infrastructure.

FY11 Program

- Complete plans and training modules related to Stormwater Pollution Prevention Plans (SWPPPs) for the WQTCs, major Pump Stations, and CMF by June 30, 2011.
- Seek opportunities to partner with Louisville Metro and Louisville Metro Police Department at pharmaceutical destruction events.
- Utilize and distribute the rain garden handbook to Louisville Metro agencies and to the public in order to encourage green infrastructure.

- Continue to track green infrastructure projects and initiatives in Hansen and Sharepoint.
- Continue development of a green infrastructure BMP manual.
- Continue to track EPSC NOVs and Field Correction Notices within the CSS.
- Continue to 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 including a series of advertisements published in the paper and online versions of the Courier Journal.

1.9 NMC 8: Public Notification

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

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

FY10 Program

- 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.
- Posted predictive and real-time radar rainfall services with 4-hour predictive rainfall estimates across 700 pixels countywide in addition to MSD's rain gauge network. These services streamline rainfall data transfer between MSD's rainfall data vendor and the Real Time Control interface and model simulation. MSD also received 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.
- Initiated a work order for a post-construction sampling project around the 'Big Four' SSOs that are being mitigated. MSD evaluated the rainfall tolerances and weather patterns for making decisions on event mobilization.
- Monitored CSOs with an AAOV greater than 10 MG, except for two overflows that have proven to be highly difficult to install monitors (CSO023 and Sneads Branch Relief). The annual discharge volume at CSO023 and Sneads Branch Relief is generated using the sewer hydraulic model along with each quarter's radar rainfall data. Reporting on these two CSOs, with a calculated volume, began on April 1, 2010.
- Identified strategic monitoring locations and proposed equipment for CSS flow meters for use in improving CSS model calibration and green infrastructure assessment. Continued the ecological database design and import of historical biological, macro invertebrate and habitat assessment data.
- Continued the review of RTC performance reports versus modeled site performance and resultant AAOV reductions.
- Continued to monitor for and provide quicker response to dry weather overflows, battery depletion, and meter drift at CSO locations with flow meters installed. Alarms are now

set on sewer flow monitoring locations to notify staff of low batteries, unusual flow conditions, and possible dry weather discharges.

- Received an enhanced radar/rainfall dataset that will improve MSD's ability to simulate past rainfall events. This data will improve model calibration over time and allow MSD to investigate wet weather operations issues more effectively.
- Produced the bi-annual Water Quality Synthesis Report by December 31, 2009, which included trending and regulatory performance reports for FY09 and FY10 for sites collecting dissolved oxygen and fecal coliform information. A copy of this data is provided in Quarterly Report 17.
- Produced an updated CSO and sewer pollutant characterization table.
- Continued sampling upstream and downstream of CSO206, as well as the overflow stream, during dry and wet weather to establish baseline conditions prior to its elimination. This sampling occurred during the 2009 recreational contact season.

FY11 Program

- Continue to be collect Sonde data through the USGS Automated Data Processing System (ADPS) site and define additional quality control review procedures.
- Continue 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.
- Continue to implement flow monitoring with remote viewing capabilities on CSOs with an AAOV exceeding 10 million gallons per year and to utilize the remote flow monitoring viewing capabilities to monitor for and provide quicker response to dry weather overflows, battery depletion, and meter drift.
- Develop a board package for purchase of monitoring equipment for model calibration and green infrastructure equipment in FY11.
- Continue the pre and post construction monitoring program to determine the efficacy of installed projects outlined in the IOAP.
- Continue to receive an enhanced radar/rainfall dataset that will improve MSD's ability to simulate past rainfall events. This data will improve model calibration over time and allow MSD to investigate wet weather operations issues more effectively.
- Continue the review of RTC performance reports versus modeled site performance and resultant AAOV reductions.

SECTION 2: Program Activities for Sewer Overflow Response Protocol

2.1 SORP Program Background

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. The following activities were performed during this reporting period.

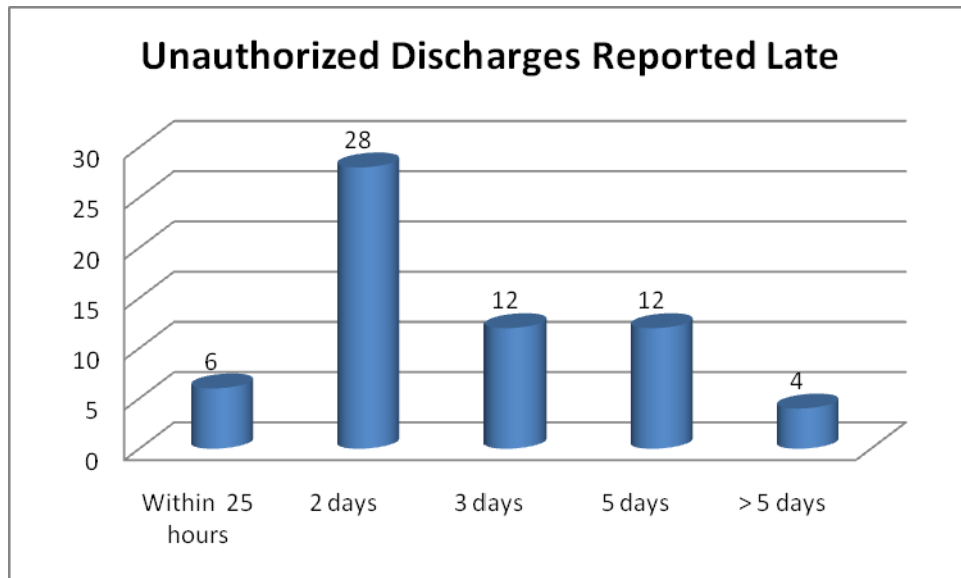
2.2 Overflow Management and Field Documentation

FY10 Program

- Documented a total of 1334 overflows in FY10. The chart below shows these overflows broken down by Dry/Wet, Interior, Exterior, Waters of the US (WUS), and by Problem Code. Interior overflows **do not** include those that are the result of a problem on MSD's portion of the lateral. In addition, any interior overflow that is caused by a private property matter is also excluded from reporting.

Problem	Dry			Wet			Total
	Interior	Exterior	Waters of the US	Interior	Exterior	Waters of the US	
Capacity	0	0	0	627	13	293	933
Pump	0	0	0	0	1	52	53
Structural	1	6	4	0	1	0	12
Electrical	0	2	3	0	0	5	10
Mechanical	1	18	7	0	1	1	28
Grease	9	0	1	1	0	0	11
Roots	61	10	4	15	2	0	92
Obstruction	73	21	9	12	4	0	119
Power	0	2	3	0	0	8	13
Bypass	0	0	13	0	0	20	33
Blend	0	0	0	0	0	16	16
USACE Flood PS	0	0	0	0	0	0	0
Utility Damage	7	3	4	0	0	0	14
Total	152	62	48	655	22	395	1334

- Reported 381 of the 443 overflows that reached the WUS (86%) within 24 hours.
- Reported 62 of the 443 overflows that reached the WUS (14%) more than 24 hours after the start of the event: 39 of those overflows that were reported late occurred on either August 4, 2009 or May 2, 2010. Force Majeure was requested on these two days.



- Reported 49 of the 443 of the overflows that reached the WUS (11%), as a Bypass or Blending event that required an additional 5 day written report.
- Reported 24 of the 262 dry weather discharges (9%), each with a volume between 1,000 and 50,000 gallons.
- Reported 9 of the 262 dry weather discharges (3%), each with a volume greater than 50,000 gallons.
- Updated the Project WIN website interactive map showing CSO locations and documented SSOs.
- Scheduled additional field reviews of SORP procedures after rain events to both ensure successful implementation and to assist with the annual SORP overall review. Reviews were conducted on September 22, 2009, March 3, 2010, and June 9, 2010.
- Continued to review and enhance the SORP Implementation Manual.
- Reviewed and adjusted overflow/wet weather inspection routes as part of the annual SORP review. New routes were sent to EPA/KDEP on March 24, 2010.
- Continued daily, monthly and quarterly reviews with staff from Metro Operations, Infrastructure & Flood Protection and Regulatory Services.
- Continued to monitor 11 locations and took preventive measures to reduce basement backups. Work orders are used to track these various activities. During FY10, MSD I&FP staff mobilized pumps on 31 different days.

- Continued to monitor overflow (SSO) sites, which have been grouped into routes based on the range of rainfall rates necessary to cause a SSO. These routes were monitored during rain events depending on the magnitude and location of the storm. If an overflow was observed, a Discharge Work Order was created to document the event. During FY10, MSD RS and Engineering staff found 209 unauthorized discharges. Forty-two inspection routes were executed on 16 days in FY10.
- Continued to monitor over 300 sites via telemetry. There were approximately 20 sites where sewage was 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 FY10, MSD Metro Operations staff hauled over 9.2 million gallons of sewage.

FY11 Program

- Continue to monitor data, train staff and update information as needed.
- Continue to monitor over 300 sites via telemetry.
- Continue to haul to prevent overflows and backups during rain events until system improvements are completed.
- Continue to monitor documented collection system SSO sites, which have been grouped into routes based on the range of rainfall rates necessary to cause a SSO.
- Continue the daily, monthly and quarterly data reviews with staff from Metro Operations, Infrastructure & Flood Protection and Regulatory Services to ensure accuracy and consistency in reporting.
- Continue to monitor the 11 locations that MSD does pump or has previously pumped and take preventive measures to reduce basement backups.
- Schedule additional field reviews of SORP procedures after rain events to both ensure successful implementation and to assist with the annual SORP overall review.
- Publish the revised SORP Implementation Manual on MSD's SharePoint site for internal staff distribution.

2.3 Regulatory Reporting and Data Management

FY10 Program

- Conducted monthly meetings with staff to perform quality control on discharge work orders.
- Conducted a monthly review of the discharge work orders and updated the associated assets in Hansen as needed.
- Performed a detailed review and trend analysis on the discharge data, incorporated the findings into the quarterly SORP training and the quarterly reports.

FY11 Program

- Continue to perform quality control on discharge work orders with appropriate staff.
- Update assets in Hansen when new overflow locations are identified.
- Continue to review the overflow data for trends. These trends are discussed with staff in the Quarterly SORP training and documented in the Quarterly Reports.

2.4 Staff Training and Communication

FY10 Program

- Facilitated the **SORP FY10 Quarterly Training**.

Key Learning Objective	Session 1	Session 2	Session 3	Session 4
	July - September	October - December	January - March	April - June
Clean up and public notification	11 classes in September 264 staff trained			
Overflow field documentation		4 classes in November 9 classes in December 221 staff trained		
Monitoring, staging, reconnaissance and mobilization.			6 classes in February 7 classes in March 273 staff trained	
Control zones, mitigation and volume estimation.				6 classes in May 4 classes in June 243 staff trained

- Facilitated the **SORP FY10 Annual Training** from November 2009 through December 2009. 13 training sessions were held and 607 staff/contractors attended.
- Developed and administered a SORP training course for the Sanitary Sewer Evaluation Study contractors. Class was held on April 28, 2010, and attended by 25 contractors from 20 different firms.
- Updated the modules for each of the quarterly SORP training prior to each session.
- Enhanced the SORP Implementation Manual.

FY11 Program

- Schedule the FY11 SORP Quarterly Training as described below.

	Session 1	Session 2	Session 3	Session 4
	July - September	October - December	January - March	April - June
Key Learning Objectives	Clean up and public notification	Overflow field documentation	Monitoring, staging, reconnaissance and mobilization	Control zones, mitigation and volume estimation

-
- Conduct the Annual SORP training in November and December 2010, for MSD staff.
 - Continue to review and update the data associated with overflows.

2.5 Annual Program Review

FY10 Program

- Completed the annual SORP document review in August, 2009. There were no major program updates.
- Reviewed and updated routes to include any new SSO locations. New routes were published on March 24, 2010, and sent to EPA/KDEP.
- Performed a review of new SSO locations that were identified since the submission of the SSDP in December 2008. 67 sites were investigated.
 - 60 sites are addressed by active or proposed projects
 - 6 sites reported overflows that were beyond the design storm chosen as the “MSD Maximum Level of Protection”
 - 1 site was repaired

FY11 Program

- Perform the annual SORP review prior to August 2010. There are no major program updates anticipated at this time. Routes will be reviewed and updated to include any new SSO locations. New routes will be sent to EPA/KDEP by August 22, 2010. New routes will be published once approved by EPA/KDEP.

2.6 Public Notification and Communication

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

SECTION 3: Program Activities for Discharge Abatement Plans

3.1 Integrated Overflow Abatement Plan (IOAP)

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 Final Sanitary Sewer Discharge Plan and the CSO Long Term Control Plan were submitted concurrently and certified on December 19, 2008, under the title of the Integrated Overflow Abatement Plan (IOAP). In response to questions from EPA and KDEP, MSD revised and clarified portions of the IOAP and resubmitted the three volumes with a revision date of June 19, 2009. The Final IOAP was submitted with a date of September 30, 2009. Approval was received on October 23, 2009.

The following IOAP activities were performed during FY10 or are planned for FY11:

- Conducted a meeting with representatives of EPA Region 4 and KDEP at MSD offices in Louisville on July 21, 2009. The purpose of this meeting was to discuss the June 19, 2009, re-submittal of the IOAP. The discussions were very productive, with many of EPA and KDEP's questions resolved during the meeting. Several questions did require further clarification or revision to the documents, however. The consensus of the meeting participants was that the clarifications and revisions were minor, and could be handled by replacing pages, rather than resubmitting the entire IOAP.
- Revised affected pages in each of the three volumes and re-submitted on August 21, 2009. The revised pages retained the June 19, 2009, submittal date, but pages with changes made after June 19, 2009, were so noted in the footer of each page that had been modified.
- Conducted a conference call with representatives of EPA Region 4 and KDEP on September 9, 2009, to discuss the August 21, 2009, revisions. Following the call, a series of email communications provided answers to questions raised during the call. MSD agreed to make two minor corrections to tables that were noted to have inconsistencies. It was agreed that these corrections would be made to the version of the IOAP that was submitted for final approval to the Court, and that replacement pages would not be required at this time.
- Received verbal approval of the IOAP during a conference call on September 23, 2009. Following this call MSD made the table corrections noted above, and began assembling a submittal dated September 30, 2009, to accompany EPA and KDEP's recommendation for approval to the Court. This submittal was transmitted to EPA, KDEP and DOJ by November 6, 2009. Prior to transmittal of the final copies, MSD received a conditional approval letter on October 23, 2009.
- Prepared for a public comment period that was required prior to formal acceptance and incorporation of the IOAP into the Amended Consent Decree. In support of this, MSD distributed complete copies of the IOAP (including DVDs containing the Appendices) for

public review at MSD's Main Office Building, and at branches of the Louisville and Jefferson County Free Public Library system. DVDs of the entire IOAP were also available for purchase through MSD's standard document distribution system.

- Posted the IOAP (not including the Appendices) on the Project WIN website in November 2009.
- Submitted for approval the Final CSO LTCP dated September 30, 2009, as Volume 2 of the Integrated Overflow Abatement Plan (IOAP). The IOAP was accepted by the Federal Court and incorporated by reference into the Amended Consent Decree by an Order signed February 12, 2010, that was entered into public record February 15, 2010.
- Submitted for approval a Final Sanitary Sewer Discharge Plan (SSDP) dated September 30, 2009, as Volume 3 of the Integrated Overflow Abatement Plan (IOAP). The IOAP was accepted by the Federal Court and incorporated by reference into the Amended Consent Decree by an Order signed February 12, 2010, that was entered into public record February 15, 2010.

3.2 Sanitary Sewer Discharge Plan (SSDP)

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.

3.2.1 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.

Activities required under the Updated Sanitary Sewer Overflow Plan (SSOP) have been completed.

3.2.2 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.

Refer to **Appendix A** for a chart showing the schedule of the activities described in this section. **Projects are now listed by Budget ID in the chart.** Note that the schedule in **Appendix A** shows completion dates that are earlier than the dates 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 FY10 or are planned for FY11.

- Beechwood Village Sanitary Sewer Replacement East (Budget ID E07261) – As of June 30, 2010, the contractor has completed 303 of 303 (100%) of the house plumbing modifications. The original bid included internal plumbing changes for 328 houses. During construction it was determined internal plumbing changes were not needed on 25 of the 328 houses. MSD has installed 330 of 330 new property service connections (100%), completed 15,085 feet (100%) of cured-in-place pipe (CIPP) lining of the existing sewers and epoxy-lined 75 manholes. This project has removed 122 sump pumps from the sanitary sewer, closed 3 open yard/foundation drains that connected directly into the sewer and installed 4,038 feet (100%) of 18-inch relief sewer. Restoration and cleanup is in progress. During FY11, project construction restoration and clean-up will be completed. This project will be completed by April 27, 2011, in accordance with the ISSDP schedule and the Amended Consent Decree.
- Beechwood Village Sanitary Sewer Replacement West (Budget ID E08034) – This project was bid on June 9, 2009, and awarded on July 13, 2009. Notice-to-proceed was given on September 9, 2009. As of June 30, 2010, 8480 feet (100%) of the 8-inch sewer line has received cured-in-place pipe lining and 42 of 45 manholes have been lined. MSD has completed 218 of 247 (88%) in-house plumbing modifications and installed 244 of 247 (99%) new property service connections. During FY11, MSD will complete the in-house plumbing modifications, the installation of the new property service connections, site restoration and final clean-up. This project 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) - This project extended the existing Sinking Fork Interceptor to provide an outlet for the Beechwood Village projects. This project was bid on February 12, 2009. Construction on the interceptor was substantially completed on November 30, 2009, and the project was certified on December 22, 2009. This project was completed in advance of the December 30, 2010, date outlined in the ISSDP schedule and the Amended Consent Decree.
- Southeast Interceptor Relief Sewer (Budget ID H08358) - Construction is required for a new relief interceptor parallel to the Southeast Interceptor from the Southeast Diversion Structure to the Northern Ditch Interceptor. The project is being divided into two phases to expedite construction. The Interceptor phases I and II will consist of 7,800 linear feet of 60-inch diameter sewer and 600 linear feet of tunnel. A new junction structure will connect this relief sewer to the proposed Hikes Lane Interceptor and the existing Buechel Branch Interceptor. As of June 30, 2010, design on Phase I was 100% completed and easements secured. Phase I was advertised for bid on June 4, 2010. Phase II (lower section) design was 95% complete and easement acquisition is in progress. During FY11, Phase II will be advertised and construction activities will begin for both phases. The Southeast Interceptor Relief Sewer will be completed by May 12, 2012, in accordance with the ISSDP schedule and the Amended Consent Decree.
- Hikes Lane Interceptor & Highgate Springs Pump Station (Budget ID H07286 and Budget ID H07287) - The Hikes Lane Interceptor has been divided into Phase I and Phase II in order to allow bidding and construction to begin on the lower portion of the project while easement acquisition and final design continues on the upper section. Phase I, the lower section, was given notice-to-proceed for construction on May 31,

2010. Phase II of Hikes Lane Interceptor is under easement acquisition and is scheduled to be bid in the first quarter of 2011. The Hikes Point Relief Sewer and Carson-Ribble Relief Sewer are two small interceptor improvements that are in the same area as the Hikes Lane Interceptor. Hikes Point Relief Sewer (ID H07287) is scheduled for bid in the fourth quarter of 2011. The Carson-Ribble Relief Sewer Project (ID H09008) was awarded on June 22, 2009, and construction was substantially completed on November 20, 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 includes 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 pumped through the Northern Ditch Pump Station) to the Derek R. Guthrie WQTC. This effort will provide and allow relief for the closure of the existing Southeastern Diversion Overflow. The entire improvement is divided into three phases. Construction of the first phase was awarded on May 26, 2009, and notice-to-proceed was given on June 15, 2009. Phase I consists of 6,910 linear feet of 84-inch diameter sewer and 102 linear feet of tunnel at the National Turnpike. Construction is in progress with 3,400 feet (49%) of the 84-inch diameter interceptor installed as of June 30, 2010.

Phase II starts at the upstream end of the tunnel and includes 4,770 linear feet (75%) of 84-inch diameter sewer pipe and a diversion structure at the existing 72-inch Northern Ditch Interceptor. Phase II notice-to-proceed date was November 30, 2009. The contractor has begun work on the diversion structure and has installed about 3,600 feet of the 84-inch diameter interceptor as of June 30, 2010. During FY11, it is anticipated that the construction of Phase 1 will be completed by December 2010 and construction activities associated with Phase II will continue.

The Northern Ditch Diversion Interceptor will be completed by July 31, 2011, in accordance with the ISSDP schedule and the Amended Consent Decree.

Phase III consists of several tributary lines to eliminate 3 existing pump stations. Phase III can only be bid after Phase I is completed. Phase III is not a requirement of the Amended Consent Decree or committed within ISSDP. This project is being tracked as part of the Northern Ditch Diversion Interceptor project and should be complete by December 2011.

The construction to close the Southeast Diversion overflow is a separate maintenance activity and will be completed by December 2011, in accordance with the revised ISSDP schedule and the Amended Consent Decree.

- Derek R. Guthrie WQTC Wet Weather Equalization and Treatment Project (Budget ID H06302) - The final design is divided into three separate packages, Pumping Package (PP), Wet Weather Treatment Facility (WWTF), and the Equalization Basin. Construction began on two of the three packages. MSD's Board approved the award of a construction contract on the PP Project (H06302) and the WWTF Project (H095614) on April 12, 2010. The PP contract was issued with the notice-to-proceed date of April

28, 2010, and the WWTF contract was issued with the notice-to-proceed date of May 4, 2010. A public meeting was held for the neighboring residents of the Derek R. Guthrie Water Quality Treatment Center (WQTC) on April 26, 2010, to provide additional information on the proposed projects and the possible temporary impacts to the area during construction.

During FY11, MSD will finalize the contract documents for the Equalization Basin, complete bidding activities and will start construction. It is anticipated that the negotiations for the additional property needed for the Basin will be completed. Construction of the flow equalization basin, pumping facilities, and the expanded secondary treatment facilities to address the higher peak wet weather flows at the Derek R. Guthrie WQTC, will be completed by December 31, 2011, in accordance with the ISSDP schedule and the Amended Consent Decree.

3.2.3 Final Sanitary Sewer Discharge Plan

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. **Projects are now listed by Budget ID in the chart.** Note that the schedule in **Appendix A** shows completion dates that are earlier than the dates contained in the Final SSDP. 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 submitted Final SSDP remain the committed dates for completion of the Final SSDP projects.

The following activities were performed during FY10 or are planned for FY11.

Cedar Creek Area

- Running Fox Pump Station Elimination (Budget ID H09178) – 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. This project was bid on December 11, 2009. Flow was diverted from the pump station on March 8, 2010. Construction was completed on March 10, 2010. The project was certified by letter dated April 5, 2010. All phases of the project were completed before the deadline of December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- Little Cedar Creek Interceptor Improvements (Budget ID H09163) – During FY10, the Running Fox and the Avanti Pump Stations were eliminated. The flow from both stations was diverted to this service area. These pump stations experience high wet weather flows. To address these flows and existing SSOs in the project area, the Little Cedar Creek SSES project (Budget ID H09389) was created to investigate this area in the Cedar Creek WQTC service area. An engineering consultant was selected and final negotiations were completed in November with a Board award date of November 23, 2009. A notice-to-proceed was issued on February 15, 2010. An open house public meeting was held on March 23, 2010. Field activities began to address observed high wet weather flows and existing SSOs in the project area. Field activities completed as of June 30, 2010, include 643 manhole inspections, 77,465 linear feet of CCTV inspection, 120 private property inspections, 31,576 linear feet of smoke testing and three wet

weather inspections. The consultant began the QA/QC process for data gathered in preparation for delivery to MSD. During FY11, CCTV, smoke testing, manhole and private property inspections will be completed. Data delivery to MSD will be completed and the consultant will submit a Final SSES report to MSD by December 30, 2010. Any potential I&I reduction determined from the SSES report and any completed remediation will be monitored and included in the final design evaluation for this project. All phases of the project will be completed by December 31, 2024, in accordance with the IOAP schedule and the Amended Consent Decree.

Hite Creek Area

- Meadow Stream Pump Station In-line Storage Project (Budget ID H09174) – During FY10, the Hite Creek SSES (H09394) was created and expanded to include all of the Meadow Stream service area. This SSES project will be completed on the entire Meadow Stream service area because it includes the following SSDP projects: Floydsburg Road I&I Investigation and Rehabilitation Project, the Kavanaugh Road Pump Station Improvements Project (Budget ID H09171) and the Meadow Stream Pump Station In-line Storage Project (Budget ID H09174). An engineering consultant was selected and final negotiations were completed in November with a Board award date of December 14, 2009. A notice-to-proceed was issued on February 2, 2010, and an open house public meeting was held on March 2, 2010. Field activities completed as of June 30, 2010, include 667 manhole inspections, 22,015 linear feet of CCTV inspection, 20 private property inspections and 3 wet weather inspections. During FY11, CCTV, smoke testing, manhole and private property inspections will be completed. Data delivery to MSD will be completed and the consultant will submit a Final SSES report to MSD by December 30, 2010. Any potential I&I reduction determined from the SSES report results and any completed remediation will be monitored and included in the final design evaluation for this project. All phases of the project will be completed by December 31, 2016, in accordance with the IOAP schedule and the Amended Consent Decree.
- Floydsburg Road Pump Station I&I Investigation and Rehabilitation (Budget ID H09172) – Please see the above Meadow Stream Pump Station In-line Storage Project for more details on the Meadow Stream SSES project. This pump station is in the Meadow Stream Pump Station service area. Any potential I&I reduction determined from the SSES report and any completed remediation will be monitored and included in the final design evaluation of this project. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- Kavanaugh Road Pump Station Improvements Project (Budget ID H09171) – Please see the above Meadow Stream Pump Station In-line Storage Project for more details on the Meadow Stream SSES project. The Kavanaugh Road pump station is in the Meadow Stream Pump Station service area. Any potential I&I reduction determined from the SSES report and any completed remediation will be monitored and included in the final design evaluation of this project. All phases of the project will be completed by December 31, 2024, 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 addressed overflows at Ashburton and Olde Copper Court Pump Stations by diverting flow from Ashburton PS through 475 linear feet of upsized force main to a gravity sewer system in a neighboring subdivision. Draw-down testing indicated that pump condition and air 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 was accelerated from what is shown in the Final SSDP. A new 3-inch diameter force main was installed in place of the existing 2-inch diameter force main. MSD Contract No. 2009-073 was advertised on July 21, 2009, bid on August 5, 2009, and a notice-to-proceed was issued on August 31, 2009. Construction was substantially completed on December 30, 2009, with a certification letter dated January 22, 2010. All phases of the project were completed in advance of December 31, 2021, in accordance with the IOAP schedule and the Amended Consent Decree.
- Eden Care Pump Station SSO Investigations (Budget ID H09170) – During FY10, SSES planning for this area was completed. An engineering consultant was selected and negotiations were completed with Board award date of February 22, 2010. A notice-to-proceed was issued on April 22, 2010. An open house public meeting was held on May 4, 2010. Field activities completed as of June 30, 2010, include: 448 linear feet of smoke testing, 26 manhole inspections, and three private property inspections. During FY11, CCTV, smoke testing, manhole and private property inspections will be completed. Data delivery to MSD will be completed and the consultant will submit a Final SSES report to MSD by December 30, 2010. Any potential I&I reduction determined from the SSES report results and any completed remediation will be monitored and included in the final design evaluation of this project. All phases of the project will be completed by December 31, 2012, in accordance with the IOAP schedule and the Amended Consent Decree.
- Woodland Hills Pump Station Diversion (Budget ID H09169) - This project consisted of installing a diversion pipe to allow dry weather flow to drain to an interceptor. The pump station will be used only during wet weather flow. This project was completed on March 4, 2010. The project was certified by letter dated April 2, 2010. All phases of the project were completed prior to the deadline of June 30, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.

Jeffersontown Area

- Raintree and Marian Court Phase 1 - Pump Station Eliminations (Budget ID H09180) – During FY10, it was proposed that both these pump stations be eliminated by a private development project. Design would include 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 have been placed on hold by the developer due to current economic conditions. MSD will monitor the developer's progress, and will self-perform this project if needed to ensure that all phases of this project will be completed in advance of the December 31, 2021, date in the IOAP schedule and the Amended Consent Decree.

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- Jeffersontown WQTC Elimination (Budget ID H07293) – During FY10, the final plan for eliminating blending at the Jeffersontown WQTC was submitted to EPA and KDEP on March 31, 2010. As of June 30, 2010, MSD began the process of selecting and negotiating with several consulting firms to begin design of a new pump station, force main and interceptors to eliminate the WQTC. During FY11, negotiations will be completed and design activities will begin. MSD will also initiate easement and property acquisition activities in calendar year 2011. All phases of the project will be completed by December 31, 2015, in accordance with the IOAP schedule and the Amended Consent Decree.

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. Property for the basin was purchased on August 27, 2009, and Phase II Environmental Assessment has been completed. MSD completed negotiations for design services and issued a notice-to-proceed on March 10, 2010. Design was 30% complete by June 30, 2010. During FY11, design is scheduled to be completed. Project bidding and initiation of construction activities are scheduled to begin in calendar year 2011. The project will be completed by December 31, 2013, in accordance with the IOAP schedule and the Amended Consent Decree.
- Hurstbourne I&I Investigation and Rehabilitation (Budget ID H09219) - Review of the Lower Middle Fork Interceptor ICA Phase 2 data was completed and rehabilitation recommendations have been made. Work on the asset management rehabilitation tool continues. This tool is being used to review inspection data, prioritize rehabilitation work, and prepare bid documents with cost estimates. The tool was used to create construction drawings, a construction estimate and SCAP credits for the recommended rehabilitation for the area. This work was completed by June 30, 2010. During FY11, MSD will continue the development of the asset management rehabilitation tool and bid documents for this project will be completed. 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) – During FY10, the planning for this project was completed. The rehabilitation tool, discussed above, was used to develop draft rehabilitation recommendations and construction documents. Using the tool, final recommendations were developed for minor point repair, root cutting and heavy cleaning of the interceptor. MSD is reviewing the recommendations for potentially completing the work in-house with an annual contractor. During FY11, MSD will finalize work to be completed under an existing annual contract. Remaining work will be bid by October 30, 2010. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.

- Parkview Estates I&I Investigation & Rehabilitation (Budget ID H09198) - During FY10, SSES planning was completed. During FY11, MSD will complete a condition assessment of the pump station site to determine if a rehabilitation project is needed to improve pump station performance. MSD will also finalize a schedule to have the system sewer lines inspected and, if needed, rehabilitation will be completed as part of the FY11 Continuing Sewer System Assessment (CSSA) Program. Any potential I&I reduction determined from the SSES project results and any completed remediation will be monitored and included in the final design evaluation of this project. All phases of the project will be completed by June 30, 2011, 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 FY10, MSD continued this project under a joint effort with Louisville Metro Public Works. This project will be constructed under a Metro Public Works Contract. The project includes the construction of an interceptor, elimination of the Cooper Chapel Pump Station, and construction of collector sewers for un-sewered properties in the area. This project is in the easement acquisition stage with approximately 85% of the easement acquired as of June 30, 2010. Since the last reporting period, Metro Public Works has delayed its construction schedule for the road project. Despite the road project delay, all phases of the project are targeted to be completed 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 Avanti Way Pump Station flows from the Derek R. Guthrie WQTC to the Cedar Creek WQTC for treatment. Decommissioning of the pump station is also included in this project. During FY10, in response to maintenance issues with this pump station, the project was accelerated to avoid a costly rehabilitation of the facility planned to eventually be eliminated. Project was substantially complete with the flow diverted on July 10, 2009. All phases of the project are complete. This project was certified on July 28, 2009. The project was completed prior to December 31, 2010, 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. During FY10, 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. Design was completed in-house and MSD has initiated easement acquisition activities as of June 30, 2010. During FY11, bidding and construction activities will be initiated pending completion of easement acquisition. All phases of the project are targeted to be completed in advance of December 31, 2024, in accordance with the IOAP schedule and the Amended Consent Decree.

- Lantana Pump Station Investigation and Rehabilitation (Budget ID H09193) – During FY10, SSES planning for this area was completed. This project will be completed under the Lea Ann Way SSES project (see Lea Ann Way System Improvements Project). An engineering consultant was selected, negotiations were completed and a notice-to-proceed was issued by January 4, 2010. An open house public meeting was held on February 8, 2010. The contractor has completed all field inspection as of June 30, 2010. This includes 15 manhole inspections, 3,655 linear feet of CCTV inspection, 36 private property inspections, and smoke testing of 3,655 linear feet of sanitary sewer. During FY11, data delivery to MSD will be completed and the consultant will submit a final SSES report to MSD by August 30, 2010. Any potential I&I reduction determined from the SSES report results and any completed remediation will be monitored and included in the final design evaluation for this project. All phases of the project will be completed by December 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.
- Edsel Pump Station I&I Investigation and Rehabilitation (Budget ID H09197) – During FY10, SSES planning for this area was completed. This project will be completed with the Little Cedar Creek SSES project (see above Little Cedar Creek Interceptor Improvements Project). Any potential I&I reduction determined from the SSES project results and any completed remediation will be monitored and included in the final design evaluation of this project. All phases of the project will be completed by September 30, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.
- Lea Ann Way System Improvements (Budget ID C08433) – During FY10, SSES planning for this area was completed and the Lea Ann Way SSES project (Budget ID H09096) scope was finalized. Also during this period, a work order was negotiated and executed on August 21, 2009, for Interceptor Condition Assessment (ICA) services for 28,788 LF of 15 to 30-inch diameter interceptor lines in the Lea Ann Way service area with an engineering consultant. The ICA contractor completed all of the field TISCIT inspections during September 2009, and submitted their final report in December 2009.

Due to the large size of the area, over 680,000 linear feet, the SSES project was divided into two areas, East and West.

Lea Ann Way West SSES - An engineering consultant was selected, negotiations were completed and a notice-to-proceed for the West section was issued by January 4, 2010. Field activities completed as of June 30, 2010, include 1,202 manhole inspections, 259,466 linear feet of CCTV inspection, 196,029 linear feet of smoke testing, 91 private property inspections and one wet weather inspection. During FY11, CCTV, manhole, smoke testing, wet weather and private property inspections will be completed. Data delivery to MSD will be completed and the consultant will start analyzing the collected data to develop rehabilitation recommendations. A Final SSES report will be submitted to MSD by December 30, 2010.

Lea Ann Way East SSES - An engineering consultant was selected, negotiations were completed and a notice-to-proceed for the East section was issued by January 11, 2010. Field activities completed as of June 30, 2010, include 1,075 manhole inspections, 275,400 linear feet of CCTV inspection, smoke testing of 364,844 linear feet of sanitary sewer and three wet weather inspections. During FY11, CCTV, manhole and private

property inspections will be completed. Data delivery to MSD will be completed and the consultant will start analyzing the collected data to develop rehabilitation recommendations. A Final SSES report will be submitted to MSD by December 30, 2010.

Any potential I&I reduction determined from the SSES report results and any completed remediation will be monitored and included in the final design evaluation for this project. All phases of the project will be completed by December 31, 2015, 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 project consists of constructing a new 3 MGD pump station and force main upgrades to replace the existing Mellwood Pump Station. The pump station lies in the Ohio River Floodplain, thus requires significant flood proofing considerations. 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. During FY10, final design was completed and MSD began the property acquisition phase for the pump station site. During FY11, property acquisition is expected to be completed and, upon completion of acquisition, bidding and construction activities will begin. All phases of the project will be completed by December 31, 2012, in accordance with the IOAP schedule and the Amended Consent Decree.
- Prospect #1 - WQTC Elimination (Budget ID's multiple) – A plan to eliminate the five WQTC's serving the Prospect area was approved by EPA and KDEP on September 24, 2009. 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 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 WQTCs to the proposed pump station (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.

During FY10, notice-to-proceed was issued on July 10, 2009, for the preliminary design of the proposed regional Harrods Creek Pump Station to finalize the needed infrastructure and determine the necessary capacity for the elimination of Prospect WQTCs. The preliminary design study for the alternate alignments was completed November 30, 2009. Final design will determine the need for easements based on the final alignment of the Harrods Creek Interceptor and force main. As of June 30, 2010, design had continued on the collector interceptors, the site for the regional pump station was selected, and MSD entered into negotiations for purchase of the pump station site. Easement plats had been completed for the River Road Interceptor and appraisals are in progress.

The River Road Interceptor was scheduled for bid in the spring of 2010 but easement acquisition and bidding was delayed due to environmental concerns by US Fish & Wildlife (USF&W) over the potential for Running Buffalo Clover to be present at the site. USF&W requested a field survey by letter dated October 15, 2009, to determine if the species is present. The survey was conducted between mid-April through the end of June, 2010, during the flowering season. Buffalo clover has been determined not to be present. The alignment will not be changed. Therefore, easement acquisition can proceed.

During FY11, final design of the River Road Interceptor will continue and easement acquisition will begin. All phases of the project will be completed by December 31, 2015, in accordance with the IOAP schedule, approved elimination plan, and the Amended Consent Decree.

- Derington Court Pump Station I&I Investigation and Rehabilitation (Budget ID H09091) - During FY10, SSES planning was completed. During FY11, MSD will complete a condition assessment of the pump station site to determine if a rehabilitation project is needed to improve pump station performance. MSD will also finalize a schedule to have the system sewer lines inspected and, if needed, rehabilitation will be completed as part of the FY11 CSSA Program. Any potential I&I reduction determined from the SSES project results and any completed remediation will be monitored and included in the final design evaluation of this project. All phases of the project will be completed by March 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.
- Leland Road SSO Investigation (Budget ID H09189) - During FY11, MSD will begin the planning of a SSES project for this area. Any potential I&I reduction determined from the SSES project results and any completed remediation will be monitored and included in the final design evaluation of this project. All phases of the project will be completed by December 31, 2012, 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, as well as increasing the size of the existing pumps and force main. During FY10, 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. As of June 30, 2010, design has reached the 100% stage and easement acquisition is now complete. To address observed peak wet weather flows at the pump station, an SSES project was created. An engineering consultant was selected to perform the SSES services and a notice-to-proceed was issued on May 14, 2010. An open house public meeting was held on May 24, 2010. Field activities completed as of June 30, 2010, include: 13,060 (100%) linear feet of smoke testing, 13,060 (100%) linear feet of CCTV inspections and 2 private property inspections. During FY11, for the pump station relocation project, MSD will complete all bidding activities and construction activities will begin. For the SSES project, manhole, smoke testing, wet weather and private property inspections will be completed. Data delivery to

MSD will be completed and the consultant will start analyzing the collected data to develop rehabilitation recommendations. A final SSES report will be submitted to MSD by January 30, 2011. All phases of the project will be completed by December 31, 2021, in accordance with the IOAP schedule and the Amended Consent Decree.

- Shively Interceptor (Budget ID B06208) – This project will eliminate five pump stations within the City of Shively. The project consists of the installation of approximately 19,000 linear feet of interceptor ranging in size from 8-inch to 27-inch diameter. The design is 100% complete and easement acquisition is complete. The project was bid on June 8, 2010, and was awarded for construction on June 28, 2010. During FY11, a public meeting will be held and construction will begin. Construction is scheduled to last 18 months. 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 System Improvements (Budget ID H09288) – During FY10, the planning for this project was completed. A consultant was selected to begin the Camp Taylor SSES Project (Budget ID H09388) and a notice-to-proceed was issued on October 19, 2009, to begin field asset location and condition assessment data collection. Negotiations were completed for the final SSES design services and a notice-to-proceed was issued on January 4, 2010. Two open house public meetings were held, one on November 4, 2009, and the second on March 29, 2010. The SSES contractor has initiated field inspection activities to address observed high wet weather flows and existing SSOs in the project area. Field activities completed as of June 30, 2010, include 558 manhole inspections, 111,403 linear feet of CCTV inspection, 251 private property inspections, and four wet weather inspections. Smoke testing activities have been completed, totaling 144,478 linear feet. During FY11, CCTV, manhole and private property inspections will be completed. Data delivery to MSD will be completed and the consultant will start analyzing the collected data to develop rehabilitation recommendations. A Draft SSES report will be submitted to MSD by December 30, 2010. The Final Report will be completed during the third quarter of FY11. Any potential I&I reduction determined from the SSES report results and any completed remediation will be monitored and included in the final design evaluations for the suite of Camp Taylor IOAP projects. This SSES 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) – During FY10, the planning for this project was initiated. A portion of the condition assessment in this area was performed by the ICA (Interceptor Condition Assessment) Contractor. A work order was negotiated and executed with an engineering consultant on August 21, 2009, for Interceptor Condition Assessment (ICA) field TISCIT inspection services for 12,649 linear feet (LF) of 15 to 27-inch diameter interceptor lines in the Camp Taylor area. The ICA contractor completed remaining field inspections and submitted a final report on January 18, 2010. Initial review of the data revealed approximately 1,500 linear feet of a section of 8-inch to 15-inch diameter sewer was in need of replacement along Lee Avenue.

- Lee Avenue Sewer Replacement (Budget ID A10194) was created and design plans were developed in-house. During FY11, bidding and construction activities will be completed for the replacement project. The remainder of the interceptor and collection lines in the project area will be assessed with the Camp Taylor SSES project recommendations. All phases of the project will be completed by December 31, 2013, in accordance with the IOAP schedule and the Amended Consent Decree.

All phases of the Camp Taylor #2 Sewer Replacement 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) – During FY10, SSES planning for this project was completed. A project area and scope was finalized for an SSES project. An engineering consultant was selected to perform the SSES services and a notice-to-proceed was issued on May 14, 2010. An open house public meeting was held on May 24, 2010. Field activities completed as of June 30, 2010, include: 13,060 (100%) linear feet of smoke testing, 13,060 (100%) linear feet of CCTV inspections and 2 private property inspections. During FY11, manhole, smoke testing, wet weather and private property inspections will be completed. Data delivery to MSD will be completed and the consultant will start analyzing the collected data to develop rehabilitation recommendations. A final SSES report will be submitted to MSD by January 30, 2011. MSD will complete a condition assessment of the pump station site to determine if a rehabilitation project is needed to improve pump station performance. All phases of the project will be completed by June 30, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.
- Hazelwood Pump Station I&I Investigation and Rehabilitation (Budget ID H09181) - During FY10, SSES planning for this project was completed. A project area and scope was finalized for an SSES project. An engineering consultant was selected to perform the SSES services and a notice-to-proceed was issued on May 14, 2010. An open house public meeting was held on May 24, 2010. Field activities completed as of June 30, 2010, include: 11,431 (100%) linear feet of smoke testing, 9,000 linear feet of CCTV inspections and 3 private property inspections. During FY11, manhole, smoke testing, wet weather and private property inspections will be completed. Data delivery to MSD will be completed and the consultant will start analyzing the collected data to develop rehabilitation recommendations. A Final SSES report will be submitted to MSD by January 30, 2011. MSD will also complete a condition assessment of the pump station site to determine if a rehabilitation project is needed to improve pump station performance. 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 Areas

- Lake Forest Pump Station SSO Investigation (Budget ID H09173) – During FY10, SSES planning for this area was completed. To address observed high wet weather flows and existing SSOs in the project area, the Lake Forest SSES Project (Budget ID H09396) was initiated. An engineering consultant was selected to perform the SSES services and a notice-to-proceed was issued on April 22, 2010. Field activities completed as of June 30, 2010, include: 116,903 linear feet of smoke testing, 532 manhole inspections,

and 68 private property inspections. An open house public meeting was held on May 6, 2010. During FY11, manhole, smoke testing and private property inspections will be completed. Data delivery to MSD will be completed and the consultant will start analyzing the collected data to develop rehabilitation recommendations. A Final SSES report will be submitted to MSD by November 30, 2010. Any potential I&I reduction determined from the SSES project results and any completed remediation will be monitored and included in the final design evaluation of this project. All phases of the project will be completed by December 31, 2012, in accordance with the IOAP schedule and the Amended Consent Decree.

- Riding Ridge PS Improvements (Budget ID H09175) – During FY10, SSES planning for this project was complete. A project area and scope was finalized for an SSES project in this area. The Riding Ridge Pump Station is in the Hunting Creek North WQTC service area. The Prospect Area SSES (H09391) was created and expanded to include the Hunting Creek North and Hunting Creek South WQTC service areas. The SSES project will look for sources of I&I reduction for the following SSDP projects: Riding Ridge PS Improvements (Budget ID H09175), the Gunpowder PS Inline Storage Project (Budget ID H09242), the Fox Harbor Inline Storage Project (Budget ID H09176) and the Fairway View PS Improvements Project (Budget ID H09177). An engineering consultant was selected to perform the SSES services and a notice-to-proceed was issued on February 8, 2010. An open house public meeting was held on February 25, 2010. Field activities completed as of June 30, 2010, include 380 manhole inspections, 9,005 linear feet of CCTV inspection, 242,902 linear feet of smoke testing, 90 private property inspections and three wet weather inspections. The consultant began the QA/QC process for data gathered in preparation for delivery to MSD. During FY11, CCTV, manhole, smoke testing and private property inspections will be completed. Data delivery to MSD will be completed and the consultant will start analyzing the collected data to develop rehabilitation recommendations. A Final SSES report will be submitted to MSD by December 30, 2010. All phases of the project will be completed by December 31, 2014, in accordance with the IOAP schedule and the Amended Consent Decree.
- Gunpowder Pump Station In-line Storage Project (Budget ID H09242) – This project is located in the Prospect SSES area. Please see the above Riding Ridge Pump Station Improvements project information for details. Any potential I&I reduction determined from the SSES project results and any completed remediation will be monitored and included in the final design evaluation of this project. All phases of the project will be completed by December 31, 2021, in accordance with the IOAP schedule and the Amended Consent Decree.
- Fox Harbor In-line Storage Project (Budget ID H09176) – This project is located in the Prospect SSES area. Please see the above Riding Ridge Pump Station Improvements project information for details. Any potential I&I reduction determined from the SSES project results and any completed remediation will be monitored and included in the final design evaluation of this project. All phases of the project will be completed by December 31, 2021, in accordance with the IOAP schedule and the Amended Consent Decree.

- Fairway View Pump Station Improvements Project (Budget ID H09177) - This project is located in the Prospect SSES. Please see the above Riding Ridge Pump Station Improvements project information for details. Any potential I&I reduction determined from the SSES project results and any completed remediation will be monitored and included in the final design evaluation of this project. All phases of the project will be completed by December 31, 2014, in accordance with the IOAP schedule and the Amended Consent Decree.

Other Projects

- For CPE/CCP modification projects refer to **Section 6.5: Comprehensive Performance Evaluations and Composite Correction Plans**

3.3 CSO Long Term Control Plan

The CSO Long Term Control Plan (LTCP) addresses 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.

3.3.1 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.

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. All projects associated with this plan have been completed.

3.3.2 Final CSO Long Term Control Plan

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. 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 following activities were performed during FY10 or are planned for FY11.

3.3.2.1 Green Demonstration Projects

- MSD Main Office Parking Lot Bioswale (Budget ID H09424) – During FY10, planning for this project was completed. Monitoring equipment was Board approved and site analysis was completed to determine the placement of flow meters for performance assessment of the installed green pre-construction monitoring. Three types of Best Management Practices (BMPs) have been installed on the MSD site. Pervious concrete has been installed in the main parking lot and pavers in the front of the building along Liberty Street. A bioswale/rain garden has been installed along the north-east corner of the property. Half of the building's roof drains have been disconnected from the combined sewer system and redirected to the bio-swale/rain garden. These BMPs will

be monitored and additional BMPs may be installed based on the flow monitoring data. During the first quarter of FY11, the site will be monitored to determine the effectiveness of all installed BMPs on site. If the monitoring determines additional BMPs are required to certify this site as a demonstration project, MSD will complete installation of additional BMPs during the second quarter of FY11. 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) – During FY10, preliminary design for this project was initiated in January 2010 with a site survey and soil borings being performed and analyzed. 50% design drawings were prepared and reviewed. Sewer flow meters were installed downstream of the project area for pre-construction monitoring. MSD held introductory meetings with the property owners to discuss green opportunities. Site analysis for sewer flow monitoring equipment was completed and equipment was installed in March 2010, downstream of the project site for performance assessment of the green technologies that will be used. Geotechnical analysis and a topographic survey were completed. During FY11, design, bidding and construction activities will be completed. 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) – During FY10, planning for this project was completed and design began prior to June 30, 2010. Introductory meetings have been held with Louisville Metro personnel to discuss green opportunities. Monitoring equipment was Board approved and site analysis was initiated to determine the placement of flow meters for performance assessment of the installed green technologies. Flow meters were installed downstream of the project area for pre-construction monitoring. During FY11, design, bidding and construction activities will be completed. 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) – During FY10, planning for this project was underway and the site was determined to be unfavorable. MSD held meetings with Louisville Metro personnel to discuss green opportunities and to select an alternate site. During FY11, a new site will be selected and final design, bidding and construction activities will be completed. Once a new site is selected, site analysis will be initiated to determine the placement of flow meters for performance assessment of the installed green technologies. 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 Martin Luther King (MLK) (Previously listed as Sixth and Muhammad Ali) (Budget ID H09428) – During FY10, preliminary design for this project was initiated. Introductory meetings have been held with the property owners to discuss green opportunities. Monitoring equipment has been Board approved and site analysis was initiated to determine the placement of flow meters for performance assessment of the installed green technologies. Geotechnical analysis and topographic survey was completed prior to June 30, 2010. A revised concept plan was developed to install a bioswale, pervious pavers, and to re-route drainage in the parking lot. Concepts for

installation of tree planters to collect storm water runoff from Broadway were also proposed. A Memorandum of Understanding (MOU) to allow MSD contractors to perform work on the General Services Administration (GSA) property was finalized. Sewer flow meters were installed downstream of the project area for pre-construction monitoring. During FY11, design, bidding and construction activities will be completed. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.

- Housing Authority Green Roof at 801 Vine Street (Formerly Sixth and Broadway Rain Garden) (Budget ID H09429) – During FY10, preliminary design for this project was initiated and introductory meetings were held with the Courier Journal to discuss green opportunities. The Courier Journal declined participation with MSD on the green parking lot and rain garden. The project was modified to demonstrate the effectiveness of a green roof at 801 Vine Street. Design was completed for the green roof project. During FY11, monitors for water quantity and ancillary benefits will be installed and the bidding phase for construction of the project will be completed. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- W. Gaulbert and W. Hill (formerly Seventeenth and W Hill) Permeable Alley (Budget ID H09430) – During FY10, planning for this project was underway and the site was determined to be unfavorable. MSD held meetings with Louisville Metro personnel to discuss green opportunities and to select an alternate site. A new site has been selected and during the first half of FY11, bidding and construction activities will be completed. A site analysis will be initiated to determine the placement of flow meters for performance assessment of the installed green technologies. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- 2300 Block of Congress Street (formerly Seventh and Market) Permeable Alley (Budget ID H09431) – During FY10, planning for this project was initiated. A high rise building is currently under construction at this location and the alley is being used for construction staging; therefore, another site has been selected at the 2300 block of Congress Street. During the first half of FY11, bidding and construction of the project will be completed. A site analysis will be initiated to determine the placement of flow meters for performance assessment of the installed green technologies. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree
- Billy Goat Strut (formerly the Campbell and Main) Permeable Alley (Budget ID H09432) – During FY10, planning for this project was completed and design began prior to June 30, 2010. Introductory meetings were held with the Louisville Metro personnel to discuss green opportunities. Monitoring equipment was Board approved and site analysis was initiated to determine the placement of flow meters for performance assessment of the installed green technologies. The project was renamed the Billy Goat Strut Alley Project. The project was bid on June 30, 2010. During FY11, construction is scheduled to be complete by August 30, 2010. Paver blocks will be used for the resurfacing. Only a section of the alley was included in the project due to the location of

a sanitary sewer already in the alley. All phases of the project will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.

- Swift Company (formerly Fourth Street Green Street) Green Project (Budget ID H09433) – During FY10, MSD relocated the project to allow for greater public visibility. Planning for this project was initiated and design began prior to June 30, 2010. Monitoring equipment was Board approved and site analysis was initiated to determine the placement of flow meters for performance assessment of the installed green technologies. During FY11, design, bidding and construction activities will be completed. The project will consist of a bio-infiltration swale for the companies parking facilities and miscellaneous sidewalk rain gardens. 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) – During FY10, MSD selected locations of rain gardens for Christ the King Church and Clifton Triangle Area. Preliminary design for these projects were initiated in March 2010. Introductory meetings were held with the property owners to discuss green opportunities. Monitoring equipment was Board approved and site analysis has been initiated to determine the placement of flow meters for performance assessment of the installed green technologies. Geotechnical analysis and topographic survey has been completed. During FY11, design, bidding and construction activities will be completed. All phases of these projects will be completed by December 31, 2010, in accordance with the IOAP schedule and the Amended Consent Decree.
- I-264 Off-Ramp Dry Well (Budget ID H09442) – During FY11, design will start contingent on coordination with EPA Region 4 regarding permitting requirements. All phases of these projects will be completed by December 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.
- I-264 On-Ramp Dry Well (Budget ID H09443) - During FY11, design will start contingent on coordination with EPA Region 4 regarding permitting requirements. All phases of these projects will be completed by December 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.
- I-264 and Gibson Dry Well (Budget ID H09444) - During FY11, design will start contingent on coordination with EPA Region 4 regarding permitting requirements. All phases of these projects will be completed by December 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.
- Russell Lee Drive Dry Well (Budget ID H09445) - During FY11, design will start contingent on coordination with EPA Region 4 regarding permitting requirements. All phases of these projects will be completed by December 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.
- JFK Montessori Area Dry Well (Budget ID H09446) - During FY11, design will start contingent on coordination with EPA Region 4 regarding permitting requirements. All

phases of these projects will be completed by December 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.

- Remaining Two (2) Additional Rain Garden Projects – During FY11, MSD will begin the planning and design phases of these projects. These are two remaining, unnamed Green Demonstration Project commitments listed in the IOAP. All phases of these projects will be completed by December 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.

3.3.2.2 Gray Infrastructure Projects

- Logan Street Basin (Budget ID H09142) – This project consists of an 11.83 MG underground storage basin, and approximately 5,000 linear feet of new interceptor sewers. During FY10, MSD continued a preliminary design study to evaluate available/alternative technologies and establish design protocols for the other 12 CSO basin designs. This study will provide a design of the basin to a 30% stage. Alternatives for the basin site and the CSO interceptor alignment have been investigated. Draft Phase I Environmental Site Assessment, historical and archaeological review, and permit requirements, were completed. A Phase II Environmental Site Assessment is in progress. The acquisition of the property for the basin is in negotiations. The preferred alignment of the interceptor has been selected and the final design services are in negotiations. During FY11, negotiations for final design service will be completed with a notice-to-proceed expected to be issued by November 30, 2010. The Phase II Environmental Site Assessment will be completed. Property Acquisition will continue for the basin site. It is anticipated that negotiations should be complete by the end of the 2010 calendar year. The need for easements associated with the interceptor will not be known until the design is at a 60% stage. 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) – During FY10, MSD finalized the project design prior to May 20, 2010. Project was bid on May 25, 2010, with Board approval on June 14, 2010. A notice-to-proceed was issued for the project on June 14, 2010. During FY11, MSD will complete construction activities. 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) – During FY10, MSD initiated the project for private property owners to be reimbursed for downspout disconnection in the CSO206 area. Two open house meetings with homeowners to discuss options for the downspout disconnections were held on June 8, 2010, and June 10, 2010. During FY11, inspections and dye tests for property owners expressing an interest in participation of the program will begin. 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) – During FY10, planning was completed and design negotiations were finalized for a 10% design. The 10% design will answer several questions to allow for a final design scope to be prepared.

During FY11, a notice-to-proceed for the 10% design will be issued on July 31, 2010. The expected completion of the 10% design is November 30, 2010. Final design will follow and is expected to be completed by the end of 2011. The 10% design will determine the scope for the final design with a selection of the several alignment options for the interceptor sewers entering and exiting the basin, as well as the exact basin location. The design parameters for the drainage alternative for the basin, gravity or pumped, will also be finalized. 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) – During FY10, MSD selected a design firm to prepare a project definition and a schematic design for this proposed facility. Prior to June 30, 2010, MSD executed the work order with the design consultant to provide the project definition and schematic design for this project. MSD and the design consultant met with representatives from the USACE, and two adjacent property owners to explore site access alternatives. In addition, MSD met with representatives of the KDEP staff regarding the scope of this project and potential permitting conditions. MSD also presented preliminary information to a neighborhood group Rubbertown Community Advisory Council regarding this upcoming project. During FY11, MSD expects to make a final selection for the plant site based on cost comparisons that include considerations for accessing the property along with completing the characterization of the expected plant influent, and a site historical and ecological survey. In addition, a route for the biosolids force main between the proposed facility and the Morris Forman WQTC will be identified. All phases of the project will be completed by December 31, 2014, in accordance with the IOAP schedule and the Amended Consent Decree.
- Adams Street Storage Basin (Budget ID H09135) – During FY10, planning was completed and design negotiations were initiated for this project to reduce overflows from CSO172. During FY11, final negotiations for 10% design will be completed and a notice-to-proceed initiated. Project includes a 0.12 MG storage basin. The expected start of the 10% design is December 30, 2010. This preliminary design will determine the scope for final design. Final design is expected to be complete April, 2011. All phases of the project are scheduled to be complete by December 31, 2012, in accordance with the Amended Consent Decree.
- Story Avenue & Main Street Storage Basin (Budget ID H09127) – During FY10, planning was completed and design negotiations were initiated for this project to reduce overflows from CSO020. Project includes a 0.13 MG storage basin. During FY11, final negotiations for 10% design will be completed and a notice-to-proceed initiated. The expected start of the 10% design is December 30, 2010. The 10% design will determine the scope of work and selected alternative for final design. Final design is expected to be complete in 2011. All phases of the project are scheduled to be complete by December 31, 2013, in accordance with the Amended Consent Decree.
- CSO123 Downspout Disconnection (Budget ID I04247) – During FY11, MSD will begin the planning phase of this project. All phases of the project will be completed by December 31, 2012, in accordance with the IOAP schedule and the Amended Consent Decree.

- CSO058 Sewer Separation (Budget ID H09130) – During FY11, MSD will begin the planning phase of this project. All phases of the project will be completed by December 31, 2014, in accordance with the IOAP schedule and the Amended Consent Decree.
- CSO140 Sewer Separation (Budget ID H09122) - During FY11, MSD will begin the planning phase of this project. All phases of the project will be completed by December 31, 2015, in accordance with the IOAP schedule and the Amended Consent Decree.

Flood Pump Station Projects

- 34th Street Flood Pump Station DWO Elimination (Budget ID H08478) – During FY10, a final design contract was awarded on July 11, 2009, for the gate automation modifications for the 34th Street Flood Pump Station. The design notice-to-proceed was issued on July 20, 2009. MSD received 50% design on November 30, 2009, followed by submittal of the 80% design documents on February 18, 2010. After review, MSD requested additional electrical and controls improvements to be added to the project. The project scope was amended to include the electrical and controls modifications, and revised 80% drawings were received June 11, 2010. During FY11, 95% and 100% final design documents will be received. Planning will also begin to complete bidding and initiate construction activities. All phases of the project will be completed by December 31, 2012, in accordance with the IOAP schedule and the Amended Consent Decree.
- 4th Street Flood Pump Station DWO Elimination (Budget ID H08477) – During FY10, a final design contract was awarded on July 11, 2009, for the gate automation modifications for the 4th Street Flood Pump Station. The design notice-to-proceed was issued on July 20, 2009. MSD received 50% design on October 30, 2009, followed by submittal of the 80% design documents on February 18, 2010. After review, MSD requested additional improvements to be added to the project. Staff requested to have actuators added to Gate 32. This will allow de-watering of the facility by using the existing sanitary wet well and eliminate trapped water dry weather overflows. Revised 80% drawings were received May 31, 2010, and 95% drawings and bid documents were received June 21, 2010. During FY11, 100% final design documents will be received. Planning will also begin to complete bidding and initiate construction activities. All phases of the project will be completed by December 31, 2012, in accordance with the IOAP schedule and the Amended Consent Decree.
- 27th Street Flood Pump Station DWO Elimination (Budget ID H09126) – During FY10, MSD completed planning for this project and a contract for final design services was awarded on January 25, 2010. This project is being designed by the same engineering consultant working on the 4th and 34th Street Flood Pump Station DWO Elimination Projects. During FY11, a notice-to-proceed will be issued to begin final design and planning will begin to initiate bidding activities. All phases of the project will be completed by June 30, 2013, in accordance with the IOAP schedule and the Amended Consent Decree.
- Shawnee Flood Pump Station DWO Elimination (Budget ID H09136) – During FY10, MSD completed planning for this project and a contract for final design services was awarded on January 25, 2010. This project is being designed by the same engineering consultant working on the 4th and 34th Street Flood Pump Station DWO Elimination

Projects. During FY11, a notice-to-proceed will be issued to begin final design and planning will begin to initiate bidding activities. All phases of the project will be completed by June 30, 2013, in accordance with the IOAP schedule and the Amended Consent Decree.

3.4 Post Construction Compliance Monitoring Program

Within the Integrated Overflow Abatement Plan, monitoring efforts that will support the impact evaluation of the plan implementation are discussed in Volume 1, Section 6.5 Post Construction Compliance Monitoring. These efforts will be incorporated into MSD's overall system and environmental data management planning and activities, which support various MSD initiatives including operational support, the Municipal Separate Storm Sewer System (MS4) program, hydraulic and water quality modeling, and a range of regulatory reporting and trending requirements as well as overflow abatement impact analyses related to the IOAP.

The following is a brief discussion of activities completed during FY10 and activities planned for FY11 related to each element:

- Environmental Data Integration Site Development - Defined the integrated site needs and the concept of centralizing the access to its numerous monitoring data sets – rainfall, sewer flow, stream data, plant information data from SCADA, etc. Executed a contract and work order for a proposal for the development of this site. MSD has continued to improve the overall accessibility of data reported from its SCADA and LIMS systems for pump station, Real Time Control and laboratory information as well as standardize various environmental data sets in preparation for integrated data querying and display through an upcoming data site. Tasks to implement the site will begin prior to September 30, 2010.
- Quality Assurance and Quality Control Definition and Implementation – Refined the standard QA/QC procedures for various environmental data sets and set a frequency for data review – rainfall, stream flow, sewer flow, water quality, etc. In addition, proactive data notification processes are currently in place at sewer flow meter sites which allow the real-time data sets to notify MSD staff when certain conditions are recorded in the field. MSD executed a contract that will formally establish and document proper quality control measures to be used on MSD's data. The development of these measures will be approximately 50% complete by September 30, 2010.
- Green Demonstration Project & Programmatic Monitoring and Assessment - Identified the green demonstration projects as part of the IOAP and will perform case studies on the effectiveness of these projects on storm water reduction into the combined sewer. MSD identified equipment needs for each project and developed an installation plan and timeline for each that will capture the data needed to perform the case study during December 2009. For project sites that have been finalized, monitoring locations have been identified and equipment has been installed for the demonstration project as well as project control sites. After initial review, a few sites have been determined as unsuitable for green project sites. Alternative sites will be selected prior to October 30, 2010. See Section 3.3.2.1 Green Demonstration Projects for further details. Additional watershed monitoring needs have also been defined along with equipment needs.

Planning for additional site installations and procurement of additional monitoring equipment will occur during FY11.

- Sewer Hydraulic and Stream Water Quality Modeling for Impact Analyses – Executed work orders for sewer modeling services to address model cleanup, further standardization, calibration and integration. The models were reorganized to simplify use and recalibration efforts began. MSD will initiate recalibration of the models and quality assurance measures during FY11.
- Water Quality Sampling for IOAP Projects and the Long Term Monitoring Network – Recreational contact sampling will continue throughout this same network 5 times per month during the recreational contact season. Consultant contracts to provide continued dry and wet weather sampling around the Big 4 SSO project areas have been executed. Prior to September 30, 2010, MSD will confirm a specific timeline for wet weather sampling across the Long Term Monitoring Network as noted in the IOAP.
- Sewer Flow Monitoring Network Expansion – Sewer flow monitoring network was maintained and site notifications were enhanced in MSD's Telog Enterprise system. Additional monitoring needs for inflow and infiltration reduction assessment were identified and a board package to acquire this equipment will be developed prior to November 30, 2010.
- Stream Flow & Ambient Monitoring – Continued MSD's partnership with the USGS with an annual cost and resource share for the maintenance of stream flow gauges and data sondes that are installed at the Long Term Monitoring Network locations. This data is reported by telemetry to the USGS public website as well as MSD's internal Conrail website. These monitoring efforts will continue through FY11.
- Rain Gauge and Radar Rainfall Data Collection – Continued to operate an established rain gauge network of 17 gauges that report data every 5 minutes through telemetry. In addition, MSD receives 4-hour predictive and real time radar rainfall data from a vendor across approximately 700, 1-square kilometer pixels that cover the county. The vendor also delivers a gauge-adjusted radar rainfall data set at the end of each month. This data is used to support operational decisions as rain events are approaching and are occurring. The Real Time Control system also utilizes the rainfall data to run simulations and develop set points for control sites throughout the combined sewer system. The radar rainfall is also used for modeling simulations that support various planning and design decisions. The radar rainfall data along with rain gauge and stream monitor information is served to users through an internet application.
- Fish, Algae, Macroinvertebrate and Habitat Surveys – Completed fish, macroinvertebrate and habitat surveys for the Long Term Monitoring Network in December 2009 as part of the every-other-year schedule identified in the IOAP. MSD is currently working to complete an ecological database to house this information as it is collected in order to keep a cleaner historical record of this complex information. This effort will continue through FY11 along with contract negotiations with the University of Louisville to complete an algae analysis for collected data.

3.5 Green Program Development

The Green Program framework was submitted as part of the IOAP. The following activities were performed during FY10 or are planned for FY11.

- Initiated 12 of the 19 green infrastructure demonstration projects as described in the IOAP, with completion dates ranging from December 31, 2010, to December 31, 2011.
- Completed internal discussions and developed working documents for several programmatic elements, including the financial incentives program for government and private (commercial and residential) partners, public information, outreach and education, project identification, prioritization and implementation, etc. These working documents will continue to develop and will be modified as needed with information and lessons learned as green projects are implemented.
- Developed the plan for the green infrastructure effectiveness monitoring for the 19 demonstration projects. The preconstruction monitoring equipment was purchased and has been installed for the demonstration projects that are under design. Data will be utilized to document the efficacy of the demonstration technologies for “right-sizing” of gray IOAP projects.
- Initiated meetings with internal staff to discuss partnership opportunities and potential green projects.
- Initiated development of design guidance documents for green infrastructure including the MSD BMP manual, and a work plan to update appropriate MSD design documents. These documents will be completed during the next reporting period.
- Initiated development of a green infrastructure tracking program followed by an inspection program for those green assets constructed by MSD, its partners, and private residents; specifically inspect those assets that are being used in impervious area reductions and CSO reduction and project sizing calculations. During FY11, as green infrastructure projects are implemented, the efficacy of the tracking and inspection program will be reviewed and modified as needed.
- Initiated a review of the existing Louisville Metro Land Development Code to identify potential impediments to green infrastructure implementation, and also began to identify proactive measures that could facilitate institutionalizing green practice in typical developments. A plan to present recommended suggested Land Development Code changes to Louisville Metro government for consideration will be developed during FY11.
- Developed and submitted a grant application for State of Kentucky funding of Green Infrastructure projects as part of the Louisville MSD program. MSD will await the results of the grant submittal and will provide updates in future reports.
- Awaiting the results of the grant submittal for State of Kentucky funding of Green Infrastructure projects. Updates will be provided in future reports.
- Initiated discussions with the EPA Office of Research and Development on the possibility of collaborative performance monitoring for the impacts of green infrastructure from a project level to a basin level. MSD began development of a scope to complete this task and anticipates receiving a proposal prior to December 31, 2010.

3.6 Green Program Miscellaneous Projects

The following projects are a continuation of the Green Program IOAP commitments to continue to implement and complete green projects until December 31, 2020. These projects are in addition to the 19 Green Demonstration projects. The following projects were active during this reporting period.

- Warren and Cliff Permeable Alley (Budget ID C10184) – During FY10, this project was added to the original list of green alley projects due to its suitability for improvements. The project was bid on June 9, 2010, and awarded on June 28, 2010. During FY11, construction is anticipated to be completed by August 30, 2010. Construction includes undercutting the alley, back filling with #3 stone, and installing paver blocks for the final surface restoration.
- Forrest and Morgan Permeable Alley (Budget ID C09110) - During FY10, this project was added to the original list of green alley projects due to its suitability for improvements. The project was bid on June 30, 2010. During FY11, construction is anticipated to be completed by August 30, 2010. Construction includes undercutting the alley, back filling with #3 stone, and installing paver blocks for the final surface restoration.
- Bardstown Road Presbyterian Church Bioswale (Budget ID H11044) – During FY10, MSD started discussions with the property owner to develop a green project. The project area serves as a church parking lot as well as a weekend Farmers Market. The owners need to repave the parking lot and wanted to partner with MSD to install green solutions on site. During FY11, MSD will complete negotiation for a design contract and issued a notice-to-proceed. The improvements will contain a bio-filtration swale, pervious pavement and pavers for the parking areas. The church will also have their downspouts disconnected from the combined system, directed to cisterns for water harvesting. It is anticipated that the project will be under construction early 2011.
- Kalhert and Lentz Permeable Alley (Budget ID C11110) - During FY11, this project was added to the original list of green alley projects due to its suitability for improvements. FY11, design and construction activities are anticipated to be completed by June 30, 2011. Construction includes undercutting the alley, back filling with #3 stone, and installing paver blocks for the final surface restoration.
- W. Lee and W. Bloom Permeable Alley (Budget ID C11111) - During FY11, this project was added to the original list of green alley projects due to its suitability for improvements. FY11, design and construction activities are anticipated to be completed by June 30, 2011. Construction includes undercutting the alley, back filling with #3 stone, and installing paver blocks for the final surface restoration.

SECTION 4: Public Outreach, Education, Notification and Participation

4.1 Public Notification Program

MSD produced and distributed a number of products aimed at notifying 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 FY10 or are scheduled to occur in FY11.

4.1.1 Overflow Advisory Signs

FY10 Program

- Completed the annual sign inspection process on March 25, 2010. 1206 signs were inspected. 173 signs were replaced, cleaned or repaired.
- Completed follow-up documentation of the annual sign inspection which concluded on March 25, 2010.
- Completed documentation of the 16 additional overflow advisory signs installed in March 2010. New installations were based upon recommendations from the annual evaluation of the sign locations against the documented overflows to ensure that needed signs are in place. New signs have been incorporated into the routes for next year's inspection. Additional signs were placed to provide coverage of areas downstream of overflows, points of public access, and areas in close proximity to recently documented overflows.
- Installed an interpretive signage "What Happens When It Rains" for SORP education at Big Rock, in Cherokee Park on September 30, 2009.
- Worked with the Parks Department to develop 3 additional interpretive signs. These signs were installed at Grinstead Drive and Lexington Road in accordance with the National Parks signage specifications.



Public education campaign on pet waste pickup protocols included in the Courier Journal print edition

FY11 Program

- Install interpretive signage at the MSD rain garden.
- Install interpretive signage at all green demonstration project locations.
- Schedule the annual sign inspection process.

- Perform an annual evaluation of the sign location against the documented overflows to ensure all needed signs are in place.
- Perform an evaluation of damaged/defaced signs to determine if relocation could prevent vandalism.

4.1.2 Electronic Notifications

FY10 Program

- Notified customers who voluntarily sign up to receive email alerts regarding sewer overflows.
- Provided notification on 48 dry weather unauthorized discharges of more than 1000 gallons.
- Continued the process to evaluate the email alert program and messages and develop an action plan to increase participation in the email program, and to improve retention of those who sign up. Investigating the use of “Dean” to broadcast messages to the public.

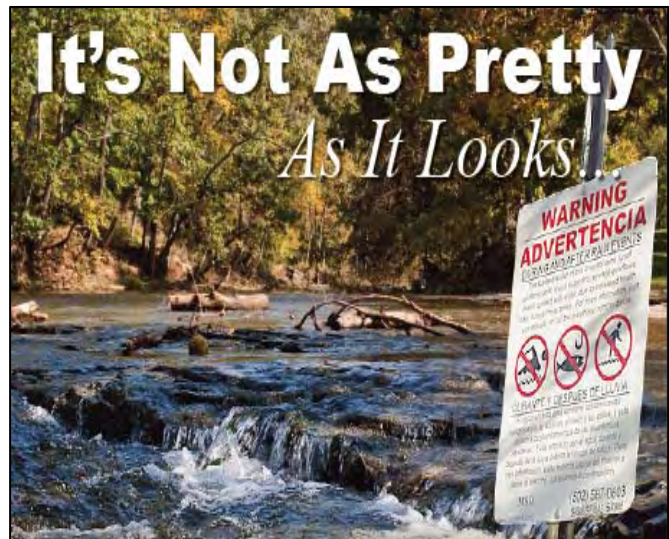
FY11 Program

- Continue email alerts to customers who sign up to receive the information.
- Continue to work with the Dean System to increase participation in the email program, and to improve retention of those who sign up.

4.1.3 Print Notifications

FY10 Program

- Mailed 5864 Project WIN information packets to customers who called with questions about the Amended Consent Decree – specifically regarding overflows, discharges, plumbing modification and the surcharge fee.
- Mailed out 1280 FOG residential public outreach letters to areas that had FOG issues during FY10.
- Developed an informational flyer that provides a general overview and awareness to the public on health impacts associated with sewer overflows. The flyer provides information to encourage water conservation during rain events, and proper grease disposal. This



Public education campaign on minimizing contact with the stream during and after rain events included in the Courier Journal print edition

information was distributed via a 2-page full slick insert in the Sunday April 18, 2010, Courier Journal. This information was published in accordance with the commitment to notify residents prior to the start of the recreational contact season beginning May 1, 2010. A copy of the insert was provided in Project WIN Quarterly Report 19, Appendix I.

- Distributed the annual mailing to residents within 500 feet of Beargrass Creek and Ohio River prior to May 1, 2010. A copy of the letter to residents was provided in Project WIN Quarterly Report 19, Appendix I.
- Distributed a bill insert with Project WIN information to MSD customers with this quarter's billing statements focusing on FOG issues, the recent rate increase and rain gardens. See Project WIN Quarterly Report 19, Appendix I.
- Distributed FOG related information to the general public at the annual Jeffersontown Gaslight Festival on September 18-20, 2009.

FY11 Program

- Partner with the Louisville Courier Journal to create 2-page full slick inserts for public notification in the Sunday paper. This activity is scheduled to occur four times in FY11, with seasonal and stakeholder messages promoted at the appropriate times.
- Continue to mail Project WIN information packets to customers who call with questions about the Amended Consent Decree – specifically regarding overflows, discharges, plumbing modification and the surcharge fee.
- Continue to send out FOG residential public outreach letters to areas that have FOG issues.
- Distribute notification and informational material, providing a general overview and awareness relating to public health impacts associated with sewer overflows and an update of Project WIN initiatives by May 1, 2011.
- Distribute, prior to May 1, 2011, the annual mailing to residents within 500 feet of Beargrass Creek and Ohio River.



Public education campaign on pet waste pickup included in the Courier Journal digital edition

4.2 Public Education Programs

MSD has developed a public education program aimed at expanding the public's knowledge on MSD's primary business functions of wastewater, stormwater and flood protection, with an emphasis on Project WIN Program elements. The following activities occurred within FY10 or are scheduled to occur in FY11.

FY10 Program

- Continued to re-tool public education efforts to address areas of public knowledge requiring additional effort and attention. Planning on modifications to the public education program will be initiated in FY11.
- Performed a survey of customers, as required by the IOAP, prior to December 31, 2009. The results of this survey are posted on the Project WIN website, [http://www.msdlouky.org/projectwin/pdfs/IOAP/IOAP-012810/1300w-Public-Outreach-Study-D2-\(12-15-09\).pdf](http://www.msdlouky.org/projectwin/pdfs/IOAP/IOAP-012810/1300w-Public-Outreach-Study-D2-(12-15-09).pdf) and were included in the Project WIN Quarterly Report 19.

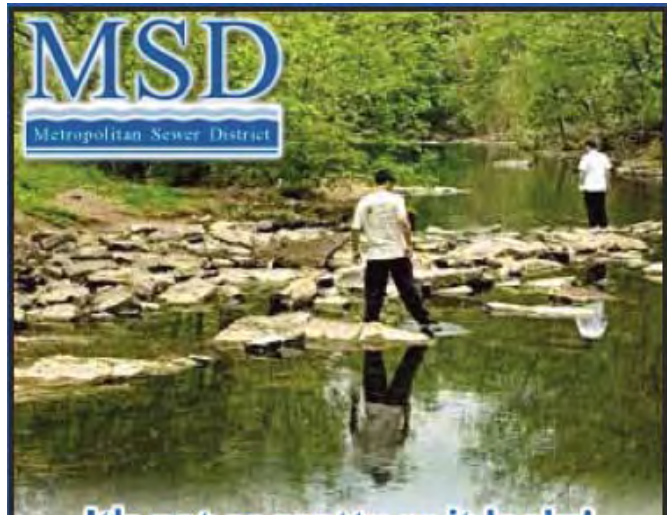
FY11 Program

- Continue to refine public education efforts to address areas of public knowledge requiring additional effort and attention. Planning for modifications to the public education program will be initiated in FY11.

4.2.1 Radio and Television Activities

FY10 Program

- Continued to run TV spots on WLKY TV. The spots during FY10 were focused on flooding issues, FOG, and water recreation. These ads ran 172 times during FY10.
- Continued to show on Metro TV (Channel 25) the **Project WIN 2008 video series** - a series of seven videos to inform the public about MSD, the Consent Decree and Project WIN. During FY10, the video was shown 88 times.
- Continued to run TV spots during the Troubleshooter Show (WAVE TV) on Mondays 10:30 am - 11:00 am. Spots ran once a week through the end of December. The commercial focused on FOG issues.



Public education campaign on water safety included in the Courier Journal digital edition

- Appeared on WAVE 3 Listens on July 7, 2009, and October 6, 2009. MSD was represented by Executive Director Bud Schardein.

- Conducted a remote broadcast on Living Better with Cindi Sullivan on August 8, 2009, at the MSD main office to discuss native plants and a rain garden installation.
- Deployed thirty second radio commercials on WHAS Radio highlighting MSD tips and/or initiatives airing June – August 2009, 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.
- Deployed online web streaming on WHAS Radio highlighting MSD tips and/or initiatives on June – August 2009, 10 times per week Monday - Friday from 7:00 am - 6:00 pm.
- Continued efforts to utilize various media outlets, including television, radio and the newspaper, to serve as a conduit for disseminating information to the public.
- Recorded new radio scripts by MSD's Executive Director that were used throughout the summer asking citizens to reduce the amount of water used during rain events, refraining from contact with waterways for 48 hours after rain events and help improve stream water quality in the local area with customer investment.
- Conducted a discussion with local experts on rain gardens & collecting rain water in August 2009 on WFPL Public Radio State of Affairs.

FY11 Program

- Continue to utilize various media outlets, including television, radio and the newspaper, to serve as a conduit for disseminating information to the public.
- Continue communications with Metro TV (Channel 25) to periodically show the **Project WIN 2008 video series** - a series of seven videos to inform the public about MSD, the Consent Decree and Project WIN.

4.2.2 Printed Media Activities

FY10 Program

- Developed an informational flyer with details on how residents can positively impact water quality by diligent pet waste pickup, and proper swimming pool opening and closing procedures. This information was distributed via a 2-page full slick insert in the Sunday June 20, 2010, Courier Journal. A copy of the insert was provided in Quarterly Report 19 Public Education and Outreach Materials.
- Developed an informational flyer that provides a general overview and awareness to the public on health impacts associated with sewer overflows. The flyer provides information to encourage water conservation during rain events, and proper grease disposal. This information was distributed via a 2-page full slick insert in the Sunday April 18, 2010, and June 20, 2010, Courier Journal.
- Advertised to inform the public on Project WIN activities in *Business First*, *Today's Woman*, and in *Louisville Magazine*.
- Provided the MSD *Crosscurrents* to all elected officials, internal staff, and customers that have contacted MSD with either drainage or a back-up problem. The majority of the articles relate to Project WIN. On-line copies of *Crosscurrents* can be viewed at http://www.msdlouky.org/aboutmsd/cross/cc_spring10web.pdf.

- Provided the MSD *Update* to customers and staff each month. Project WIN related articles are contained in each issue. These publications are available on the MSD Web site. On-line versions of *Update* can be viewed at <http://www.msdlouky.org/aboutmsd/updatenews.htm>.
- Printed 5,000 2nd Edition Rain Garden Manuals for distribution to customers.
- Placed Project WIN ads in the *Her Scene* (a publication put out by Courier Journal) in the Summer 2009, Fall 2009 and Holiday 2009 issues.
- Placed an ad in the Fall 2009 *U of L Magazine*.
- Published and distributed the MSD's Annual Report to customers and staff.

FY11 Program

- Continue to develop informational flyers for distribution in the Courier Journal. Flyers are to include messages on seasonal and stakeholder messages with an emphasis on what residents can do to help water quality.
- Continue advertisements to inform the public on Project WIN activities in *Business First*, *Today's Woman*, and in *Louisville Magazine*.
- Continue to place Project WIN ads in the *Her Scene*.
- Continue to send the MSD *Update* to customers and staff each month.
- Continue to send the MSD *Crosscurrents* to customers and staff.
- Continue to work with the Courier Journal to run newspaper advertisements educating the public about overflows and pollutants in waterways. Messages are coordinated with stakeholder priorities and seasonal information. The messages will include: Flooding, the FOG program, water safety, pet waste pickup, and conscientious use of washing machines and dishwashers during wet weather.
- Continue to send MSD's Annual Report to customers and staff each year.

4.2.3 Electronic Media Activities

FY10 Program

- Worked with the Courier Journal to develop educational advertisements for the on-line edition of the newspaper to warn the public about overflows and pollutants in waterways. Messages are focused at reaching dog owners, families, and the general public. On-line advertisements will direct interested readers to the Project WIN website for additional information. Advertisements began running on April 17, 2010. A report from the Courier Journal outlining the web traffic, impressions, and web hits from visitors directed to the Project WIN website from the Courier Journal website for the 4th quarter of FY10 is summarized below:
 - There were a total of 839,057 impressions. An impression is a page view of how many times the ads were loaded onto the Courier Journal website. Of the 839,057 impressions there were 133,430 unique users.

- During the quarter there were 241 clicks. This makes the average click-through rate .028 (number of times the ad was clicked on per number of impressions). The average click-through rate for the Courier Journal is .05.

Ads can be viewed at the following website links:

- Courier Journal: www.courierjournal.com
- Moms Like Me: www.louisville.momslikeme.com
- Louisville Metromix: www.louisville.metromix.com

FY11 Program

- Continue to work with the Courier Journal to create on-line advertisements emphasizing seasonal and stakeholder messages.
- Continue partnering with the Courier Journal to refine the target audiences and determine possible enhancements to the messages to reach more residents to improve the click rate of MSD on-line ads.

4.2.4 Project WIN Website

FY10 Program

- Continued 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 significant precipitation has caused overflows in MSD's system. This website can be found at www.msdlouky.org/projectwin.
- Planned a new page titled *How to be Part of the Solution*. This new page will include information on how individuals can help reduce sewer overflows and make a positive impact on stream water quality during their daily activities. This page will be made available in FY11 at <http://www.msdlouky.org/projectwin/solution.htm>.
- Updated the website to facilitate communication with customers on the Beechwood Village project. The site is available with a link on the Project WIN website. Select "Major Capital Project Updates", to link to the website. <http://inet.msdlouky.org/bwvillage>.
- Developed a website to facilitate communication with customers on the Camp Taylor SSES project. The site became available to the public from a link on the Project WIN website on March 17, 2010, at <http://inet.msdlouky.org/camptaylor/default.asp>.



- Completed the updates to the CSO/SSO Overflow Location Maps on March 25, 2010, to reflect changes in the documented overflows.
- Updated the MSD website with a special notice regarding the plumbing modification program that is available free to customers and is aimed at reducing I&I.



Public education campaign on pool opening and closing protocols included in the Courier Journal print edition

FY11 Program

- Continue to post Project WIN information on the website.
- Deploy the *How to be Part of the Solution* section of the Project WIN website.
- Initiate planning on a downspout disconnection program web page as part of the Project WIN website.
- Initiate planning on a web page informing the public on the *Scoop the Poop* initiative to encourage pet waste pickup as part of the Project WIN website.

4.3 Public Outreach Programs

MSD has developed a public outreach program aimed at involving the public on MSD's primary business functions with emphasis on wastewater, stormwater and flood protection. The following activities occurred within FY10 or are scheduled to occur in FY11.

4.3.1 Green Infrastructure Workshops and Activities

FY10 Program

- Constructed the rain garden at the MSD main office building from June to August 2009.
- Announced the MSD Tree Program in August 2009.
- Delivered a presentation at the Partnership for a Green City to the Kentucky Association for Environmental Education on September 18, 2009.



Public education campaign on responsible water use included in the Courier Journal digital edition

- Facilitated presentation to the New Direction Housing Neighborhood Round Table on Urban Storm Water and Residential Rain Gardens in November 2009.
- Planted the final tree and shrubs in the Main Office Rain Garden during October 2009.
- Delivered a presentation to Bon Air Community group on Urban Storm Water on January 18, 2010.
- Delivered a presentation for the Jeffersontown Garden Club on Urban Storm Water and Rain Gardens on February 4, 2010.
- Delivered a presentation for the Audubon Garden Club on Urban Storm Water and Rain Gardens on February 8, 2010.
- Delivered a presentation for the Louisville Master Gardeners on Urban Storm Water and Rain Gardens on March 2, 2010.
- Started planning internal and external workshops explaining the Green Infrastructure Program.
- Delivered a presentation to the Iroquois Neighborhood Association on Urban Storm Water and Rain Gardens on April 20, 2010.
- Delivered a presentation to Kentucky Waterways Alliance on Urban Storm water and Rain Gardens on May 11, 2010.
- Facilitated a rain garden workshop and installation at John Paul II Elementary School on May 23, 2010.
- Delivered a presentation to the Iris Society on Urban Storm Water and Rain Gardens on June 10, 2010.
- Facilitated a rain garden workshop and installation at Jackson Woods (New Directions Affordable Housing) on June 12, 2010.
- Delivered a presentation to the facilities management group of Saint-Gobain on Urban Storm Water and Rain Gardens on June 24, 2010.
- Facilitated a rain garden workshop and installation at 3213 University Road on June 25, 2010.
- Continued design of a rain garden to be installed at the Brandeis Apartments in FY11.
- Designed interpretive signage for the Main Office Rain Garden.



FY11 Program

- Schedule rain garden workshops at various times throughout the year.
- Begin planning for additional signage for green demonstration sites and green partnership locations in FY11.
- Continue design of a rain garden to be installed at the Brandeis Apartments in FY11.
- Continue review process of interpretive signage for the Main Office Rain Garden. Fabrication and installation of the sign will be complete by October 30, 2010. Planning for additional signage for green demonstration sites and green partnership locations will begin in FY11.
- Initiate planning on a rain garden workshop for the Clifton Triangle Neighborhood tentatively planned for October 2010.
- Continue planning of internal and external workshops explaining the Green Infrastructure Program.



4.3.2 Clean Streams Workshops and Activities

FY10 Program

- Participated in EcoDrama and Basin Marking – a week long program for third grade students that focused on teaching land and water pollution prevention was held for approximately 250 students and their teachers in August and September, 2009.
- Organized and staffed the X-Stream Clean Sweep on March 27, 2010. (400 volunteers)
- Facilitated the Ohio River Sweep at the Louisville riverfront on June 19, 2010.

FY11 Program

- Continue to facilitate stream cleanup events and workshops

4.3.3 Outreach Activities for Students

FY10 Program

- Continued support for Eastern High School's Environmental Program at Floyds Fork WQTC by providing meeting space on-site for classes.
- Participated in the Jefferson County Public School Youth Summit at Eastern High School on August 13, 2009. The focus was "Earth Force, Green and Healthy Schools".
- Participated in the Kentucky Green and Healthy Schools Water Inventory on October 19, 2009. See www.greenschools.ky.gov for more information.

-
- Participated in the Rain Gardens & Square Foot Measuring, educational opportunity, for the Environmental Club of John Paul II Elementary School on October 21, 2009.
 - Participated in discussions with Jefferson County Public Schools regarding construction methods for outdoor classrooms supporting environmental classroom/green education opportunities at the Portland Elementary School environmental magnet program. Meetings were held on May 11, 2010, and June 2, 2010.
 - Facilitated educational storm water activities and tours of the Floyds Fork WQTC for Kennedy Montessori 4th and 5th graders. 180 students participated on May 19, 20 and 25, 2010.
 - Facilitated a workshop with administrators and faculty for implementation of an outdoor classroom at Slaughter Elementary on June 22, 2010.

FY11 Program

- Work with partners to maintain the outdoor classrooms at: Brandeis Elementary, Jeffersontown Elementary, DuPont Manual High School, and the Floyds Fork WQTC.
- Assist, as requested, the Environmental Magnet School program development for Portland and Cane Run Elementary Schools.
- Continue support for Eastern High School's Environmental Program at Floyds Fork WQTC. MSD is working on an expansion of this program to include Fairdale High School and the Derek R. Guthrie WQTC.

4.3.4 IOAP Project and Program Meetings

FY10 Program

- Provided information to the WWT through the Project WIN website, at www.msdlouky.org/projectwin.
- Conducted an "open house" at the Derek R. Guthrie Water Quality Treatment Center on October 3, 2009. Invitations were sent to local residents, elected officials and other interested parties, and notices of the open house were posted on MSD's web site. The purpose of the open house was to explain upcoming improvement projects, and receive public input on the planned modifications.
- Conducted a Stakeholders Group meeting on January 28, 2010. At this meeting MSD described the IOAP approval process and status. The implementation schedule was reviewed, and the status of current and upcoming projects was discussed.
- Conducted two public meetings on the Jeffersontown WQTC blending elimination plan:
 - Jeffersontown Community Center on March 16, 2010, from 4:00 pm to 7:00 pm. Attended by 15 people.
 - Sun Valley Community Center on March 17, 2010, from 3:00 pm to 6:00 pm. Attended by 3 people.
- Attended the following "**Mayor's Community Conversations**"
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
January 25, 2010 - Newburg Middle School Gym, 4901 Exeter Avenue
February 15, 2010 - Carter Elementary School Cafeteria, 3600 Bohne Avenue
March 15, 2010 - Valley High School Gym, 10200 Dixie Highway
April 19, 2010 – Fairdale High School Gym, 1001 Fairdale Road
May 17, 2010 – Butler High School Gym, 2222 Crums Lane
June 21, 2010 – Fern Creek High School Gym, 9115 Fern Creek Road

FY11 Program

- Inform the WWT on the progress of the IOAP by hosting two WWT meetings per year. A WWT meeting will be held prior to December 31, 2010, and a second meeting will be held prior to June 30, 2011.
- Continue to provide information to the WWT on the Project WIN website, at www.msdlouky.org/projectwin.
- Continue to attend the “**Mayor’s Community Conversations**”.

SECTION 5: Capacity Management Operations and Maintenance (CMOM) Annual 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. Highlights of the CMOM program implementation during FY10 are outlined below.

5.1.1 Management Programs

5.1.1.1 Table of Organization - *This section describes MSD's Table of Organization. The goal of this section is to ensure each department works efficiently and cooperatively by clearly defining each department's role in the organization in terms of authority, function, position, duties, and relation to other departments. This section also identifies positions currently budgeted and filled.*

M-A-1 Organizational Chart

M-A-2 Relationship to other Departments

FY10 Program

- Updated the MSD Organizational Chart on a quarterly basis and posted to the MSD Intranet. See **Appendix H** for the latest version.
- Carried 649.5 approved positions at the beginning of FY10 and 660 approved positions at the end of FY10. This is an increase of 10.5 full time positions.
- Carried 23 vacant positions at the beginning of FY10 and 25 vacant positions at the end of FY10.

FY11 Program

- Continue to hire staff to fill vacant positions.

5.1.1.2 Training Programs - *This section describes MSD's Training Programs. The goal of this section is to ensure employee growth and workplace safety, through mandatory training (both initial and ongoing), attendance to conferences and seminars, certification, accurate record keeping of employee training, and incentives such as pay, promotions, and ability to work. All training programs promote MSD's fundamental mission, goals, and policies.*

M-B-1 Technical Training

M-B-2 Skills Training

M-B-3 Safety Training

FY10 Program

Performed training in the following areas:

Type of Training	Number of Hours	Number of Sessions
Collection System	211	121
Equipment	1149.5	290
Reporting	41.5	14
Safety & Hazmat	151	90
Wastewater	53.5	28

- Conducted 121 training sessions related to the collection system, representing a total of 211 hours of training. These sessions primarily focused on sewer overflow response preventive maintenance of CSO's, Siphons, Pump Stations, equipment procurement procedures, and sewer cleaning & maintenance, and CMOM.
- Delivered 1149.5 hours of training in 290 sessions on equipment needed to maintain and operate the collection system, pump stations and treatment plants. Types of equipment training included combination sewer cleaners, excavators, dump trucks, backhoes, cranes and portable pumps.
- Conducted a training session on the use of the EB software, which is used to digitally store images.
- Conducted 90 sessions related to safety, totaling 151 hours of training. These sessions covered such areas as Hazmat, trenching & shoring, bloodborne pathogens, CPR/first aid, confined space entry, atmospheric testing, and emergency response.
- Conducted 28 sessions, totalling 53.5 hours of training, on topics related to wastewater treatment processes, including treatment plant SOP's and odor control.
- Enhanced the training log database to increase its ability to track employee training compliance.
- Reviewed and updated CCTV training. Training will incorporate lessons learned from FY10 inspection efforts.

FY11 Program

- Train additional employees in the use of CIPP methods. Training will include description of the methods of pipe lining utilized by MSD, curing methods, and protocols.
- Continue to assess the effectiveness of the training program. MSD training includes assessments that serve both as indicators of the level of learning that has taken place, and as learning instruments for the employees. Classroom and field exercises provide the instructors immediate feedback regarding the employee's grasp of the content. Equipment training, particularly more complex pieces of equipment, always includes a skills demonstration in which the employee must demonstrate that they have mastered an adequate level of learning before being considered competent to operate the equipment in the field. These demonstrations also provide feedback regarding the quality of the equipment training programs.

-
- Conduct CCTV training for new employees. Training will incorporate lessons learned from FY10 inspection efforts.
 - Provide training on the operation and maintenance of WQTC disinfection systems based upon results of the third party audits performed on specific WQTCs as described in Section 6.6 – Bypass Corrective Actions.
 - Continue to provide training sessions devoted to small treatment plants and sanitary pump station SOP's. Appropriate training will be delivered as SOP's for Pump Station Preventive Maintenance activities are enhanced.

5.1.1.3 Safety Programs - *This section describes MSD's Safety Programs. The goal of this section is to eliminate on-the-job injuries. MSD's Safety Programs include safety committees, confined space entry procedures, district wide safety policies, traffic management, lock out/tag out procedures, and proper use of safety equipment.*

M-C-1 Safety Committee

FY10 Program

- Conducted quarterly meetings to discuss safety issues and changes in regulations. Members of the Safety Committee include representatives of the I&FP, Morris Forman WQTC, and Metro Operations divisions.
- Performed random job site inspections, inspections at Morris Forman WQTC, and quarterly inspections with Metro Operations of WQTCs and Pump Stations.

FY11 Program

- Continue Safety Committee meetings; perform inspections and review policy and incidents. Address safety concerns presented by safety committee members.

M-C-2 Confined Space Entry

FY10 Program

- Conducted confined space entry training in accordance with the OSHA Confined Space Entry standard 29 CFR 1910.146 for new employees, and on an "as needed" basis for existing employees who have job descriptions requiring confined space entry. Maintained entry equipment and personal protective equipment to provide for safe entry conditions and to maintain compliance with 29 CFR 1910.146.
- Purchased four 6-Gas Monitors for flood pumping department.

FY11 Program

- Continue to administer training and monitor procedures on confined space entry to maintain compliance with 29 CFR 1910.146.
- Coordinate with flood pumping to purchase a calibration station and install it in the Beargrass Pump Station for calibration of monitors.
- Spot check entries to determine compliance with company procedures.

M-C-3 General Safety Procedures

FY10 Program

- Established general safety procedures based on 1910 & 1926 OSHA regulations, input from internal personnel, and on the specific needs of the district in order to maintain regulatory compliance and provide safe working procedures for employees.

FY11 Program

- Continue to assess the need to update existing procedures and/or create new procedures as conditions and regulatory requirements dictate. Additional training for the MSD Emergency Response Team to occur.
- Introduce Arc Flash Compliance (70E) into all future new construction projects.

M-C-4 Traffic Management

FY10 Program

- Purchased and maintained traffic control equipment to be utilized whenever the control of traffic is required due to operational exposure.
- MSD provided training on traffic control, through licensing and equipment operating training, as employees were hired or their job duties required.

FY11 Program

- Continue to train on traffic control and continue to audit traffic control equipment.

M-C-5 Lock Out/Tag Out

FY10 Program

- Established lock out and tag out procedures as required by the OSHA 29 CFR 1910.147 Control of Hazardous Energy standard. Procedures are kept, maintained and communicated to employees.

FY11 Program

- Develop lockout/tag out procedures as equipment is added or replaced, or as processes are changed.

M-C-6 Safety Equipment

FY10 Program

- Continued to provide required personal protective equipment to employees.
- Maintained safety related equipment or replaced the equipment per governing policies.

FY11 Program

- Monitor the market to procure improved safety equipment as technology advances.

M-C-7 Performance Measures

FY10 Program

- Received no construction site visits, and no NOVs or associated fines from OSHA.
- Worked 1,178,522 hours.
 - Recorded 109 safety incidents.
 - Recorded 40 lost time incidents.
 - Filed 16 Worker Compensation Claims.
 - Lost 790 days due to work related claims.
- Ensured that appropriate staff attended mandatory training on: trench training, confined space, first aid, hazmat response and fire extinguisher usage.

FY11 Program

- Conduct a 40 hour HAZMAT Technician Level Training for the Emergency Response Team.
- Enhance the Hazardous Waste Disposal Written Procedure.
- Revise and print updated calendar year 2011 Health & Safety Rulebooks.
- Invite Kentucky OSHA to conduct trenching/excavation training for I&FP employees.

5.1.1.4 Utility Information Management Systems - *This section describes MSD's Utility Information Management System. The goal of this section is to produce quality information regarding sewer system performance. MSD's Utility Information Management System supports the following programs: management, operations, maintenance, complaint management, and performance indicators.*

M-D 1 Management Information Management Systems

M-D-2 Operations Information Management Systems

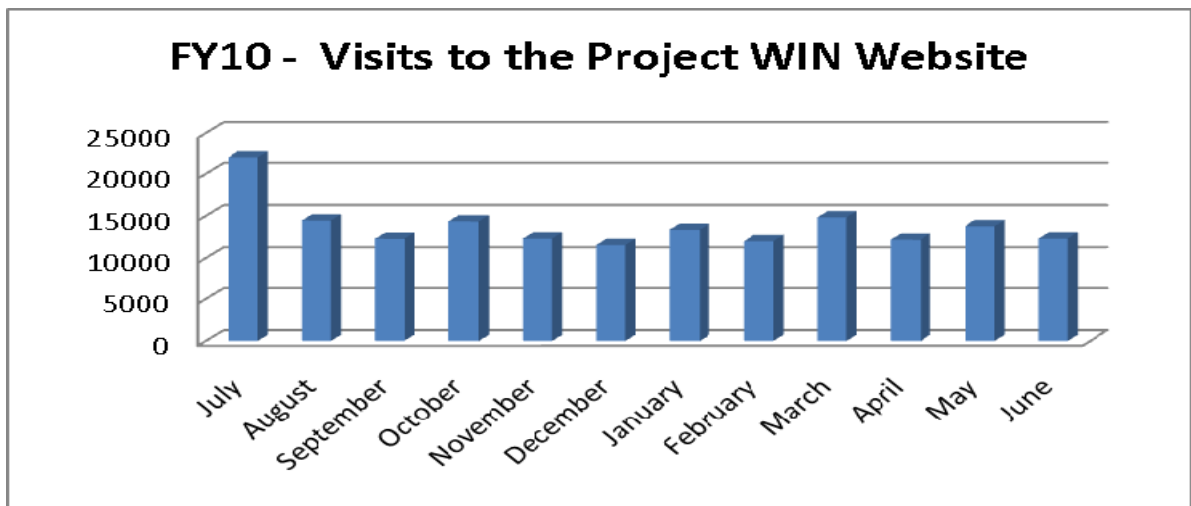
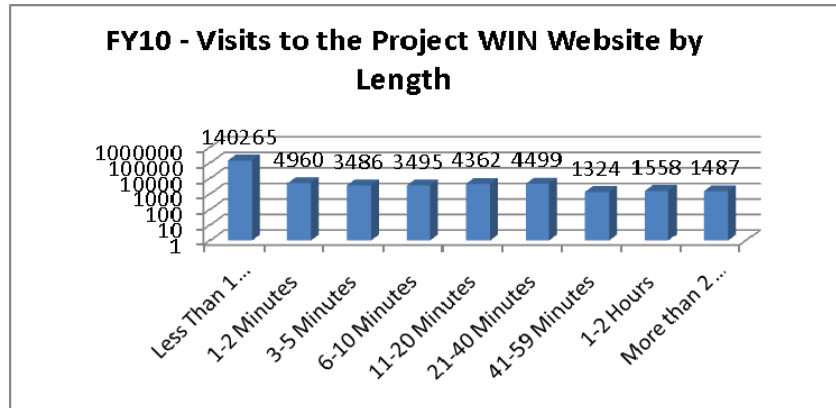
M-D-3 Maintenance Information Management Systems

M-D-4 Complaint Management and Tracking Information Management Systems

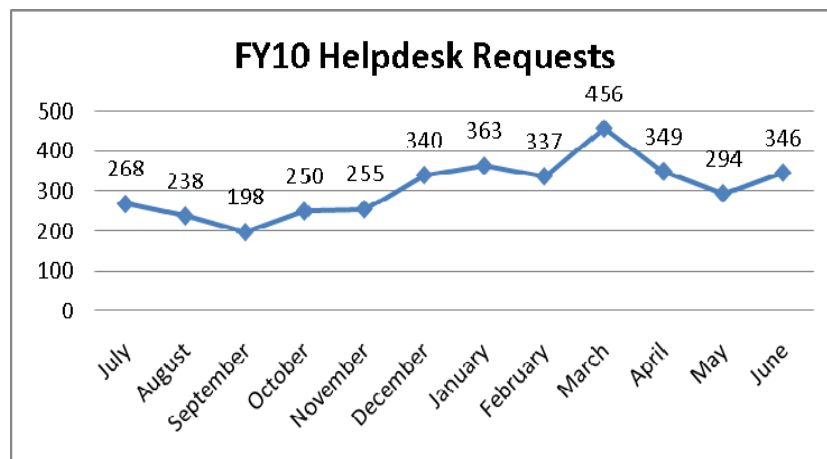
M-D-5 Performance Indicators

FY10 Program

- Provided network availability 99% of the time.
- Continued enhancement of The Project WIN website with updated information related to the Amended Consent Decree. There were 1487 visitors to the site that lasted for at least 2 hours.

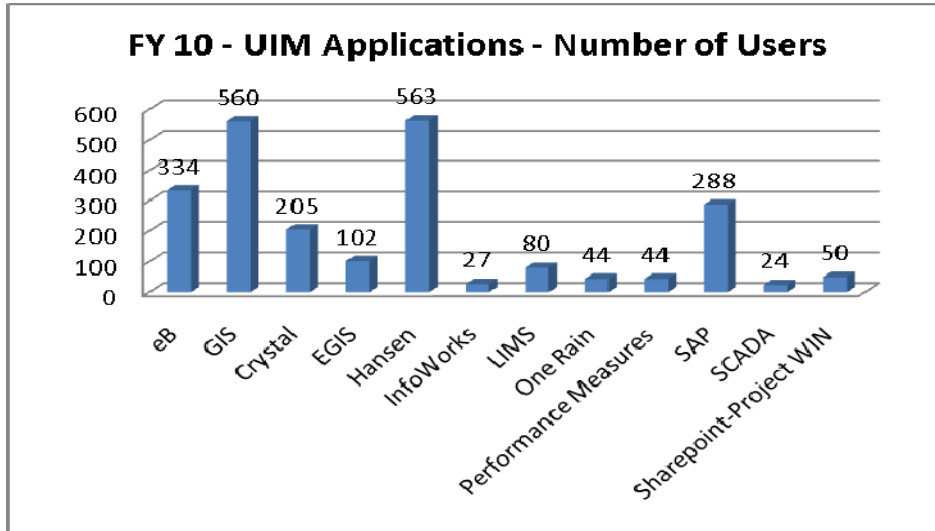


- Maintained a helpdesk system to track and respond to requests from users.



- Utilized a wide variety of software to operate the day to day business activities associated with wastewater collection, conveyance and treatments. The usage

distribution, of the major Utility Information Management (UIM) applications, is shown in the chart below.



- Upgraded LIMS software, rolled out eB Version 14 software in February 2010, deployed a new GIS tool, started the Hansen software conversion project and started posting performance measures on the SharePoint site.

FY11 Program

- Continue to post information on the Project WIN website.
- Continue to upgrade systems and performance. The Hansen 8 conversion project will continue.
- Continue to enhance the SharePoint site with additional data.

5.1.1.5 Engineering Programs -This section describes MSD’s Engineering Projects. The goal of this section is to maintain accurate plans of current sewer system infrastructure, oversee construction quality of new infrastructure, and conduct assessments to maximize the efficiency of current WQTCs. MSD’s engineering programs include the following: collection and transmission system plans, system inventory, mapping, sewer system design, sewer construction, construction inspection, acquisition considerations, continuing sewer system assessment (CSSA), infrastructure rehabilitation, and a system capacity assurance plan (SCAP).

M-E-1 Collection and Transmission System Plans

M-E-2 System Inventory

M-E-3 Mapping

FY10 Program

- Scanned construction plan sheets into the eB imaging system. 113 projects were added to eB.

-
- Deployed the initial version of a new GIS application (HARP) for use with the Hansen software.
 - Captured assets in the GIS and asset management software. Approximately 321 property service connections and 47,319 feet of sewer were added.
 - Migrated the Pump Station database into Hansen for work order management.
 - Received data correction sheets from field staff.

FY11 Program

- Continue to scan plans and update data in the GIS and asset management software from the collection and transmission plans.
- Complete the WQTC equipment inventory in Hansen and train operations staff on the use of the software.
- Continue the development of the HARP application.

M-E-4 Sewer System Design

FY10 Program

- Conducted a press conference on April 19, 2010, to announce the new Sanitary Sewer Line Replacement Program. The Sanitary Sewer Line Replacement Program will provide interest free loans to customers who need to replace the private portion of their property service connection. This program will help to address I/I issues related to private property. See Project WIN Quarterly Report 18, Appendix L for a copy of the program brochure.
- Completed the revisions to the design manual. The design community was notified by e-mail, the webpage, and at meetings held with Home Builders, Engineers, Developers and Contractors. Three training classes were held on September 28 and September 30, 2009.
- Posted the revised Design Manual to the MSD website. Updates to the manual will occur as needed.

FY11 Program

- Continue implementing the program to finance replacement of private sewer service lines at property owner request.
- Develop and post standards for electronic drawing submittals prior to June 30, 2011.

M-E-5 Sewer Construction

M-E-6 Construction Inspection

M-E-7 Acquisition Considerations

FY10 Program

- Upgraded the project tracking software to Primavera 6.

- Financed capital expenditures of \$100,741,919 (includes capitalized project management and administration costs).
- Committed professional services funds of \$30,805,490
- Committed construction funds of \$126,032,000
- Awarded construction contracts valued at \$117,406,689
- Processed total change orders equaling \$2,832,053
 - MSD-requested scope change - 99%
 - Unforeseen conditions - 1%
 - Design error or omission - 0 %
 - Final compensating quantities - 0%
- Acquired 141 easements at a cost of over \$683,000.
- Acquired the following properties in fee simple:
 - 3600 Downing Way - \$162690.00
 - 4818 Jennings Lane - \$6,690,980.00
 - 12702 Seatonville Road - \$220,000.00

FY11 Program

- Complete the migration to tracking performance measures and project milestones through SharePoint.

M-E-8 Continuing Sewer System Assessment

- Refer to **Section 9: Continuing Sewer System Assessment Report 2010** for more details on the CSSA.

M-E-9 Infrastructure Rehabilitation

- Refer to **Section 3: Program Activities for Discharge Abatement Plans** for more details on infrastructure rehab projects.

M-E-10 System Capacity Assurance Program

FY10 Program

- Continued to collect formula-based defect inspection of significant footage of sewer lines in various sewersheds across the county. This information is being used to prioritize cleaning and rehabilitation efforts that will remove inflow and infiltration from the system and create capacity credits.
- Enhanced the tracking of Pump Station capacities, reviewed drawdown testing results and identified action items pertaining to deficiencies. Critical results of this effort are being documented on each asset within the Hansen system.
- Continued sewer line inspections in sewersheds across the county. Refer to the **FY10 CSSA Annual Report in Appendix I** for a progress update.

- Managed the Lateral Extension Program in accordance with the SCAP, with the following details:
 - Approved 73 lateral extension contracts with projected flow of 487,122 GPD.
 - Denied approval of 6 lateral extension projects with projected flow of 74,214 GPD due to capacity limitations with the following details: lack of capacity at Jeffersontown WQTC (3 times), lack of capacity at a downstream pump station or collection system (2 times), non – capacity related issue (1 time).
 - Conditionally approved 127 additional lateral extension projects with projected flow of 1,613,700 GPD, contingent upon programmatic activities, such as completion of WQTC expansions that could increase the capacity of the receiving WQTC.
- Tracked WQTCs capacities and new development flows in accordance with the SCAP.
- Refined pump station capacity investigation needs from the pump testing and deficiency identification process. Remedial actions have been initiated for the highest priority stations.
- Completed a capacity credit evaluation spreadsheet and tracking mechanism in Hansen for each credit catchment and updated with approved new flows. Rehabilitation efforts using existing sewer condition data will be advanced to remove inflow and infiltration and generate capacity credits in those areas demonstrating need.
- Developed and presented a SCAP training module to staff.
- Published additional GIS information related to the sewer condition.
- Updated the SCAP planning document to adjust the programs details and direction as the plan is implemented and improved.
- Continued to work on the procedures for documentation of rehabilitation and the calculation of SCAP credits.

FY11 Program

- Continue to perform formula-based inspection of sewer lines in various sewersheds across the county. Refer to the CSSA Annual Report in **Appendix I** of this report for an update on the areas selected for inspection.
- Continue tracking pump station capacities through testing, investigation and capacity evaluations.
- Update water quality treatment center capacities and track new development flows.
- Generate inflow and infiltration reduction projects and calculate related capacity credits.
- Update the SCAP training module and train staff.
- Continue to enhance credit calculation protocols and tracking in Hansen.

- Continue to enhance on the procedures for documentation of rehabilitation and the calculation of SCAP credits.
- Conduct a programmatic gap analysis to review efforts to implement the capacity program, determine how well they are being administered, and identify how the process can be improved.

5.1.1.6 Sanitary Sewer Overflow Reporting and Notification Program - *This section describes MSD's Sanitary Sewer Overflow (SSO) Reporting and Notification Program. The goal of this section is to maintain accurate, up to date records of SSOs and to ensure proper, timely notification of the agencies and organizations through un-permitted discharge reporting, SSO notification, and tracking.*

M-F-1 Unauthorized Discharge Reporting
M-F-2 Sanitary Sewer Overflow Notification
M-F-3 Tracking Sanitary Sewer Overflows

- Refer to **Section 2: Sewer Overflow Response Protocols** for detailed information.

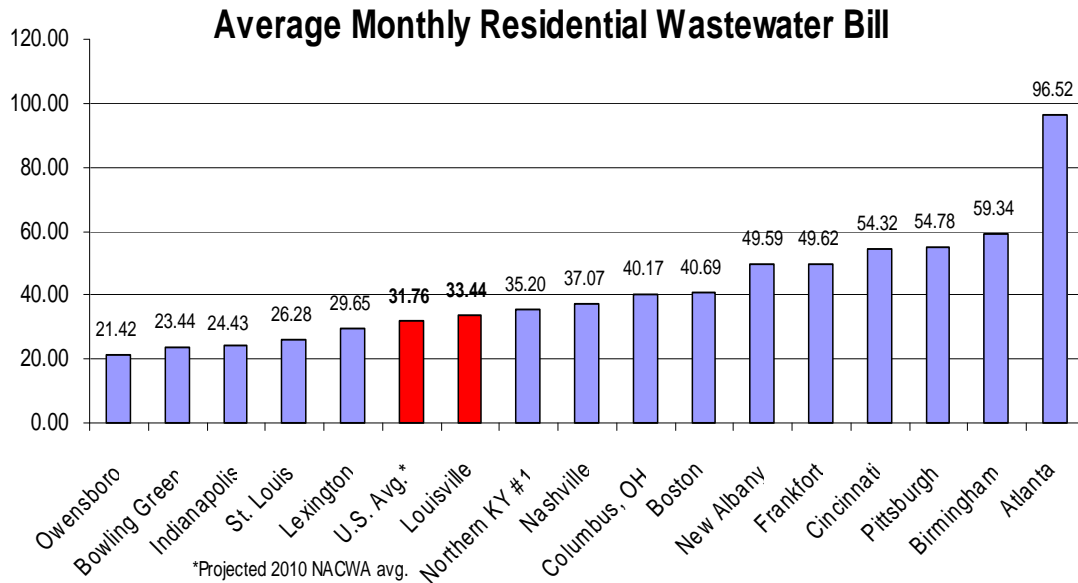
5.1.1.7 Financing and Cost Analysis Program - *This section describes MSD's Financing and Cost Analysis Program. The goal of this section is to provide a detailed cost analysis for both the capital and operational costs of MSD for use in future budgeting and decision making. The following cost analysis programs are included in this section: operations, maintenance, capital improvement program funding, management, life cycle, and budget and customer rate setting.*

M-G-1 Operations Cost
M-G-2 Maintenance Cost
M-G-3 Capital Improvement Funding
M-G-4 Management Programs Cost
M-G-5 Life Cycle Cost
M-G-6 Budget and Customer Rate Setting

FY10 Program

- Reported a total operating cost of \$100,353,399. This was 3.5% below budget and represented a 6.6% increase over FY09.
- Reported a total service and administrative cost less capitalized project costs of \$72,607,309. This was 2.2% below budget, and represented a 4.4% increase over FY09.
- Reported a total gross debt service (not adjusted for capitalized interest) of \$109,367,022. This was a 14.1% increase over the FY09 gross debt service of \$95,881,000.
- Reported total available revenues of \$209,341,000. This was 11.5% above budget of \$197,751,000, and represented a 6% increase over FY09.
- Reported debt service coverage of 175%. This was up from 133% in FY09.
- Reported capital expenditures (including capitalized project management and administrative costs) of \$100,741,919. This was a 50% increase over FY09.
- Reported a developer construction cost of \$4,105,085, a 57% decrease over FY09.

- Reported total system construction of \$84,915,949, a 46.7% increase over FY09.



FY11 Program

- Set the operating budget at \$107,606,100 and the capital budget at \$218,430,000.
- Anticipate issuing Build America Bonds totaling approximately \$330 million in order to fund its capital program.

5.1.1.8 Equipment and Tools Management and Maintenance Program - *This section describes MSD's Equipment and Tools Management Programs. The goal of this section is to facilitate efficient repair and support of MSD's sewer systems through an accurate spare parts inventory, a timely equipment maintenance schedule, vehicle repair, and needed tools and supplies.*

M-H-1 Spare Parts Inventory Management

FY10 Program

- Reviewed security scan control pads. Access is reviewed quarterly for inventory control measures.
- Continued review of inventory with department managers to identify obsolete items.
- Initiated the Storeroom Bar-Code Scanning Project on September 22, 2009, with a wireless site survey of CMF and demonstration of handheld hardware devices. Team kick-off meeting was held September 28, 2009, to determine bid process.
- Delayed the regular cycle counting at Hite Creek WQTC Storeroom, due to Storeroom personnel issue.

- Remodeled the Hite Creek WQTC Storeroom with shelving, pallet racking, bins and tool check out area, in the new shop, to service Central and East Regions.
- Began testing of SAP processes with new location of Hite Creek WQTC Storeroom for implementation of cycle counting and bar-code scanning preparation.
- Continued sampling of new environmentally-friendly air freshener products for installation at WQTCs to control odor.
- Implemented the following quality improvements with lean manufacturing principles at the CMF Storeroom: relocation of service counter to better serve customers at both gates, installed a door bell at the counter to alert staff in office during slow business hours, receiving/holding area incorporated, and constructed vertical racking for lumber.
- Completed final phase of testing the Silt Filter System to replace stone bags around catch basins at CMF. Initial testing showed a cost savings of \$500 a month (labor and materials) and significant increase in filtration of contaminants from entering the sewer system.
- Participated in environmental spill containment and recycling of chemicals and oils for MSD locations for bid proposal.
- Performed the annual physical inventories of Morris Forman, Hite Creek and CMF Storerooms. Initiation of development of a Standard Operating Procedure (SOP) will be developed for better processes before the next annual inventory.
- Developed the requested Annual Inventory SOP and presented to internal auditor for approval.
- Trained newly-hired Metro Coordinator to control spare parts, handle environmental issues and administrative matters related to the Storeroom, at the East and Central WQTCs.
- Continued to meet with vendors to identify opportunities of warehousing low-volume critical inventory items.



Catch Basin Silt Filter System at CMF

FY11 Program

- Continue quarterly review of security scan control pads for inventory control measures.
- Continue review of spare parts required for the East and Central Regions, with emphasis on old spare parts removal.
- Continue processing 100 material numbers for consideration of obsolescence with department managers.
- Continue lean manufacturing quality improvements, such as 5-S, in the warehouse non-inventory working area at CMF. 5-S is a system to identify waste and opportunities for improvement, then bring order to the work environment through establishing efficient flow of material, supplies and activities.
- Continue recycling efforts with pick-up service within Metro.
- Continue the Bar-Code Scanning Project.

M-H-2 Equipment and Tools Repair Management

FY10 Program

- Approved vehicle tool inventory checklists for Infrastructure and Flood Protection crew vans and trucks. SOP for purchasing and replacement tools will continue legal and audit review.
- Began the Kaizen event for equipment and tool repair process in February 2010.
- Continued to utilize approved contracts for motor and pump repair.
- Continued external contractor repairs of ITX Gas Safety Monitors. Repair files and history logs, are maintained by the CMF Storeroom.

FY11 Program

- Continue the Kaizen event for equipment and tool repair process.
- Continue to utilize approved contracts for motor and pump repair.
- Continue external contractor repairs of ITX Gas Safety Monitors.

M-H-3 Vehicle Repair

MSD's vehicle repair maintenance program addresses over 600 pieces of rolling stock, including automobiles, trucks, trailers, construction equipment (backhoes, mobile cranes, etc.) and specialty sewer maintenance equipment. For the purpose of the CMOM program, MSD established a list of "Mission Critical" (MC) equipment required for sewer inspection and maintenance. "MC" equipment includes:

- Catch Basin Cleaners (mechanical clamshell type)
- High-Pressure Sewer Flusher Trucks
- Tele-Inspection Vehicles

- Vacuum Sewer & Catch Basin Cleaner Trucks
- Sound-Attenuated 6" Trash Pumps

FY10 Program

MSD performed an evaluation of work order history on mission critical equipment. This data review indicated availability rates as follows:

<u>Target</u>	<u>Result</u>
95% availability of Catch Basin Cleaners (clamshell type)	5 Catch Basin Cleaners (clamshell type) had 96.1% availability.
95% availability of Sewer Flushers	6 Sewer Flushers had 96.9% availability.
95% availability of Tele-Inspection Trucks	7 Tele-Inspection Trucks had 96.7% availability.
95% availability of Vacuum Catch Basin/Sewer Cleaner Trucks	8 Vacuum Catch Basin / Sewer Cleaner Trucks had 92.7% availability.
95% availability of Sound-Attenuated 6" Trash Pumps	14 Sound-Attenuated 6" Trash Pumps had 99.2% availability.
95% availability of Mission Critical equipment	Average availability of Mission Critical equipment was 96.9%.

- Equipment Procurement Activities:
 - Placed 4 Ford / CUES Tele-Inspection Vehicles into active status on April 1, 2010.
- Data Management Initiatives
 - Continued utilizing manual techniques for analyzing availability/downtime data and compiling quarterly reports for mission critical equipment.
 - Initiated implementation and installation processes of FASTER fleet management information system.
 - Conducted the Faster Implementation Team kick-off meeting on March 18, 2010.
 - Conducted first on-site Faster training session, June 7-10, 2010.
 - Defined data elements to migrate into FASTER.
 - Critiqued and re-defined fleet maintenance work processes and procedures needed to implement and utilize the FASTER system.
 - Identified "Performance Measures" to be tracked with new Fleet Management Information System (FMIS) and researched initial benchmarks for each element to

be measured for CMOM critical equipment. Detail provided under separate Technical Memorandum. Included as **Appendix L**.

- Vehicle and Equipment Training
 - Provided in-house Vacuum Catch Basin Cleaner “Vactor Basic Mechanics” factory training program for sixteen (16) Fleet Services technicians on January 19-21, 2010.
 - Attended out-of-town Vacuum Catch Basin Cleaner “Vactor Advanced Mechanics” factory training program as follows: 4 Fleet Services personnel, June 14-17, 2010.

FY11 Program

- Continue to develop performance measures for tracking performance of Fleet programs and initiatives.
- Continue with FASTER implementation process.
- Investigate practicality and potential for the successful transfer of historical fleet maintenance data into new FASTER system.
- Conduct key personnel and end user on-site FASTER training sessions.
- Test functionality of SAP and NAPA customizations.
- Deliver and process 1 additional Ford / CUES Tele-Inspection Vehicle in FY11.
- Deliver and process 1 additional International / Vactor 2100 Plus, Vacuum Catch Basin / Sewer Cleaner truck in FY11.
- Determine FASTER “Go Live” date.
- Schedule out-of-town Vacuum Catch Basin Cleaner “Vactor Advanced Mechanics” factory training program as follows:
 - 4 Fleet Services personnel, September 20-23, 2010
 - 4 Fleet Services personnel, October 11-14, 2010
 - 6 Fleet Services personnel, December 6-9, 2010

M-H-4 Supplies Management

FY10 Program

- Negotiated a Vendor-Managed Inventory (VMI) contract with local vendor for electrical supplies.
- Completed a bid proposal for inventory of managed gas cylinders for MSD locations, which will provide better chemical and gas controls throughout MSD.
- Designated the Morris Forman facility as the main recycling center for the District.
- Completed testing and installation of soy-based industrial hand cleaners and lotions for maintenance and fleet shop employees.

- Continued environmental assessment of chemical and oil clean-up at Metro Operations and Morris Forman WQTC.
- Completed cost savings initiatives with janitorial supplies for MSD.
- Initiated contracts for hazardous and non-hazardous waste removal.
- Established monthly meetings with internal customers to better service tool and inventory needs.

FY11 Program

- Continue communication with Union representation on Storeroom SOP and processes for equipment and tools repair to finalize implementation for MSD.
- Continue monthly meetings to better service tool and inventory needs.
- Continue environmental assessment of chemical and oil clean-up at Metro Operations and Morris Forman WQTC.

5.1.1.9 Customer Service Programs - *This section describes MSD's Customer Service Programs. The goal of this section is to strengthen and maintain a healthy relationship between MSD and the public through service programs which include complaint management, public information, and public education.*

M-I-1 Customer Service

M-I-2 Public Information

M-I-3 Public Education

FY10 Program

- Handled a total of 125,768 calls. August 2009 was the month with the highest number of

FY2010 CMOM Reporting						
	MSD Calls			MetroCall "311" Calls		
	Received	Abandoned	Avg. Hold Time	Received	Abandoned	Time
Jul-2009	4698	438	1:25	7236	504	1:00
Aug-2009	9196	556	1:21	8147	943	1:03
Sep-2009	6411	375	1:21	5902	539	1:03
Oct-2009	5023	308	1:18	5282	424	:46
Nov-2009	3696	312	1:14	4721	342	:55
Dec-2009	3375	306	1:12	2538	186	:40
Jan-2010	4380	113	1:21	4697	366	:48
Feb-2010	3298	60	1:17	3960	303	:54
Mar-2010	4516	109	1:28	5119	440	:53
Apr-2010	4602	99	1:31	5559	515	1:01
May-2010	6462	256	1:39	6033	764	1:00
Jun-2010	5100	76	1:28	5817	427	:59

calls. See the chart below for a detailed breakdown between MSD and METROCALL. METROCALL is answered by MSD Customer Relations staff only from 5:00 pm – 8:00 am, and on weekends and holidays. Attended 35 public meetings during FY10.

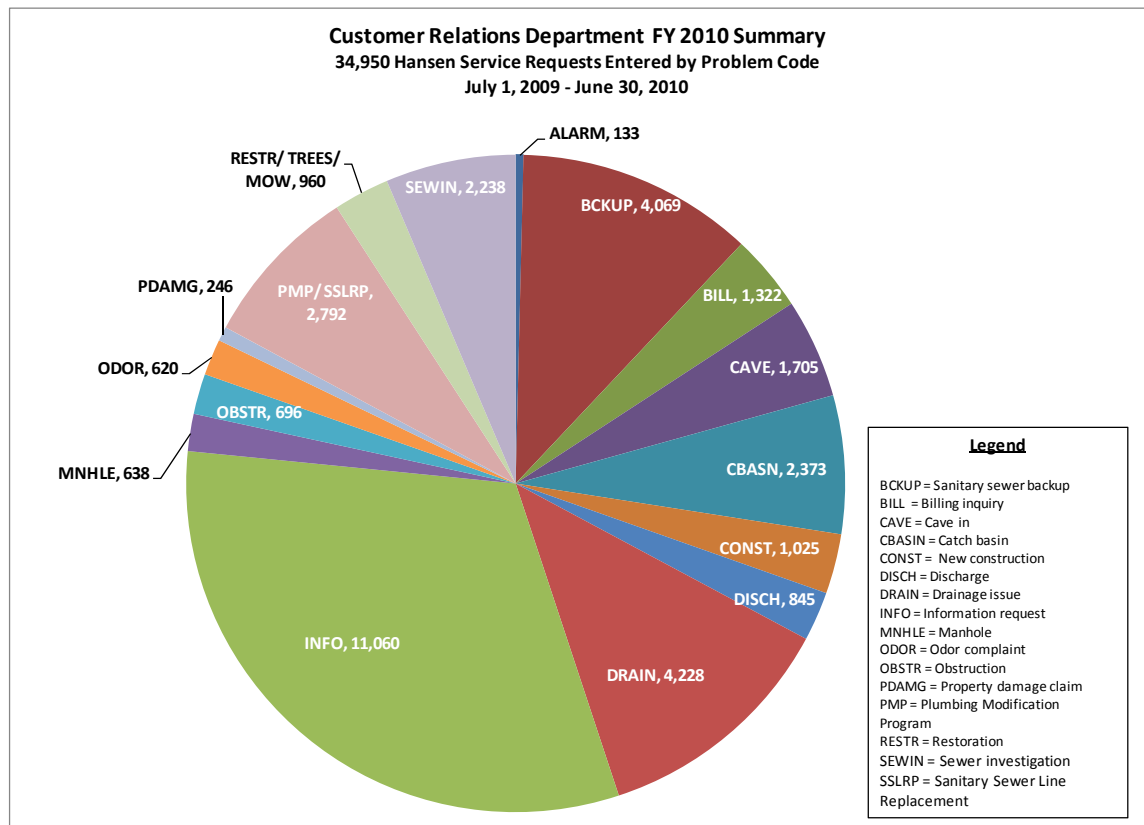
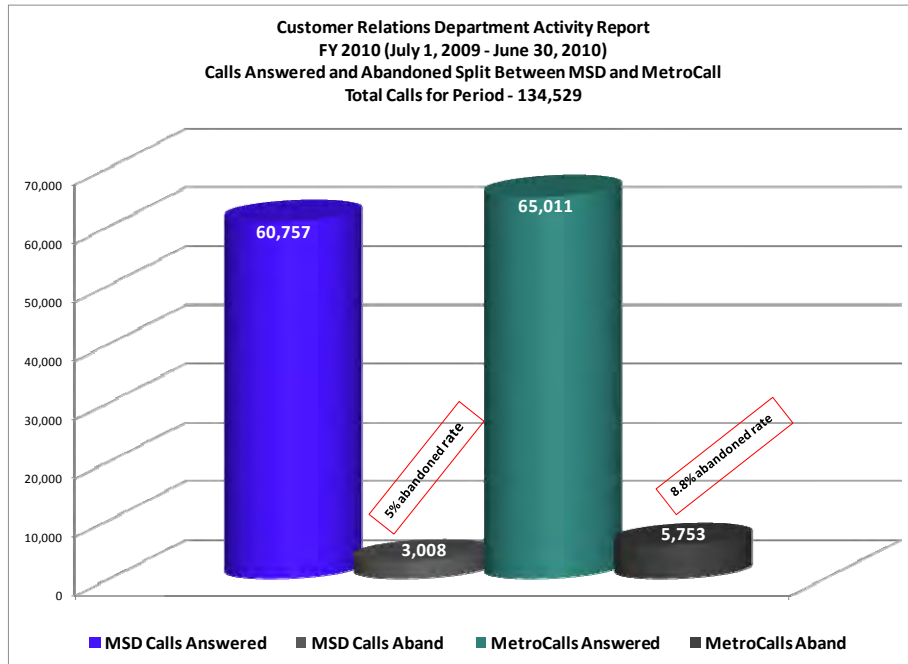
- Included a survey postcard in the annual report for readers to critique the subject matter and readability, as well as offer suggestions for future topics. The survey was also made

available on the MSD Web site at www.msdlouky.org. Responses from the survey have assisted the committee in determining whether or not we met our customer’s expectations on the information covered in the report. Results of the survey included:

- Approximately 95% of respondents agreed that they gained a better understanding of what it means for a community to be “green”.
- A little more than 90% of readers reported that they learned more about the initiatives MSD is undertaking to promote green infrastructure.
- Approximately 78% of responders found the report easy to read and understand.
- More than 95% of those responding indicated that the photography helped them to have a better understanding of MSD projects.
- Only 22% of respondents indicated they would be more likely to participate in a green community project. This finding tells us that we should consider offering additional workshops on how to create a rain garden and share information on the benefits of rooftop gardens.
- Responses from readers reflect that 32% were aware that pet waste that is not picked up contributes to stream pollution. Created flyers for distribution to increase awareness of the importance of this issue in Louisville Metro.
- Only 27% of readers were aware that using a washing machine and/or dishwasher during a heavy rain can contribute to back-ups in the sewer line. Created flyers for distribution to increase awareness of the importance of this issue in Louisville Metro.
- Only 29% of responders indicated they had an interest in receiving a text message to their cell phone when an overflow occurs.
- Approximately 71% of our readers found the flood safety tips included in the report to be helpful.

Distributed the following packets to customers:	
PMP/Downspout Disconnect	5,753
Project WIN(Since August 2009, Project WIN information is included in the PMP packet.)	5,381
Sanitary Sewer Line Replacement Program	102

Customer Relations Department FY10 Summary Service Center Walk-In Customers July 1, 2009 – June 30, 2010	
Administrative Fee	10
Assessment Payment/Payoff	109
Bill Related Requests	10
Capacity Charge Fee	18
Connection Purchased Fee	5
CSD/ Map Copies	42
Drainage Requests	15
Easement Release Fee	1
EPSC Fine	4
Field Staff Assistance	149
File Research	8
I & I Fee	8
LOJIC	34
Minor Plat Review	68
Placing Customers On Charge	334
Plan Review Fee	5
PMP/Senior Discount	55
Recapture Fees	2
Sewer Related Requests	43
Water Mgmt. File Review	4
Total Number of Service Center customers	924



FY11 Program

- Continue to pursue methods of reducing the call abandonment rate. The definitions of “call abandonment” will be reviewed with the call center software vendor to make sure the statistics that are being developed accurately reflect actual customer behaviors.
- Coordinate customer calls and meetings to disconnect downspouts in the CSO206 area.

5.1.1.10 Legal Support Programs – *The following support programs are included in this section: inter-jurisdictional agreement, ordinances, pretreatment legal support, grease control legal support, service laterals legal support, septic tank haulers legal support, and “Call Before You Dig” legal support.*

M-J-1 Inter-Jurisdictional Agreement

M-J-2 Ordinances

FY10 Program

Over the past fiscal year, the MSD legal department has provided a variety of legal services designed to support MSD in its efforts to implement programs to abate sanitary sewer overflows as required by the Amended Consent Decree. The services most directly related to this effort include:

- Deferred further work on the redraft of the Private Property Ordinance. MSD has a significant increase in participation in the voluntary Plumbing Modification Program, probably as a result of backups caused by the August 4, 2009, storm. In addition MSD has initiated a voluntary Sanitary Sewer Line Replacement Program to address many of the issues that are the focus of the draft Private Property Ordinance. Work on this ordinance may be restarted later in calendar year 2010, after the backlog of Plumbing Modification projects has been reduced and the extent of participation in the Sanitary Sewer Line Replacement Program has been assessed.
- Participated in and/or provided legal advice and other functions pertaining to the procurement of construction and professional service contractors to provide services and/or perform work in furtherance of SSO abatement related projects.
- Participated in the acquisition of properties and/or property interests (easements and/or fee simple ownership) critical to the completion of SSO abatement related sewer construction projects. The department's participation has included assisting in the negotiation and structuring of purchase and sale agreements, drafting acquisition related documents, title research, and performing or providing oversight of the closing of acquisition transactions.
- Participated in the development of MSD's Fats, Oil and Grease (FOG) program, and provided legal advice and assistance in MSD's enforcement of the program, including cost recovery and negotiation of consent decrees with commercial and industrial companies that violated program guidelines.
- Provided legal advice and comments pertaining to compliance functions necessitated by MSD's proposed MS4 NPDES permit.

FY11 Program

- Continue to provide legal services to support MSD.

M-J-3 Pretreatment

M-J-4 Grease Control

M-J-5 Service Laterals

M-J-6 Septic Tank Haulers Legal Support

M-J-7 "Call Before You Dig"

- Information on these programs is provided in **Section 1.4 NMC 3: Review and Modification of Pretreatment Programs, 5.1.2.2 Pretreatment Program, 5.1.2.4 Grease Trap Inspection and Enforcement Program, 5.1.2.7 Septic Tank Haulers Program, and 5.1.2.8. "Call Before You Dig" Program.**

5.1.1.11 Water Quality Monitoring Programs - *This section describes MSD's Water Quality Monitoring Program. The goal of this section is to maintain an accurate, consistent record of water quality in receiving bodies of water. Monitoring results are used to determine the effect of effluent discharge and/or spills through the following monitoring programs: routine water quality, investigative water quality, and water quality monitoring for spill impact.*

M-K-1 Routine Water Quality Monitoring Programs

M-K-2 Investigate Water Quality Monitoring

M-K-3 Water Quality Monitoring for Spill Impact

- Information on these programs is provided in **Section 3.4 Post Construction Monitoring Program**, for details on water quality monitoring efforts.

5.1.1.12 Contingency Plan for Sewer and Treatment Plant - *This section describes MSD's Contingency Plan for the Sewer and Treatment System. The goal of this section is to provide a protocol for emergency response and notification. The following elements are included in this section: contingency planning process, response flow diagram, public notification plan, agency notification plan, emergency flow control plan, emergency operations and maintenance plan, preparedness training program, water quality monitoring plan, and sewer overflow response protocol (SORP). The SORP requires training for all MSD employees.*

M-L-1 Contingency Planning Process

M-L-2 Response Flow Diagram

FY10 Program

- Created a new Emergency Response Division specifically designed to respond to disasters, overflows, and flood protection during significant events. Continued implementation of protocols for emergency and disaster response.
- Updated the contact list of names, phone numbers, and responsibilities for emergency and disaster response protocols.
- Created flow charts for components of the disaster response protocol document.

- Continued to train and administer Emergency Response Pretreatment Inspectors (ERPI) training for personnel to respond to possible discharges or pollution spills.

FY11 Program

- Revise the disaster response protocol document.
- Initiate planning of training for disaster response protocols and critiques of events.
- Continue to train and administer ERPI training.
- Develop work plans for FY11 and FY12 program activities.

M-L-3 Public Notification Plan

M-L-4 Agency Notification Plan

FY10 Program

- Maintained as part of the emergency and disaster response protocols, inter and intra Agency Notification Plans.
- Maintained the Public Notification Plan as outlined in the SORP. Refer to **Section 2: Program Activities for Sewer Overflow Response Protocol** for more details.

FY11 Program

- Continue to update protocols and training as outlined in **Section 2: Program Activities for Sewer Overflow Response Protocol**.

M-L-5 Emergency Flow Control Plan

M-L-6 Emergency Operations and Maintenance Plan

FY10 Program

- Updated procedures for Emergency Flow Control and Emergency Operations and Maintenance.

FY11 Program

- Continue to review the Emergency Flow Control and Emergency Operations and Maintenance procedures.

M-L-7 Preparedness Training

FY10 Program

- Administered training for SORP and Emergency Response procedures. For more detail on SORP see **Section 2: Program Activities for Sewer Overflow Response Protocol**.
- Refer to Section **5.1.1.2 Training Programs** for more details on the number of personnel trained and various preparedness training sessions.

FY11 Program

- Refer to Section **5.1.1.2 Training Programs** for more details on the goals for training in FY11.
- Continue to train and administer ERPI training personnel to respond to possible discharges or pollution spills.

M-L-8 Water Quality Monitoring Plan

- Refer to **Section 3.4 Post Construction Monitoring Program** for more details on the MSD Water Quality Monitoring Plan

M-L-9 Sewer Overflow Response Protocol (SORP)

- Refer to **Section 2: Program Activities for Sewer Overflow Response Protocol** for more details on the SORP.

5.1.2 Operations Programs

5.1.2.1 Pump Station Operations Programs - *This section describes MSD's Pump Station Operation Programs. The goal of this section is to maintain pump stations for optimal use during routine and emergency operations through well documented operating procedures.*

O-A-1 Routine Operating Programs

FY10 Program

- Approved the contract for professional services on January 25, 2010, to update the current U.S. Army Corps of Engineers (USACE) Flood Operations and Maintenance Manual. The project will update the four volumes of the operations and maintenance manuals for the Flood Pump Stations (FPS) that will reflect current operational procedures and protocols along with revisions related to changes proposed to reduce dry weather overflows. On June 28, 2010, a work order was issued to update the manuals during FY11.
- Completed the Standard Operating Procedures (SOP) for Flood Pumping Stations, that require operational changes to eliminate dry weather overflows, on July 24, 2009, and submitted to the USACE for review. These revised SOPs will be included in the USACE Flood Operations and Maintenance Manual updates discussed above.
- Submitted, as part of the IOAP, schematics recommending operating conditions at different river elevations for the combination flood/sanitary pump stations to eliminate dry weather overflows.
- Determined capital project priorities and the budgetary needs during regular meetings with Metro Operations and Regulatory Services staff.
- Continued re-testing pump stations based on the previous draw down deficiency priorities. The study information was used to prioritize the second round of draw down testing. The new draw down data was compared against the 2007 results to update the baseline operations of each pump station. MSD staff completed new draw down tests

on 107 pump stations. The testing was expanded to include an assessment of the mechanical and electrical equipment at each station. The Drawdown Investigation Evaluation Team (DIET) was created using MSD staff to complete the assessment. The team consists of two mechanics, electrician, operations supervisor and an engineering technician. A site assessment checklist was created and electronic forms were created for data collection. The data collected to date has been documented in a spreadsheet that uses logic statements to filter the data in an effort to prioritize rehabilitation projects. Operations staff brings equipment and tools to perform corrective maintenance activities as needed. Corrective actions that cannot be completed during the assessment are documented so that a capital project can be created.

- Ordered an ISCO 4501 Pump Station Flow Monitor. This device was purchased to help staff 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 returned to MSD in June 2009. MSD staff was still unable to get the unit working. ISCO representative picked up the unit in July and determined a faulty USB serial port connection was the problem. The unit was returned to MSD and installed at the Meadow Stream Pump Station on September 25, 2009. The unit collected pump station draw down data for three weeks.
- Evaluated the ISCO 4501 Pump Station Flow Monitor. On October 19, 2009, the unit was removed from the Meadow Stream Pump Station and the draw down data was recovered from the unit for analysis. The data obtained needed a third party software for evaluation, a modeling program was used to review the data. MSD will continue to use the unit to evaluate pump stations on a case by case basis. To date, the evaluation has determined the unit will not be a valid tool for day to day pump station operations due to the need for use of a third party to disseminate data.

FY11 Program

- Complete the update to the USACE Flood Operations and Maintenance Manual and submit to the USACE for their review by June 30, 2011.
- Finalize the SOPs for the flood pump stations that will eliminate dry weather overflows without necessary pump station modifications. The work will be included in the USACE Flood Operations and Maintenance Manual update project. A meeting is scheduled August 10, 2010, 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 staff to start implementing these changes with the revision of the USACE Flood Protection System O&M updates. See **Section 1.6 - NMC 5: Elimination of CSOs During Dry Weather**.
- Continue regular meetings with operations and maintenance staff to determine capital project priorities and advise on the budgetary needs on a quarterly basis.
- Continue re-testing pump stations based on the previous draw down deficiency priorities. The data collected will be used to prioritize rehabilitation and replacement projects

- Establish SOPs and job aides for Regional Pump Stations. This will include the development of action plans for wet/dry weather capacity issues at pump stations and conducting annual pump station field training. Drafts to be completed by June 30, 2011.
- Perform system optimization exercises as outlined in **Section 1.6 - NMC 5: Elimination of CSOs During Dry Weather**. Install flow meters to assist with this initiative.
- Provide backup power at critical pump stations based upon the previously performed prioritization, as described in Section O-A-2 Emergency Operating Programs.

O-A-2 Emergency Operating Programs

FY10 Program

- Emergency Generator Program Phase 3 (Budget ID H09337) – Continued MSD's emergency generator program by collecting operational and maintenance data for MSD's 280+ pump stations to prioritize sites for generator installation. Data collection included frequency of power outages, over flows (including basement back-ups) and hauling events. This data was graphed with pump station horsepower requirements for the selection process. The list was narrowed down further by looking at site access, how far a pump station is from a maintenance facility, generator installation costs and whether a pump station could be eliminated. For the next phase of the program, 30 pump station sites with 10 in each of the three (East, Central and West) Metro Operations regions will have generator installations. In FY10, staff selected 12 sites, four from each region, for generator installations.
- East Region Emergency Generator Project (Budget ID H10082) – Created project to install permanent stand-by natural gas generators at the following MSD pump stations: Brittany Woods Circle, Devondale, Fairway View Court, and Saurel Drive. MSD Board awarded the project on October 12, 2009, and a notice-to-proceed for construction was issued on November 28, 2009. Generators have been installed at four sites and staff training on four sites has taken place. Additional landscaping has been added at the Brittany Woods site per discussions with the area neighborhood association. Delays occurred at each site due to installation of the natural gas service lines and final start-up testing. Generators have been accepted by MSD except Devondale. Existing poor gas pressure at the site is delaying final testing and start-up. During FY11, it is anticipated that the gas pressure issues will be resolved and final acceptance at Devondale will occur.
- West Region Emergency Generator Project (Budget ID H10084) – Created project to install permanent stand-by natural gas generators at the following MSD pump stations: Francell Court, Park Ridge Woods, Sunlight and Tree Line. MSD Board awarded the project on October 12, 2009, and a notice-to-proceed for construction was issued on November 18, 2009. Generators have been installed. Delays occurred at each site due to installation of the natural gas service lines and final start-up testing. Due to high costs associated with extending the existing natural gas line to the Tree Line site, the generator at that site was switched to diesel. Additional landscaping was added at the Francell Court site per discussions with the area neighborhood association. Four generator sites have been tested and approved by MSD. Training has taken place on

the four sites. During FY11, landscaping at Francell Court will take place in the Fall when the weather is more conducive to plant survival.

- Central Region Emergency Generator Project (Budget ID H10083) – Created project to install permanent stand-by generators at the following MSD pump stations: Griffytown #1, Middletown Christian Village, Monticello Place and Six Mile Lane. MSD Board awarded the project on November 13, 2009, and a notice-to-proceed was issued on November 23, 2009. MSD held a pre-construction meeting on December 22, 2009. All generators have been installed. Delays occurred at each site due to installation of the natural gas service lines and final start-up testing. Due to high costs associated with extending the existing natural gas line to the Six Mile site, the generator at that site was switched to diesel. Four generator sites have been tested and approved by MSD. Training has taken place on the four sites.
- Terrier Lane PS Generator (Budget ID H09337) – Issued an emergency purchase order was issued on September 22, 2009, for a 30KW stand-by generator. The generator was delivered to MSD on November 9, 2009. MSD staff completed the installation and testing on November 19, 2009.
- Chenoweth Hills WQTC Generator (budget ID H09337) – Investigated and tested an existing 250 KW generator salvaged from the elimination a regional pump station. Testing showed the generator met the demand of the Chenoweth Hills WQTC. The generator was permanently installed on site by MSD staff.
- Berrytown WQTC Generator (budget ID H09337) – Investigated and tested an existing 80 KW generator salvaged from the elimination a small package waste water treatment plant. Testing showed the generator met the demand of the Berrytown WQTC. The generator was permanently installed on site by MSD staff.
- Reviewed sites for the next round of generator installations. The following four sites in the West Operational Region were selected: Caven, Wathen, Villa Anna and Shady Villa Pump Stations. Staff collected site data and began developing specifications and bid documents for each site.
- Greenline Analysis - Continued to evaluate the Greenline technical memo's documentation of the lowest home opening elevations and confirmed pump station as-constructed information. Greenline pump stations were prioritized under the program to complete new draw down tests and pump station site assessments. The data from this effort has been collected and will be used to plan future rehabilitation projects. The future rehabilitation work will also correct any pump station operation level settings to prevent line surcharging. MSD received the final technical memorandum for Greenline - East Region analysis. MSD received the final technical memorandum for Greenline - Central Region analysis. This technical memo documents field home lowest opening elevation surveys and confirmed pump station as-constructed information.

FY11 Program

- Continue to review lowest home opening elevations and confirmed pump station as-constructed information for the West Region. Select other sites not included under the original Greenline Analysis. Staff will prioritize which of these sites shall be included in

the analysis. Begin planning and implement field corrections, based on the field information obtained from the lowest home elevations and the as-constructed information, to prevent future home back-ups. Adjust pump station operating levels and install level sensors. Evaluate a wet well level gauge for each pump station site to help in O&M.

- East Region Emergency Generator Project (Budget ID H10082) – Complete final start-up testing at the Devondale PS site.
- West Region Emergency Generator Project (Budget ID H10084) – Complete the final restoration at the Francell Court PS site.
- Greenline Analysis – Analyze information on lowest opening size and confirmed pump station as-constructed information and prepare recommendations for operation and pump station changes to prevent home flooding.
- Complete design and bid documents for the next round of generator sites mentioned above (Caven, Wathen, Villa Anna and Shady Villa Pump Stations). Use FY11 generator program funds to complete installation at these sites. Create Emergency Generator Phase 4 projects from remaining FY11 program funds.

5.1.2.2 Pretreatment Program - *This section describes MSD's Pretreatment Programs. The goal of this section is to protect MSD's sewer system and treatment plants by requiring industrial users to pre-treat their effluent to required levels through industrial user permitting, inspection and sampling and enforcement.*

O-B-1 Industrial User Permit

O-B-2 Inspection

O-B-3 Sampling Enforcement

FY10 Program

- Administered pretreatment limitations at 5 of its 6 regional WQTCs, 1 of which is in the combined sewer system – Morris Forman WQTC. Additional information related to the MSD Pretreatment Program for the combined sewer system can be found in **Section 1.4 NMC 3: Review and Modification of Pretreatment Requirements**.
- Performed 231 inspections of Significant Industrial Users (SIU).
- Experienced one interference due to an industrial source when an SIU discharged a slug of nickel to the Morris Forman WQTC, thus causing the effluent levels for nickel to exceed allowable limits and suspend manufacturing of the Louisville Green biosolid product.
- Issued 34 NOVs to SIUs.
- Assessed 3 fines/cost recoveries for Water/Storm Water Discharge Regulation (WDR) violations. Negotiations are still underway for the fine amount.
- Documented a 6% rate of Significant Noncompliance. (5 of the 85 SIUs)
- Initiated 281 FOG related enforcement actions.
- Completed CSO/SIU dry weather sampling as part of NMC #3.

FY11 Program

- Continue CSO/SIU dry weather sampling as part of NMC #3.
- Continue to inspect SIUs.
- Continue to enforce FOG compliance.

5.1.2.3 Corrosion Controls Program - *This section describes MSD's Corrosion Controls Program. The goal of this section is to extend the life of MSD's sewer system by controlling the corrosive effects of Hydrogen Sulfide and other corrosive chemicals in the system through inspection, control measures, monitoring, and performance measures.*

O-C-1 Inspection

O-C-2 Control Measures

O-C-3 Monitoring

O-C-4 Performance Measures

FY10 Program

- Continued to clean MSD facilities to reduce odors.
- Recorded service requests for Operations into two groups: those that are associated with the Morris Forman WQTC will use the code of MFF and those associated with the remaining WQTCs and Pump Stations will use the code of MOP.

FY11 Program

- Continue to clean MSD facilities to reduce odors.
- Continue program development with the following activities:
 - Develop project team and meeting schedule to investigate corrosion.
 - Research corrosion programs in other cities.
 - Research technologies for corrosion abatement.
 - Collect and review system information from: ARV/force main inspections, SSES/ICA results, and IWD knowledge.
- Continue to assess the system with the following activities:
 - Define corrosion inspection areas.
 - Perform a GIS exercise to determine "hot spots" for corrosion.
 - Train CCTV Inspection Staff on the coding associated with corrosion issues to remain in compliance with the PACP standards.
 - Perform inspection on a pilot area.
- Enhance asset review and documentation with the following activities:
 - Capture data in PACP format.
 - Produce a report detailing corrosion activities in FY11.

5.1.2.4 Grease Trap Inspection and Enforcement Program - This section describes MSD's Grease Trap Inspection and Enforcement Programs. The goal of this section is to reduce the amount of fats, oils and grease (FOG) that enter MSD's sewer system and treatment plants through permitting, inspection, enforcement, performance measures, and the FOG program.

O-D-1 Permitting

O-D-2 Inspection

O-D-3 Enforcement

O-D-4 Performance Measures

O-D-5 FOG

FY10 Program

- Advertised information regarding grease hauler certification in the Fall 2009, edition of PREP Magazine, which is a Food Service Establishment industry journal.
- Distributed FOG related information to the general public at the annual Jeffersontown Gaslight Festival, September 18-20, 2009.
- Conducted a training class for the MSD Certified Grease Waste Hauler/Plumber Program on September 29, 2009.
- Distributed FOG Program related information to Food Service Establishment (FSE) representatives at the annual Kentucky Restaurant Association Exposition on October 21-22, 2009.
- Conducted a Certified Grease Waste Hauler Training session on March 31, 2010, and May 25, 2010.
- Attended a Kentucky Division of Plumbing Code Committee meeting on May 11, 2010, to discuss addition of the Great Basin GB-250 grease interceptor and Trapper II grease trap to the Kentucky Plumbing Code list of approved grease trap designs.
- Presented requirements of the FOG Program to the Louisville Bar Association on June 22, 2010.
- Conducted FOG Hot Spot Reconnaissance in May and June, 2010. Twelve areas were televised. MSD conducted concurrent inspections at 31 online FSEs and issued 4 Field Correction Notices due to poorly maintained Grease Control Equipment (GCE). A total of 15 sewer line segments were flushed due to the presence of light to medium grease; however, no grease blockages were detected in the public sewer.



- Issued 298 enforcement actions against FSEs for FOG violations found during reconnaissance and follow-up inspections conducted at FSEs that recently failed certification by an approved MSD Certified Grease Waste Hauler, as well as collection system grease blockage incidents.
- Mailed 1280 FOG residential public outreach letters to residents in neighborhoods in the MSD service area that had FOG issues.
- Mailed 3630 FOG commercial public outreach letters and FOG brochures to FSEs in the MSD service area.
- Removed 1,657,255 gallons of FOG from GCE at FSEs in the MSD service area.
- Conducted 8 Certified Grease Waste Hauler audits.
- Started tracking and reporting FOG Program performance measures.
- Documented details on the MSD FOG Inspection Program for the CSS in Section **1.4 NMC 3: Review and Modification of Pretreatment Requirements.**

FY11 Program

- 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.
- Administer the next round of Certified Hauler/Plumber Training.
- Distribute educational materials to FSEs in MSD’s service area.
- Distribute FOG related information to the general public at the annual Jeffersontown Gaslight Festival.
- Distribute FOG Program related information to member FSEs representatives at the annual Kentucky Restaurant Association Exposition.
- Advertise in the Fall and Spring editions of PREP Magazine, which is a FSE industry journal.
- Track gallons of FOG removed from FSE grease control equipment as it is reported by Certified Grease Waste Haulers.
- Continue to send FOG residential public outreach letters to residents in neighborhoods in the MSD service area that had FOG issues.
- Plan and schedule an outreach event for FSEs in the MSD service area.
- Finalize program performance measures and begin tracking.
- Initiate Certified Grease Waste Hauler audits.

5.1.2.5. New Connection Tap-In Program - *This section describes MSD’s New Connection Tap-In Program. The goal of this section is to ensure that future connections do not compromise the capacity of the receiving treatment plant. The program is implemented using a new service taps approval process, inspection, enforcement, and performance measures.*

O-E-1 Installation of New Service Taps

O-E-1 Inspection

O-E-1 Enforcement

O-E-1 Performance Measures

O-E-5 Other

FY10 Program

- Received plans for 113 projects in FY10. Treatment plant capacity is reviewed prior to approval of any plans based on the SCAP.
- Inspected sewer installations. 83 new property service connections were installed.

FY11 Program

- Continue to review projects for capacity availability.

5.1.2.6 Flow Monitoring Field Operation Programs - *This section describes MSD's Flow Monitoring Field Operation Programs. The goal of this section is to provide accurate flow data for use in evaluating various aspects of MSD's sewer system. Flow is monitored at both permanent and temporary stations.*

O-F-1 Permanent Stations

O-F-2 Temp Stations

- Refer to **Section 3.4 Post Construction Monitoring Program** for details on water quality monitoring efforts.

5.1.2.7 Septic Tank Haulers Program - *MSD does not accept septic tank waste. This is handled through private contractors in Jefferson County.*

5.1.2.8. "Call Before You Dig" Program - *This section describes MSD's "Call Before You Dig" Program. The goal of this section is to prevent the damaging or cutting of sewer lines and subsequent spills through permitting, inspection, enforcement, and performance measures.*

O-H-1 Permitting

O-H-2 Inspection

O-H-3 Enforcement

O-H-4 Performance Measures

FY10 Program

- Contracted for BUD markings of our facilities. In FY10 the locating contractor was paid \$376,467 to locate our facilities. MSD also paid the KY811 (BUD Center) \$65,032 to participate in this program. In FY10 MSD's locating contractor processed 53,118 requests to mark MSD facilities. MSD made 2,640 requests to the BUD Center for the marking of other utilities in FY10.
- Created 28 Discharge Work Orders, in FY10, for overflows caused by other utilities damaging MSD facilities.

FY11 Program

- Continue to contract for this service.

5.1.3 Maintenance Programs

5.1.3.1 Pump Station Preventive Maintenance - *This section describes MSD's Pump Station Preventive Maintenance program. The goal of this section is to prevent unanticipated repairs and subsequent down-time by providing scheduling, staff, and records to perform routine, preventive pump station maintenance. Electrical, mechanical, and physical maintenance are included in this section.*

S-A-1 Electrical

S-A-2 Mechanical

S-A-3 Physical

FY10 Program

- Continued the process of updating the preventive maintenance and inspection plan for flood pump stations based on a review of the USACE Inspection Guide. Staff is using the Hansen asset management system to track Flood Pump Station work orders as well as associated flood pump station assets such as station related floodgates.
- Continued the inspections on pump station sites that have deficiencies determined during the Draw Down and Greenline Programs. To date, 107 pump stations have been inspected. These two programs identify deficiencies in pump performance and evaluate potential improvements possible by modifying set-points in the level controls. Staff proactively inspected critical equipment on site during these inspections. Check lists were created to document the inspection and list corrective actions needed. Corrective work orders were issued as needed.
- Trained Metro Operations staff on October 29, 2009, for the setup of PM work orders for factoring pump stations.
- Completed the WQTC process equipment inventory in Hansen and started inventory data input.
- Started using Hansen for preventive maintenance task and corrective work orders for sewer lift stations. The model for the WQTC inventory has been developed.
- Developed task lists to facilitate the inspections of the pump stations.

FY11 Program

- Conduct additional Hansen training for Metro Operations staff, as more PM processes are converted to Hansen.
- Perform inspections on pump station sites that have deficiencies determined during the Draw Down and Greenline Programs. These two programs relate only to pump performance and level controls. Staff will proactively inspect critical equipment on site during the inspections. Check lists will be created to document the inspection and list corrective actions needed. Corrective work orders will be issued as needed.
- Begin the planning to enhance operations and maintenance (O&M) manuals for existing pump stations that do not have formal O&M manuals. Staff will prioritize pump stations in the Greenline Program. Goal will be to complete 12 new O&Ms during FY11.

5.1.3.2 Force Main Preventive Maintenance - *This section describes MSD’s Force Main Preventive Maintenance program. The goal of this section is to prevent unanticipated repairs and subsequent down-time by providing scheduling, staff, and records to perform routine, preventive force main maintenance. The maintenance programs include air release valves and valve exercise and walking the line to find cave-ins on the force main.*

**S-B-1 Air Release Valves
S-B-2 Valve Exercise Program**

FY10 Program

- Completed inspections on the following force mains:

Monticello	Tucker Lakes
Mockingbird Valley	Lake Forest
Bridgepoint	Jarvis Lane
West County	Berrytown
Dominion Way	Crossgate
Brandywyne	Edith Avenue
Denbeigh	Apple Patch
Cypress Springs	John Hancock
Creel Lane	Riding Ridge
Lucas Lane	Ohio River
Rubbertown	Bluegrass Fields
Grand Lakes	

- Created valve repair work orders on identified problems.
- Conducted the annual force main program evaluation on December 14, 2009.

FY11 Program

- Schedule the following force mains for inspection:

Rubbertown	Bircham Road
Olde Copper Court	John Hancock
Hillsdale	Riding Ridge
Ohio River Force Main	Hensley
Marina View	Old Brownsboro Crossing
West County	Meadowstream
Jefferson Hill	Tree Line
Louisville Boat Club	

- Complete the annual force main evaluation by December 31, 2010. Adjustments to the inspection schedule will be made based on conditions observed during the inspection cycle.

5.1.3.3 Gravity Line Preventive Maintenance - *This section describes MSD's Gravity Line Preventive Maintenance program. The goal of this section is to reduce infiltration and increase efficiency of the gravity line system through routine cleaning, root control, and manhole preventive maintenance.*

S-C-1 Routine Hydraulic Cleaning

S-C-2 Routine Mechanical Cleaning

S-C-3 Root Control Program

S-C- 4 Manhole Preventive Maintenance

- Refer to **Appendix I – FY10 CSSA Annual Report** for more details on the Gravity Line Preventive Maintenance Program.

5.1.3.4 Equipment and Collection System Maintenance - *This section describes MSD's Equipment and Collection System Maintenance program. The goal of this section is to maximize the efficiency of the collection system by maintaining the supporting equipment.*

S-D-1 Equipment Maintenance

FY10 Program

- Scheduled preventive maintenance on mobile trash pumps during periods when no rain was forecast for an extended period of time, maintaining 100% availability when needed for wet weather pumping.
- Developed performance metrics and tracking systems to ensure critical equipment is available when needed.

FY11 Program

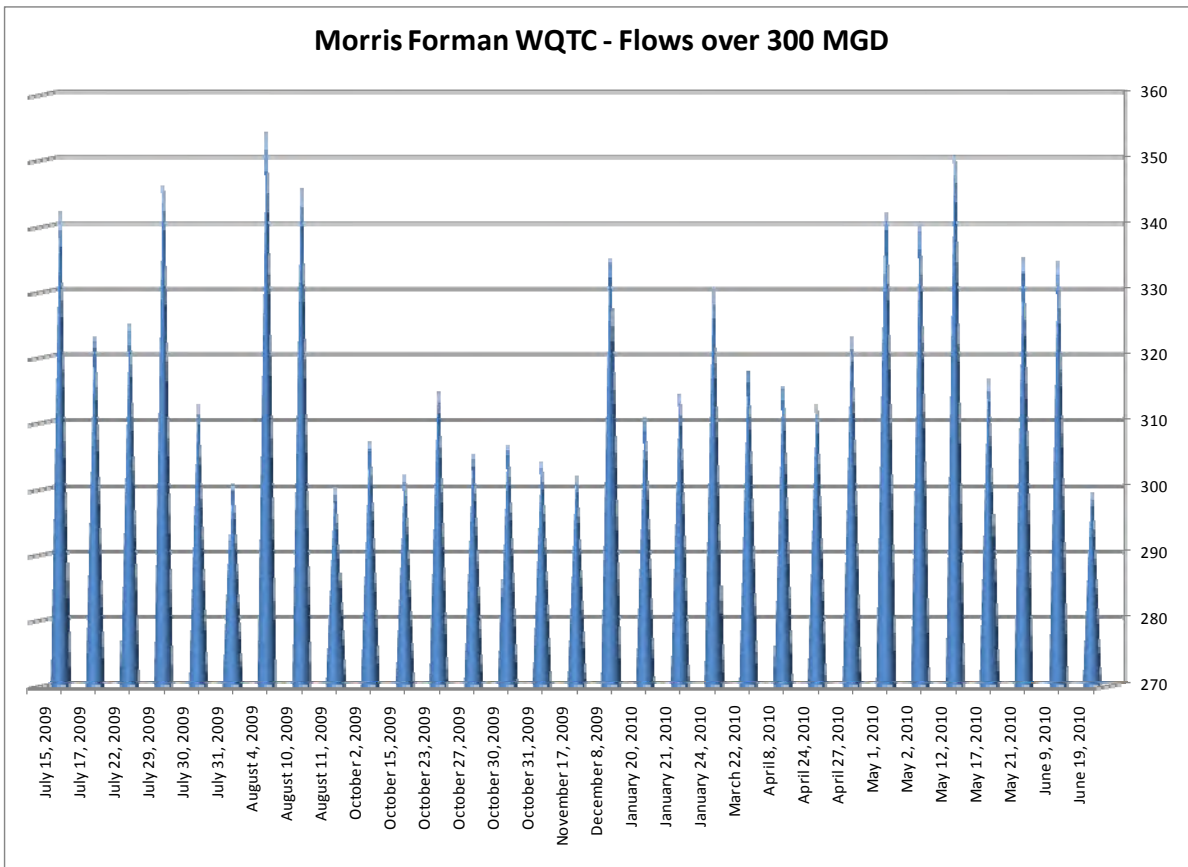
- Continue to implement FASTER to report on performance metrics to ensure the critical equipment is available when needed.

SECTION 6: Program Activities for Water Quality Treatment Centers

6.1 Regional Water Quality Treatment Center Updates

6.1.1 Morris Forman Water Quality Treatment Center

- Documented 31 days during FY10 where the peak flow was over 300 MGD at the Morris Forman WQTC. In the FY10 quarterly reports, MSD previously reported a total of 29 days where peak flow was over 300 MGD. The additional two days were found during data review for the Annual Report.



- Documented 4 KPDES permit violations at Morris Forman WQTC during FY10. A review of the previous four Quarterly Reports noted that only two of those violations were discussed in the Quarterly Reports. This Annual Report documents all four of the violations that occurred during Fiscal Year 2010. There were 3, 7-day fecal coliform violations during the following months: August (August 4 through August 10, 2009), September (September 22 through September 28, 2009) and May (May 4 through May 10, 2010). The fourth violation occurred on June 12, 2010, after an exceedance of the permitted maximum daily chlorine total residual (TRC) occurred. The following describes the cause of each violation, and MSD's actions to correct the conditions that resulted in the violation:

- The first violation (fecal coliform bacteria limits) on August 4, 2009, was due to the failure of the device that mixes sodium hypochlorite with the effluent. Without the mixing device, the applied sodium hypochlorite was not as effective, and sampling during this time showed high fecal coliform numbers. This device was fixed within 1 day, and samples taken after the repair confirmed that fecal coliform values returned to compliance.
- The second violation (fecal coliform bacteria limits) on September 22, 2009, was attributed to successive days of continuous wet weather. High flows reduced the contact time for disinfection, and cooler water temperatures associated with extended precipitation reduced the effectiveness of sodium hypochlorite. To minimize the risk of future occurrences, refresher training was provided to the operators October 7, 2009, to ensure MSD is dosing and sampling in accordance with proper procedures and technique.
- The third (fecal coliform bacteria limits) violation on May 4, 2010, was also attributed to high plant flow rates that occurred during the first week in May after an excessive rainfall (5+ inches) event occurred on May 1 through May 2, 2010. High plant flows reduced the contact times for disinfection and reduced fecal coliform kill rates. Feed and mixing equipment was functioning normally and chlorine residuals were within normal rates.
- The fourth violation (total residual chlorine) on June 12, 2010, was due to the failure of the device that mixes sodium hypochlorite and the chlorine neutralizing chemical (sodium bisulfate) with the effluent. The situation was monitored and after a similar one day exceedance occurred in July, 2010, it was determined that one of the two hoses which mix the sodium hypochlorite with the plant effluent was damaged. This damaged hose prevented uniform mixing of the sodium hypochlorite with the effluent. The hose was replaced on July 8, 2010.
- Issued a notice-to-proceed on March 29, 2010, for the Morris Forman WQTC Wet Weather Operations Standard Operating Procedures (SOPs) update project. This project consists of six independent tasks that will help enhance wet weather operations at the Morris Forman WQTC. On April 7, 2010, a kick-off meeting was held with staff to review the project scope, discuss schedules and define individual roles for the six tasks. Prior to June 30, 2010, the existing data collections and planning activities were completed. A series of workshops and staff process review meetings will be held during FY11 to develop the enhanced SOP. Final SOP is anticipated to be completed by December 31, 2010. Training on the enhanced SOP will occur prior to June 30, 2011, and will be administered annually.

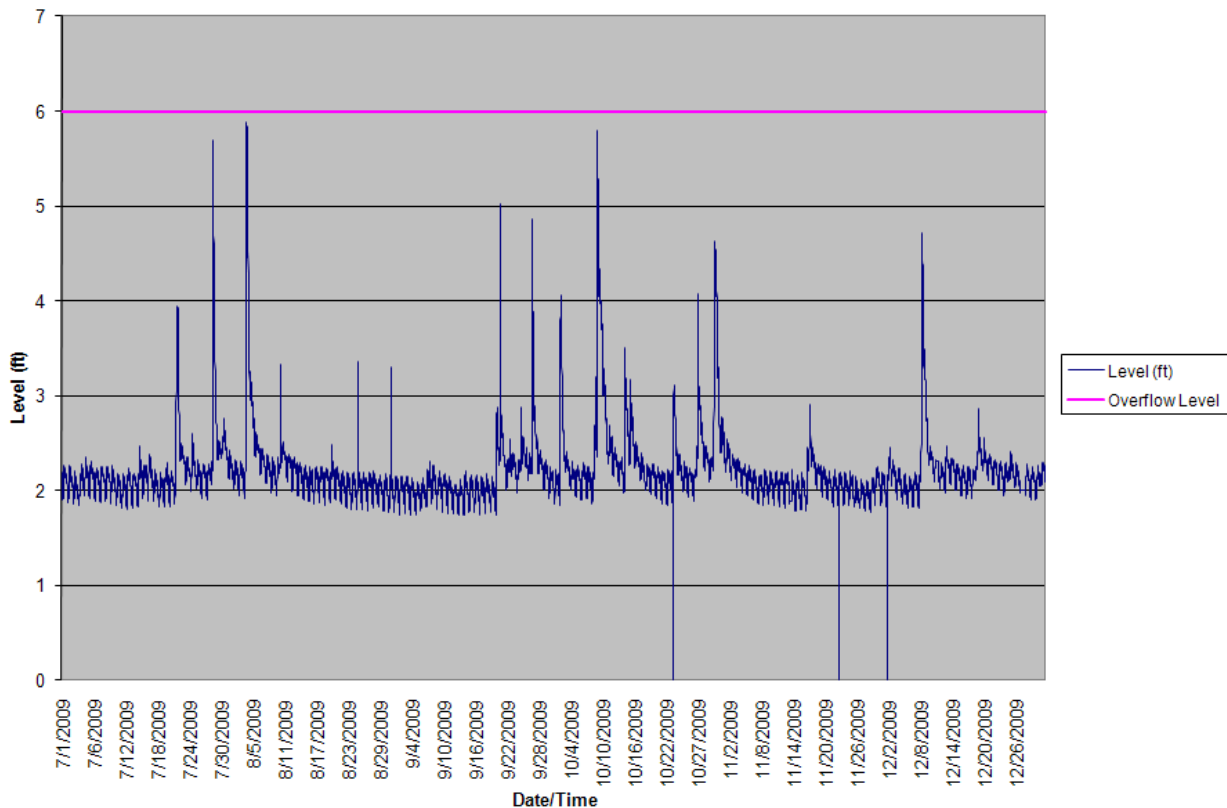
6.1.2 Jeffersontown Water Quality Treatment Center

MSD submitted a Jeffersontown WQTC Process Control Plan 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

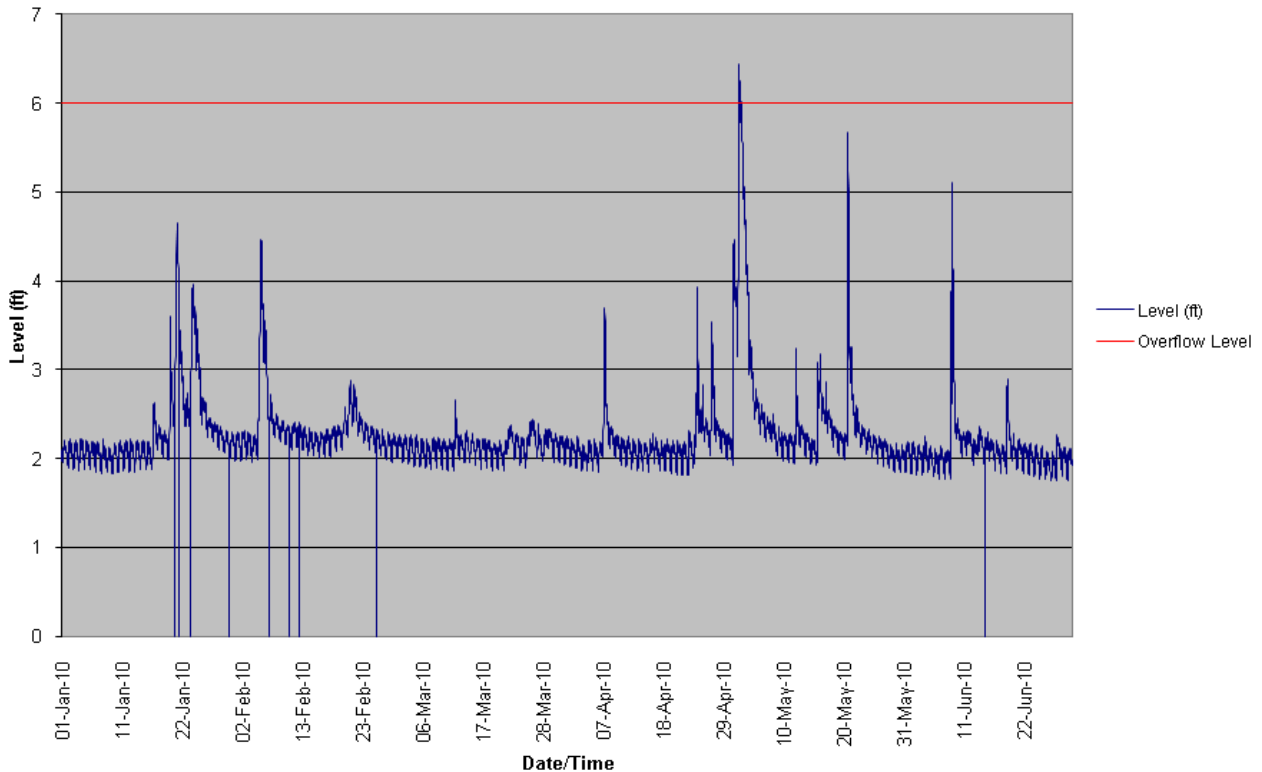
received conditional approval of this document from EPA on April 1, 2009, pending finalization of the Amended Consent Decree that was under consideration by the Federal Court at the time the Process Control Plan was submitted. The Process Control Plan was accepted by the Federal Court and incorporated by reference into the Amended Consent Decree by an Order signed February 12, 2010, that was entered into public record February 15, 2010.

- Reported 16 blending events at the Jeffersontown WQTC during FY10. The total blended amount, from the events, reported and documented on the Project WIN webpage was 18,409,174 gallons.
- Conducted nine inspection routes for the Jeffersontown siphon during FY10. The inspections were completed on the following dates: August 2, September 20, October 9, 2009, and January 21, 24, February 5, May 1, 21, June 9, 2010. No overflows were identified during these inspections from the siphon or associated manholes, despite the level on May 1, 2010, coming very close to the level that could result in an overflow. The following graphs are shown in six month intervals for clarity.

7/1/2009 – 12/31/2009 Jeffersontown Siphon Level



1/1/2010 – 6/30/2010 Jeffersontown Siphon Level



- Completed Peracetic acid testing. The testing did not identify significant advantages to the use of peracetic acid. Given the costs and potential safety concerns with materials handling, MSD will not pursue the use of peracetic acid disinfection.
- Conducted refresher training on the use of the Wet Weather SOP, including processes for the manual input of LIMS data, as an interim measure pending establishment of the automated data transfer links.
- Jeffersontown Siphon Access Road (Budget ID # H08400) – Installed an access road for the Jeffersontown siphon. This project was developed to provide a paved access road up to the siphon structure for cleaning and maintenance. The asphalt road was installed in an existing easement under a small purchase contract and was constructed in the first 2 weeks of December, 2009.
- See **Section 6.5.1** for an update on the Comprehensive Performance Evaluations (CPE) /Composite Correction Plans (CCP) projects for the Jeffersontown WQTC.

6.1.3 Hite Creek Water Quality Treatment Center

A waste load allocation request for the Hite Creek WQTC was submitted to the KDEP 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 KDEP on June 10, 2009. Prior to June 30, 2010, MSD initiated negotiations with a consultant to assist in developing an amendment to the North County Action Plan Update. MSD will finalize negotiations and issue a notice-to-proceed for the action plan update by December 31, 2010.

- See **Section 6.5.4** for an update on the CPE/CCP projects for the Hite Creek WQTC.

6.1.4 Floyds Fork Water Quality Treatment Center

In October 2008, MSD completed a Preliminary Engineering Report for the Phase 2 expansion of the Floyds Fork WQTC to an average daily design flow of 6.5 MGD. MSD received Board approval to award a contract for design services to complete the design of the Phase 2 expansion of the Floyds Fork WQTC, to an average daily design flow of 6.5 MGD in January 2010. The design continued through the second quarter of 2010, reaching a 50% design stage. The design team met with the KDEP in June 2010, to discuss the elements of the proposed design along with construction permit and KPDES permit requirements. During FY11, 100% design will be completed and upon approval of a waste load allocation request, bidding activities will be completed and construction will begin.

6.1.5 Derek R. Guthrie Water Quality Treatment Center

- See **Section 3.2.2** for an update on the design and construction of the three projects that make up the Derek R. Guthrie WQTC Wet Weather Equalization and Treatment Project (Budget IDs multiple).

6.1.6 Cedar Creek Water Quality Treatment Center

- See **Section 6.5.3** for an update on the CPE/CCP projects for the Cedar Creek WQTC.

6.2 Prospect Area Water Quality Treatment Center Updates

Submitted the elimination plan, for the five WQTCs serving Prospect, (Hunting Creek North, Hunting Creek South, Ken Carla, Shadow Wood and Timberlake), to EPA and KDEP on March 31, 2009. Received approval of this plan on September 24, 2009, and work is proceeding on the projects defined in the IOAP.

- See **Section 3.2.3** for an update on the design phase of the Prospect #1 - WQTC Elimination Project (Budget IDs multiple).
- Explored alternative methods of delivery of the sodium aluminate needed for phosphorus removal. Previous feed system operations require a weekly delivery of chemical by MSD staff at four of the five sites. The sites have physical challenges that prevent bulk storage on site and limit the type of drum delivery to the site. MSD completed the planning to get an outside service provider to supply MSD with the chemical. Bids were received in December 2009, and MSD awarded the chemical supply and delivery contract for the supply and delivery of the drums to each site, at a lower per pound rate than currently contracted. MSD completed the planning to purchase spill containment systems and equipment to prevent freezing of the chemical solution, for WQTC sites except Ken Carla. Price quotes were obtained and the new spill containment systems were installed to allow sodium aluminate at the sites to be protected from freezing and provide a more reliable inventory of the chemical on site. MSD staff also installed

weather protection on the feed systems at the plant sites. This project was completed on June 30, 2010.

- Conducted phosphorous effluent testing during FY10 that has shown that each of the five Prospect WQTCs were below the 1.0 mg/l effluent limit. Reported the phosphorus monitoring data for the five WQTCs, including the calculation of monthly averages in **Appendix G**. Charts showing the monthly averages for phosphorous are included in **Section 7.7 – Phosphorous Monitoring at the Prospect WQTCs**.

6.3 Other Small Water Quality Treatment Center Updates

6.3.1 Starview Water Quality Treatment Center

- Rehabilitated and installed an existing 80 KW generator (from the eliminated Polo Fields site) at the Starview WQTC. Poured a new generator pad and completed electrical site modifications. Installed, tested, and accepted the generator in November 2009.

6.3.2 Chenoweth Hills Water Quality Treatment Center

- Rehabilitated and installed an existing 250 KW generator (from the eliminated Freeway Reserve Pump Station site) at the Chenoweth Hills WQTC. Poured a new generator pad and completed electrical site modifications. Installed, tested, and accepted the generator in November 2009.

6.3.3 Chenoweth Run Water Quality Treatment Center

- See **Section 6.5.2** for an update on the CPE/CCE projects for the Lake Forest WQTC.

6.3.4 Timberlake Water Quality Treatment Center

- See **Section 6.5.5** for an update on the CPE/CCE projects for the Timberlake WQTC.

6.3.5 McNeely Lake Water Quality Treatment Center

- Completed planning and design of a new collection box with bar screen to protect the influent pumps. Currently there is no means to capture debris from the existing 12-inch diameter influent line ahead of the influent pump station. Design drawings were created for the modifications. A meeting was held on June 4, 2010, with three contractors to obtain quotes for the project. Several questions came up during the meeting and the drawings required revisions. Revised drawings were received by June 30, 2010. During FY11, MSD will advertise the project, award a small purchase order and issue a notice-to-proceed to install the new collection box and bar screen.
- Discussed the structural integrity of the above ground metal tanks at the site. Several locations on the tanks have rusted and are starting to leak. Staff repaired locations that were leaking. MSD will meet on site with a structural consultant and discuss having a detailed structural condition assessment of the site. A technical memorandum will be prepared by November 30, 2010, recommending necessary solutions to repair the tankage. Based on the memorandum, MSD will complete final design of the necessary structural improvements needed at the site and begin planning for the bidding and construction phases of the structural improvements.

6.3.6 Silver Heights Water Quality Treatment Center

- Conducted meetings in June, 2010, to discuss replacing the existing aeration system and installing mechanical aeration. This work will require professional engineer-certified drawings for a permit modification submittal. During FY11, MSD will have a consultant review the site and prepare a technical memorandum detailing work and costs associated with the aeration process modifications. Based on the memorandum, MSD will complete final design of the necessary structural improvements needed at the site and begin planning for the bidding and construction phases of the structural improvements.

6.4 Monitoring, Record-Keeping and Reporting

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 in the section labeled Water Quality Treatment Center Reports.

MSD continued to work towards the creation of electronically generated DMRs. This requires coordination with KDEP, upgrades to the LIMS system and the modification to internal tools. The LIMS upgrade started in September 2009. The new software has been installed and MSD staff has entered the testing phase of this project. Electronic generation of paper copies of the DMRs for the regional WQTCs began in January 2010. MSD is working towards installation of an upgraded LIMS software version that is expected to simplify generation of the electronic DMRs. It is expected that the upgraded LIMS software will be installed and in use prior to December 31, 2010.

6.5 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 (CPE) and Composite Correction Plans (CCP) 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. Verbal approval of the CPEs was received on September 23, 2009. The CPEs and CCPs were accepted by the Federal Court and incorporated by reference into the Amended Consent Decree by an Order signed February 12, 2010, that was entered into public record February 15, 2010.

The following text describes progress on the Type 1 and Type 2 activities outlined in the approved CPEs.

6.5.1 Jeffersontown Water Quality Treatment Center

- Completed an SOP for operation of the Plant No. 1 aeration basins in parallel flow (rather than sequential plug flow as operated now), trained the Jeffersontown WQTC staff on this SOP and began operating in this mode. Completed the evaluation of the effectiveness of the parallel plant operating mode on May 31, 2010. MSD concluded

that the parallel plant operating mode appeared to be beneficial based on operation during a limited number of wet weather events. The revised new SOPs for this operating mode were included into the wet weather SOP and the overall plant operations and maintenance manual modifications were completed and submitted to MSD on June 30, 2010. During FY11, MSD will self monitor this parallel plant operating mode through additional wet weather events to see if it is sufficiently beneficial to warrant the added operational complexity. If the parallel plant operating mode evaluation concludes that this operating mode does not meet MSD's long-term objectives, an operating strategy will be developed for full contact stabilization operating mode. If this strategy is to be developed, it will be completed by the end of January, 2011.

- Added facilities to allow addition of sodium aluminate to the raw sewage at the existing screenings building. Determined it was more cost effective and would provide better operational reliability to move the chemical feed function even though the CPE recommended extending chemical feed lines from the existing sodium aluminate feed system. Completed construction and put into operation during December, 2009. Start up and initial operation has been successful, and phosphorus removal performance continues to meet KPDES permit limits.
- Completed the extension of the walls of the Plant No. 1 west aeration basin, using in-house forces, before the end of December, 2009. This work was originally scheduled for completion by June 2010.
- Completed the structure and equipment condition assessment as part of the process to convert asset management activities from SAP to Hansen on June 1, 2010.

6.5.2 Chenoweth Run Water Quality Treatment Center

- Developed an operations SOP prior to the CPE scheduled date of November 30, 2009. Initial training of staff on the operational SOP was completed on December 16 and 17, 2009.
- Completed the structure and equipment condition assessment as part of the process to convert asset management activities from SAP to Hansen on May 13, 2010.

6.5.3 Cedar Creek Water Quality Treatment Center

- Drafted a computerized process control program on September 23, 2009. Finalized the process control program and trained staff on the use of this program on February 16, 2010.
- Started, prior to June 30, 2010, the planning process to complete the structure and equipment condition assessment as part of the process to convert asset management activities from SAP to Hansen. It is anticipated that the structure and equipment condition assessment for the plant will be completed by December 31, 2010.

6.5.4 Hite Creek Water Quality Treatment Center

- Completed a computerized process control and trained staff on the new computerized process control program on February 17, 2010.
- Started, prior to June 30, 2010, the planning process to complete the structure and

equipment condition assessment as a component of converting the asset management activities from SAP to Hansen. It is anticipated that the structure and equipment condition assessment for the plant will be completed by December 31, 2010.

6.5.5 Timberlake Water Quality Treatment Center

- Completed a SOP for operating this WQTC and trained staff on the updated process control on December 16 and 17, 2009.
- Completed a plan with Metro Operations to replace the existing splitter box. Worked with steel fabricator to complete a “turn-key” project to replace the existing splitter box. Fabrication of the new splitter box was completed and delivered on site April 23, 2010. MSD met with KDEP on April 21, 2010, to discuss the plan for replacing the splitter box. Plan included installing permanent piping and a valve that would allow the splitter box to be isolated without effecting plant operations. MSD staff began replacement activities on April 26, 2010. The work to replace the splitter box was completed on April 29, 2010.
- Received verbal response from KDEP regarding MSD’s request to be allowed to install and operate a by-pass around the polishing pond during times when use of the polishing pond degrades plant effluent. KDEP will allow a permit modification that permanently removes the pond from the flow stream, (not just under certain conditions). MSD met with KDEP representatives to discuss the proposed approach and received informal concurrence. MSD submitted a letter request to KDEP on July 30, 2010 for the elimination of the polishing pond and the relocation of the chlorine contact tank. Upon receipt of approval for the elimination of the polishing pond, MSD will determine the best approach and implement by the scheduled date of March 31, 2011.
- Completed the structure and equipment condition assessment as part of the process to convert asset management activities from SAP to Hansen on May 17, 2010.

6.5.6 Hunting Creek North Water Quality Treatment Center

- Completed the structure and equipment condition assessment for the Hunting Creek North WQTC site as part of the process to convert asset management activities from SAP to Hansen on June 10, 2010.
- Developed an operations SOP prior to the CPE scheduled date of June 30, 2010. Training of staff on the operational SOP was completed on June 30, 2010.

6.5.7 Hunting Creek South Water Quality Treatment Center

- Completed the structure and equipment condition assessment for the Hunting Creek South WQTC site as part of the process to convert asset management activities from SAP to Hansen on June 10, 2010.
- Developed an operations SOP prior to the CPE scheduled date of June 30, 2010. Training of staff on the operational SOP was completed on June 30, 2010.

6.5.8 Starview Water Quality Treatment Center

- Developed an operations SOP prior to the CPE scheduled date of April 1, 2010. Training of staff on the operational SOP was completed on April 28, 2010.

- Completed the structure and equipment condition assessment for the Starview WQTC site as part of the process to convert asset management activities from SAP to Hansen on June 23, 2010.

6.5.9 Berrytown Water Quality Treatment Center

- Developed an operations SOP prior to the CPE scheduled date of September 30, 2010. Training of staff on the operational SOP was completed on April 28, 2010.
- Completed the structure and equipment condition assessment for the Berrytown WQTC site as part of the process to convert asset management activities from SAP to Hansen on June 23, 2010.

6.5.10 Ken Carla Water Quality Treatment Center

- Completed a draft operations SOP on June 4, 2010. The SOP will be reviewed and training of staff on the operational SOP will be completed prior to the CPE scheduled date of September 30, 2010.
- Completed the structure and equipment condition assessment as part of the process to convert asset management activities from SAP to Hansen on June 23, 2010.

6.5.11 Chenoweth Hills Water Quality Treatment Center

- Completed the structure and equipment condition assessment for the Chenoweth Hills WQTC on June 23, 2010, as part of the process to convert asset management activities from SAP to Hansen.

6.5.12 Other Water Quality Treatment Centers

- Started the planning to complete the structure and equipment condition assessment for the remaining MSD WQTCs that were not included as a part of the CPE process to convert asset management activities from SAP to Hansen. This will complete the process for MSD's WQTCs. Prior to December 31, 2010, MSD will complete the planning and start the implementation phase of process assessment for these remaining WQTCs: Floyds Fork, Cedar Creek, Hite Creek, Silver Heights, Bancroft, McNeely Lake, Shadow Wood and the Lake of the Woods WQTCs.

6.6 Bypass Corrective Actions

Each quarter, an assessment of bypasses will occur to determine the root cause of the bypass, the failure category, corrective actions to be taken, possible programmatic solutions, and corrective action completion date. Refer to Section 7.2.1 for causes of bypasses that occurred in FY10.

The WQTC bypasses during FY10, are shown below:

Capacity (CAP)	
<p><u>Jeffersontown WQTC (Hansen Discharge WO: 961491):</u> Bypass (capacity) was reported at this WQTC on September 27, 2009, when flow topped tank walls. Investigation revealed that excessive plant flows (3 times design daily flow) occurred during the rain event of September 27, 2009.</p>	<p>CPE Type II Modifications corrected the capacity related bypass that occurred at this WQTC on September 27, 2009. Substantial completion occurred on October 31, 2009.</p>
<p><u>Chenoweth Hills WQTC (Hansen Discharge WO: 989842):</u> Bypass (capacity) was reported at this WQTC on December 8, 2009, when mixed liquor bypassed treatment. Investigation revealed that excessive plant flows (3.8 times design daily flow) occurred during the rain event of December 8, 2009.</p>	<p>This activity provided updates to the SOPs for the Chenoweth Hills WQTC. The updates to the SOPs corrected the capacity related bypass that occurred at this WQTC on December 8, 2009. Substantial completion occurred on February 1, 2010.</p>
<p><u>Starview WQTC (Hansen Discharge WO: 989838):</u> Bypass (capacity) was reported at this WQTC on December 8, 2009, when mixed liquor bypassed treatment. Investigation revealed that excessive plant flows (3.6 times design daily flow) occurred during the rain event of December 8, 2009.</p>	<p>This activity provided updates to the SOPs for the Starview WQTC. The updates to the SOPs corrected the capacity related bypass that occurred at this WQTC on December 8, 2009. Substantial completion occurred on February 1, 2010.</p>
<p><u>Chenoweth Hills WQTC (Hansen Discharge WO: 1062181):</u> Bypass (capacity) was reported at this WQTC on May 1, 2010, when mixed liquor bypassed treatment. Investigation revealed that excessive plant flows (1.5 times design daily flow) occurred during the rain event of May 1, 2010.</p>	<p>There is no outlined corrective action for this capacity related bypass.</p>
<p><u>Berrytown WQTC (Hansen Discharge WO: 1062832):</u> Bypass (capacity) was reported at this WQTC on May 2, 2010, when the aeration basin overflowed. Investigation revealed that excessive plant flows (2.25 times design daily flow) occurred during the rain event of May 2, 2010.</p>	<p>There is no outlined corrective action for this capacity related bypass.</p>

<p><u>Cedar Creek WQTC (Hansen Discharge WO: 1062266):</u> Bypass (capacity) was reported at this WQTC on May 2, 2010, when the sand filters overflowed. Investigation revealed that excessive plant flows (2.5 times design daily flow) occurred during the rain event of May 2, 2010.</p>	<p>There is no outlined corrective action for this capacity related bypass.</p>
<p><u>Chenoweth Hills WQTC (Hansen Discharge WO: 1062499):</u> Bypass (capacity) was reported at this WQTC on May 2, 2010, when the splitter box and surge basin overflowed. Investigation revealed that excessive plant flows (3.25 times design daily flow) occurred during the rain event of May 2, 2010.</p>	<p>There is no outlined corrective action for this capacity related bypass.</p>
<p><u>Chenoweth Hills WQTC (Hansen Discharge WO: 1062496):</u> Bypass (capacity) was reported at this WQTC on May 2, 2010, when the influent pump station overflowed. Investigation revealed that excessive plant flows (3.25 times design daily flow) occurred during the rain event of May 2, 2010.</p>	<p>There is no outlined corrective action for this capacity related bypass.</p>
<p><u>Chenoweth Run WQTC (Hansen Discharge WO: 1062502):</u> Bypass (capacity) was reported at this WQTC on May 2, 2010, when the aeration basin overflowed. Investigation revealed that excessive plant flows (1.75 times design daily flow) occurred during the rain event of May 2, 2010.</p>	<p>There is no outlined corrective action for this capacity related bypass.</p>
<p><u>Chenoweth Run WQTC (Hansen Discharge WO: 1062505):</u> Bypass (capacity) was reported at this WQTC on May 2, 2010, when the tertiary treatment lagoon was pumped out to maintain structural integrity of the lagoon wall. Investigation revealed that excessive plant flows (1.9 times design daily flow) occurred during the rain event of May 2, 2010.</p>	<p>There is no outlined corrective action for this capacity related bypass.</p>
<p><u>Jeffersontown WQTC (Hansen Discharge WO: 1062156):</u> Bypass (capacity) was reported at this WQTC on May 1, 2010, when flows bypassed a plant aeration basin. Investigation revealed that excessive plant flows (1.75 times design daily flow) occurred during the rain event of May 1, 2010.</p>	<p>There is no outlined corrective action for this capacity related bypass.</p>

<p><u>Starview WQTC (Hansen Discharge WO: 1063005):</u> Bypass (capacity) was reported at this WQTC on May 2, 2010, when the aeration basin overflowed. Investigation revealed that excessive plant flows (3.5 times design daily flow) occurred during the rain event of May 2, 2010, and the receiving water body level prevented gravity plant flows.</p>	<p>There is no outlined corrective action for this capacity related bypass.</p>
<p><u>Yorktown WQTC (Hansen Discharge WO: 1062532):</u> Bypass (capacity) was reported at this WQTC on May 2, 2010, when the surge tank and aeration basin overflowed. Investigation revealed that excessive plant flows occurred during the rain event of May 2, 2010, and the receiving water body level prevented gravity plant flows.</p>	<p>There is no outlined corrective action for this capacity related bypass.</p>
<p>External Power failures (LGE Related – PWR)</p>	
<p><u>Derek R. Guthrie WQTC (Hansen Discharge WO: 996579):</u> Bypass (external power outage) was reported at this WQTC on December 31, 2009. Investigation revealed that a power outage caused a disinfection systems failure.</p>	<p>No FY10 corrective action is scheduled for remediation of this bypass that occurred on December 31, 2009.</p>
<p><u>Floyds Fork WQTC (Hansen Discharge WO: 1036756):</u> Bypass (external power outage) was reported at this WQTC on March 10, 2010. Investigation revealed that a momentary power lapse reset the UV disinfection system. Given the short duration of the power outage it is unlikely that a bypass occurred.</p>	<p>This activity involved a review of the bypass that was reported at this WQTC on March 10, 2010. The corrective action for this event is to enhance SOPs and training to ensure that the UV system is operational. Substantial completion of this response enhancement occurred on March 10, 2010.</p>
<p>Facility Failure (Mechanical -MCH, Electrical - ELE, Structural-STR)</p>	
<p><u>Bancroft WQTC (Hansen Discharge WO: 944513):</u> Bypass (facility failure mechanical) occurred on August 17, 2009, when the collector drive malfunctioned.</p>	<p>This activity replaced a collector drive that malfunctioned at the Bancroft WQTC. The replacement of the collector drive corrected the bypass that occurred at this WQTC on August 17, 2009. Substantial completion occurred on March 31, 2010.</p>

<p><u>Hite Creek WQTC (Hansen Discharge WO: 948358):</u> Bypass (facility failure structural) occurred on August 29, 2009, when debris obstructed the discharge line from the sand filter to the UV system.</p>	<p>This activity removed debris from a discharge line at Hite Creek WQTC. The minor construction activity to remove debris corrected the root causes of the bypass that occurred at this WQTC on August 29, 2009. Substantial completion occurred on August 29, 2009.</p>
<p><u>Hite Creek WQTC (Hansen Discharge WO: 948395):</u> Bypass (facility failure mechanical) occurred on August 29, 2009, when a pump was relocated to return the discharge line from the sand filter to service.</p>	<p>This activity re-established the discharge line from the sand filter to the UV system at Hite Creek WQTC. The minor construction activity to restore the discharge line corrected the root causes of the bypass that occurred at this WQTC on August 29, 2009. Substantial Completion occurred on August 29, 2009.</p>
<p><u>Chenoweth Hills WQTC (Hansen Discharge WO: 967725):</u> Bypass (facility failure mechanical) occurred on October 6, 2009, when a fitting on a disinfection feed line failed.</p>	<p>Replaced the fitting on the disinfection line on October 6, 2009, to address the root causes of the bypass that occurred at this WQTC on October 6, 2009. Substantial completion of this activity occurred on October 6, 2009.</p>
<p><u>Cedar Creek WQTC (Hansen Discharge WO: 975966):</u> Bypass (facility failure electrical) occurred on November 1, 2009, when the east UV channel gate failed to completely close in automatic.</p>	<p>Performed a 3rd party audit of disinfection processes for the Cedar Creek WQTC. This audit identified additional corrective actions to address the root causes of the bypass that occurred at this WQTC on November 1, 2009. Substantial completion of the audit occurred prior to June 30, 2010, including modifications to programming to correct the root cause of this bypass.</p>

<p><u>Jeffersontown WQTC (Hansen Discharge WO: 1008290):</u> Bypass (facility failure electrical) occurred on January 31, 2010, when the secondary influent pump station controls malfunctioned.</p>	<p>This activity repaired a malfunctioning secondary influent pump station control at Jeffersontown WQTC. The minor construction activity to repair this control system as well as enhancements to make these controls operate independently of the PLC corrected the root causes of the bypass that occurred at this WQTC on January 31, 2010. Substantial completion occurred on February 2, 2010.</p>
<p><u>Floyds Fork WQTC (Hansen Discharge WO: 1011592):</u> Bypass (facility failure electrical) occurred on February 5, 2010, when control systems related to disinfection malfunctioned.</p>	<p>This activity repaired a malfunctioning control system at Floyds Fork WQTC. The minor construction activity to repair these control systems as well as enhancements to SOPs and training during wet weather to make sand filter adjustments corrected the root causes of the bypass that occurred at this WQTC on February 5, 2010. Substantial completion occurred on February 9, 2010.</p>
<p><u>Hunting Creek South WQTC (Hansen Discharge WO: 1043442):</u> Bypass (facility failure mechanical) occurred on March 26, 2010, when a polishing pond effluent pipe collapsed and impeded flow.</p>	<p>Replaced a polishing pond effluent pipe that was damaged and plugged at Hunting Creek South WQTC. The replacement of the effluent pipe and reinforcement of exposed piping corrected the bypass that occurred at this WQTC on March 26, 2010. Project was completed on April 14, 2010.</p>

<p><u>Berrytown WQTC (Hansen Discharge WO: 1043411):</u> Bypass (facility failure mechanical) occurred on March 26, 2010, when a water line ruptured and the feed to the plant was disrupted.</p>	<p>This activity repaired a damaged water line at the Berrytown WQTC. The repair of this water line, reconfiguration of the water feed system, and reinforcement of the pipe corrected the root causes of the bypass that occurred at this WQTC on March 26, 2010. Substantial completion occurred on March 30, 2010.</p>
<p><u>Hite Creek WQTC (Hansen Discharge WO: 1081862):</u> Bypass (facility/structural) was reported at this WQTC on May 22, 2010, when the plant process water line failed.</p>	<p>Repaired the plant process water line on May 24, 2010. This repair corrected the bypass that occurred on May 22, 2010.</p>
<p>Human Error (OPN)</p>	
<p><u>Berrytown WQTC (Hansen Discharge WO: 938663):</u> Bypass (human error) occurred on August 4, 2009, when overflows occurred from a damaged clarifier wall that did not have the proper preventive maintenance performed prior to the rain event on August 4, 2009.</p>	<p>Repaired a failed clarifier wall at the Berrytown WQTC. These enhancements corrected the bypass that occurred at this WQTC on August 4, 2009. Substantial completion occurred on August 5, 2009.</p>
<p><u>Derek R. Guthrie WQTC (Hansen Discharge WO: 955750):</u> Bypass (human error) occurred on September 16, 2009, when a bisulfite pump was set to dose at a rate that would not fully dechlorinate flows.</p>	<p>Reviewed and enhanced the SOPs and training modules for the DRG WQTC. This enhancement corrected the bypass that occurred at this WQTC on September 16, 2009. Substantial completion of the review occurred prior to June 30, 2010, including schedule development for any corrective actions recommended and training updates.</p>

<p><u>Cedar Creek WQTC (Hansen Discharge WO: 956949):</u> Bypass (human error) occurred on September 21, 2009, when an oxidation ditch was allowed to overflow during the rain event that occurred on September 21, 2009.</p>	<p>Reviewed and enhanced the SOPs and training modules for the Cedar Creek WQTC related to this bypass. These enhancements corrected the bypass that occurred at this WQTC on September 21, 2009. Substantial completion occurred on December 31, 2009.</p>
<p><u>Cedar Creek WQTC (Hansen Discharge WO: 989846):</u> Bypass (human error) occurred on December 8, 2009, when the center well gate was not adjusted during the rain event that occurred on December 8, 2009.</p>	<p>Reviewed and enhanced the SOPs and training modules for the Cedar Creek WQTC related to this bypass. These enhancements corrected the bypass that occurred at this WQTC on December 8, 2009. Substantial completion occurred on December 31, 2009.</p>
<p><u>Chenoweth Hills WQTC (Hansen Discharge WO: 1015412):</u> Bypass (human error) occurred on February 14, 2010, when an empty chlorine cylinder was deployed by the operator.</p>	<p>Provided automation of backup and tank switching equipment on the chemical disinfection system at the Chenoweth Hills WQTC. In addition, enhancements of SOPs and training occurred to prevent the human error related to the root cause of the bypass. The implementation of this backup system and enhancements to SOPs and training corrected the root causes of the bypass that occurred at this WQTC on February 14, 2010. Substantial completion occurred on March 3, 2010.</p>

<p><u>Hunting Creek South WQTC (Hansen Discharge WO: 1094894):</u> Bypass (human error) was reported at this WQTC on June 14, 2010, when the operator inadvertently opened the tank skimmer drain valve to digester, and did not follow up with closure. This caused a bypass when the digester overflowed.</p>	<p>Reviewed and enhanced the SOPs and training modules for the Hunting Creek South WQTC. This enhancement corrected the bypass that occurred at this WQTC on June 14, 2010. Substantial completion of the review, which included protocols for the isolation of digesters, occurred prior to June 30, 2010.</p>
<p><u>Chenoweth Hills WQTC (Hansen Discharge WO: 1099222):</u> Bypass (human error) was reported at this WQTC on June 28, 2010, when a contractor damaged the sodium bisulfite feed line with equipment on site. This caused a bypass when the plant lost the bisulfite feed as part of the disinfection process.</p>	<p>Installed bollards to prevent damage to the sodium bisulfite feed line at the Chenoweth Hills WQTC and filed a vendor complaint on the Contractor who damaged the lines. A temporary sodium bisulfite feed was established to mitigate the bypass. These actions corrected the bypass that occurred on June 28, 2010. Substantial completion of the correction occurred prior to June 30, 2010.</p>
<p><u>Chenoweth Hills WQTC (Hansen Discharge WO: 1099424):</u> Bypass (human error) was reported at this WQTC on June 28, 2010, when a contractor damaged the sodium bisulfite feed line with equipment on site. The temporary sodium bisulfite feed was disconnected to allow for installation of the permanent feed. This caused a second bypass when the plant lost the bisulfite feed as part of the disinfection process.</p>	<p>Installed bollards to prevent damage to the sodium bisulfite feed line at the Chenoweth Hills WQTC and filed a vendor complaint form on the Contractor who damaged the lines. A permanent sodium bisulfite feed was re-established. These actions corrected the bypass that occurred on June 28, 2010. Substantial completion of the correction occurred prior to June 30, 2010.</p>

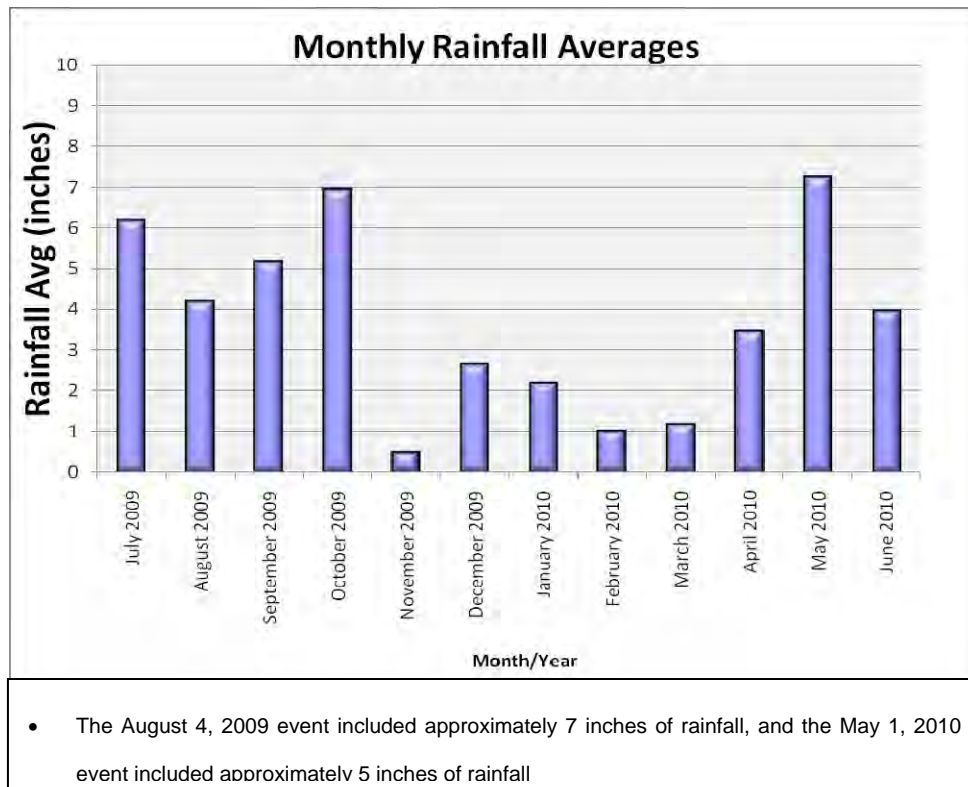
The following corrective actions related to reported bypasses, as taken from the 5-day follow-up letters, will be in progress or completed in FY11:

- See **Section 6.5.1** for an update on the Comprehensive Performance Evaluations (CPE) /Composite Correction Plans (CCP) activities that will occur prior to September 30, 2010.
- Develop training modules with results from the 3rd party disinfection audits incorporated.
- Review PM schedules for disinfection based upon recommendations from the 3rd party disinfection audits.
- Continue to implement automatic switch over mechanisms and alarms for chemical feed tanks for chemical disinfection WQTCs.
- Eliminate the Yorktown WQTC
- Perform disinfection audits at the following WQTCs:
 - Hite Creek WQTC
 - Jeffersontown WQTC
- Continue SOP and training enhancement for the following WQTCs:
 - Bancroft WQTC
 - Cedar Creek WQTC
 - DRG WQTC
 - Floyds Fork WQTC
 - Hite Creek WQTC
 - McNeely Lake WQTC
 - Starview WQTC

SECTION 7: Project WIN Performance Overview

7.1 Rainfall - FY10

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 FY10. Data was pulled from MSD’s Rain Gauges. There were two major rain events in FY10: August 4, 2009, and May 1, 2010. A Force Majeure request was made for each event. See **Appendix J** for the detailed reports.



7.2

Unauthorized Discharges to Waters of the United States – FY10

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 443 overflows that reached the **Waters of the United States** in FY10. 48 were reported during dry weather and 395 were wet weather related.

Unauthorized Discharges – FY10			
	Dry Weather	Wet Weather	Total
Blending	0	16	16
Bypass	13	20	33
Capacity	0	293	293
Capacity Pumping	0	52	52
Electrical	3	5	8
Grease	1	0	1
Mechanical	7	1	8
Obstruction	9	0	9
Power Failure	3	8	11
Roots	4	0	4
Structural	4	0	4
USACE Flood Pumping	0	0	0
Utility Damage	4	0	4
Total	48	395	443

An analysis, by asset type, of the 395 **wet weather unauthorized discharges** was performed.

FY10 - Wet Weather Unauthorized Discharges by Asset Type and Cause
53 pump stations (14 - pump, 4 - power, 4 - electrical, 31 - capacity)
36 WQTC's (16 - blending, 20 - bypass)
279 manholes (38 - pump, 4 - power, 1 - electrical, 235 - capacity, 1 - mechanical)
27 clean-outs (capacity)

An analysis, by asset type, of the 48 **dry weather unauthorized discharges** was performed.

FY10 – Dry Weather Unauthorized Discharges by Asset Type and Cause
2 pump stations (2 - mechanical)
13 WQTC's (bypass)
12 manholes (2 - utility damage, 3 - roots, 1 - power, 3 - obstruction, 1 - grease, 1 - mechanical, 1 - electrical)
2 mains (2 – structural, 1 of which in a force main)
3 clean-outs (1 - structural, 2 - obstruction)
16 CSOs (2 - electrical, 2 - utility damage, 1 - structural, 1 - roots, 2 - power, 4 - obstruction, 4 - mechanical)

7.2.1 Bypass Events at Water Quality Treatment Centers – FY10

Included in **Appendix B-2** is a report that details the 33 bypasses which occurred at water quality treatment centers (WQTC) during FY10. Bypasses were reported for the following WQTCs:

Regional WQTCs

- Cedar Creek (MSD0289) - KPDES Permit Number KY0098540 (4)
- Derek R. Guthrie (MSD0277) - KPDES Number KY0078956 (2)
- Floyds Fork (MSD0294) - KPDES Number KY0102784 (2)
- Hite Creek (MSD0202) - KPDES Number KY0022420 (3)
- Jeffersontown (MSD0255) - KPDES Number KY0025194 (3)

Small WQTCs

- Bancroft (MSD0290) - KPDES Number KY0039021 (1)
- Berrytown (MSD0209) - KPDES Number KY0036501 (3)
- Chenoweth Hills (MSD0263) - KPDES Number KY0029459 (8)
- Chenoweth Run (MSD0403) – KPDES Number KY0042226 (2)
- Hunting Creek South (MSD0292) – KPDES Number KY0029114 (2)
- Starview (MSD0247) - KPDES Number KY0031712 (2)
- Yorktown (MSD0271) - KPDES Number KY0036323 (1)

<u>Bypass Events</u>			
	Dry Weather	Rain Event	Total
Bancroft	1	0	1
Berrytown	1	2	3
Cedar Creek	1	3	4
Chenoweth Hills	4	4	8
Chenoweth Run	0	2	2
Derek R. Guthrie	1	1	2
Floyds Fork	1	1	2
Hite Creek	2	1	3
Hunting Creek South	1	1	2
Jeffersontown	1	2	3
Starview	0	2	2
Yorktown	0	1	1
Total	13	20	33

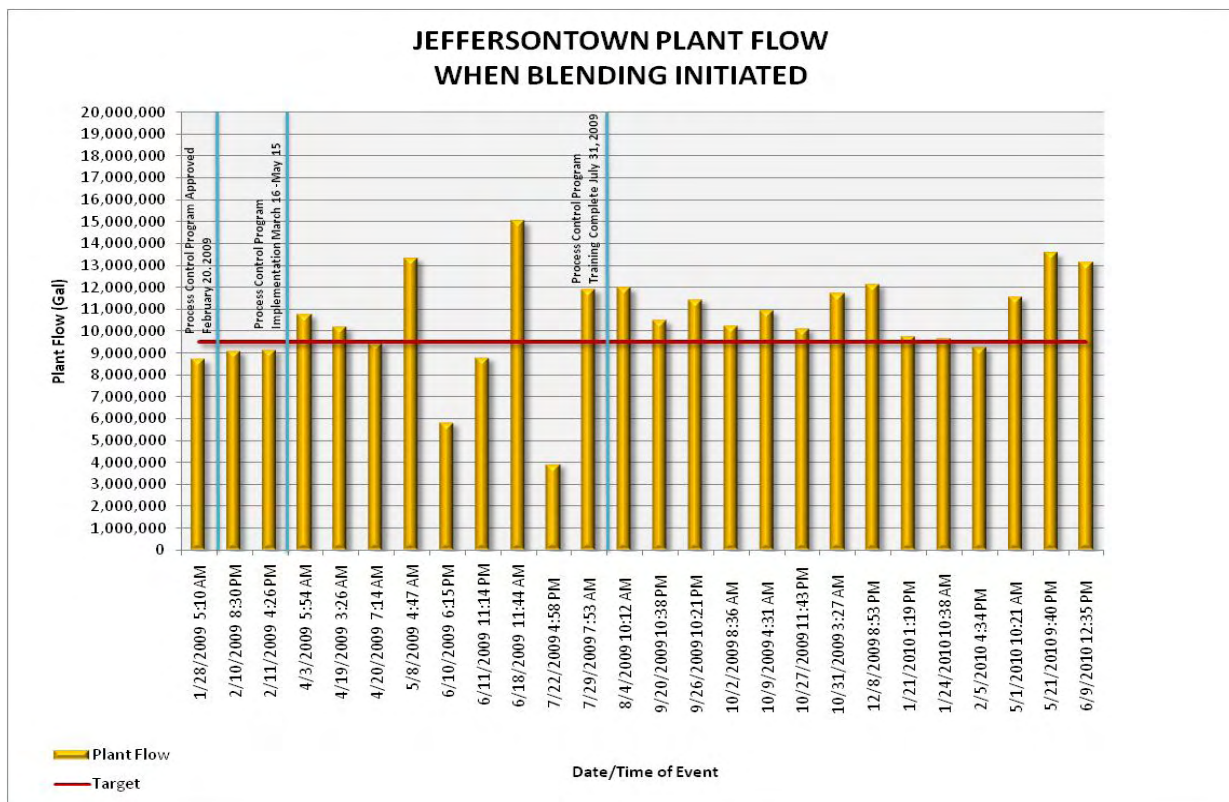
An assessment of FY10 WQTC bypasses was performed to determine the root cause of each bypass, the failure category, corrective actions to be taken, possible programmatic solutions, and corrective action completion date. Refer to Section 6.6 for details of this analysis.

7.2.2 Blending Events – FY10

Included in **Appendix B-3** is a report that lists the 16 blending events which occurred at the Jeffersontown WQTC during FY10. The blending events, as posted on the Project WIN website, are as follows:

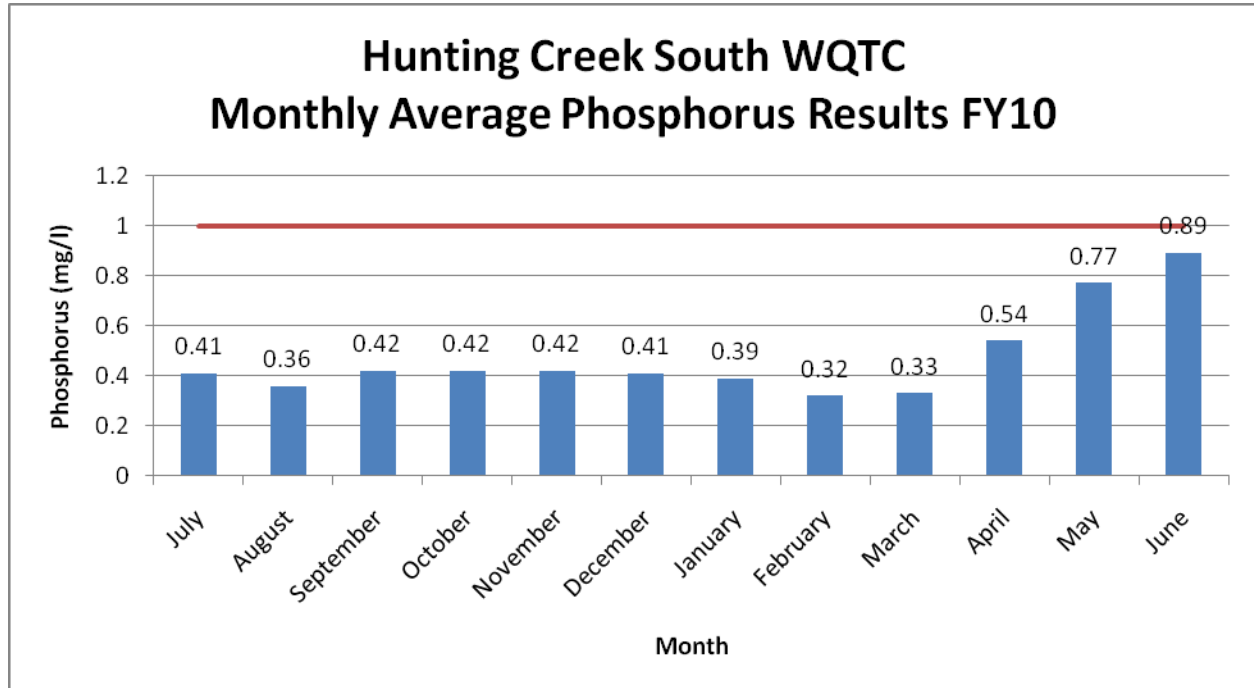
Blending Events	
#	Date
1	July 22, 2009
2	July 29, 2009
3	August 4, 2009
4	September 20, 2009
5	September 26, 2009
6	October 2, 2009
7	October 9, 2009
8	October 27, 2009
9	October 31, 2009
10	December 8, 2009
11	January 1, 2010
12	January 24, 2010
13	February 5, 2010
14	May 1, 2010
15	May 21, 2010
16	June 9, 2010

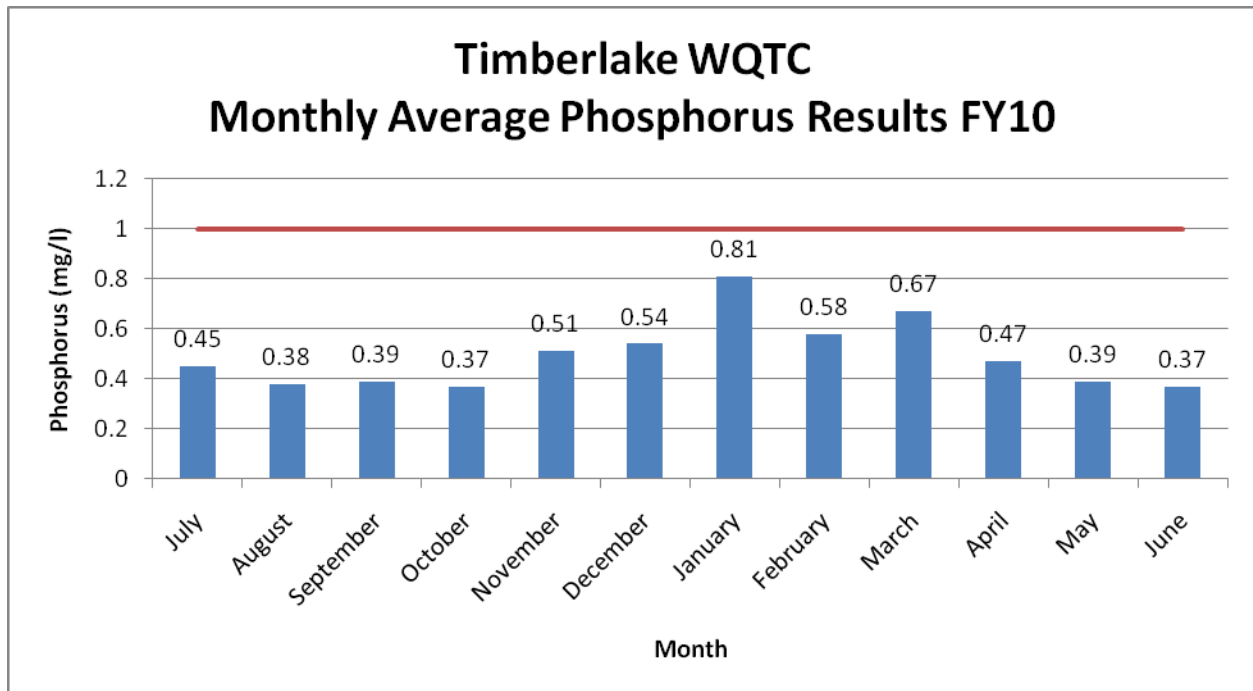
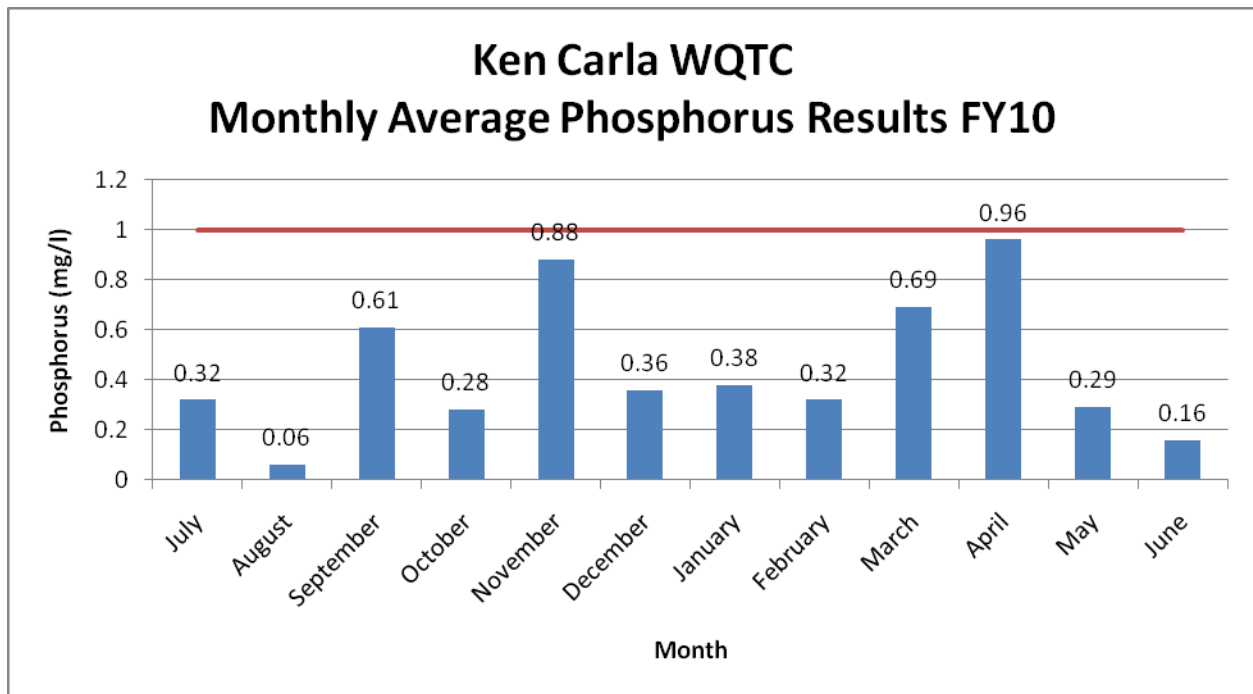
The Jeffersontown WQTC Process Control Program includes standard operating procedures (SOPs) for the initiation and disengagement of blending activities, with the goal of maximizing flow through secondary treatment during wet weather. The program was completed in February 2009, and implementation began in May, 2009, with training of all currently affected staff completed prior to July 31, 2009. The FY10 plant flows and blended flows are presented in **Appendix M – Jeffersontown WQTC Blending Event Charts**. The blending events were analyzed and compared to the wet weather protocols included in the SOPs regarding the flow rate when blending will occur. The chart below shows the plant flow when blending events began at the Jeffersontown WQTC. The red line on the chart is shown at 9.5 MGD, which is the SOP guidance for initiating blending. The chart shows that once the wet weather SOPs training was completed, blending practice closely conformed to SOP guidance. In some cases the flows significantly exceeded 9.5 MGD before blending occurred. This is due to the rapid increase in flows that the Jeffersontown WQTC can experience, and the relatively slow response time of the blending gate. Operating at these higher flows is not sustainable, as the aeration basins may overflow if more than 9.5 MGD is delivered to them for more than a few minutes.

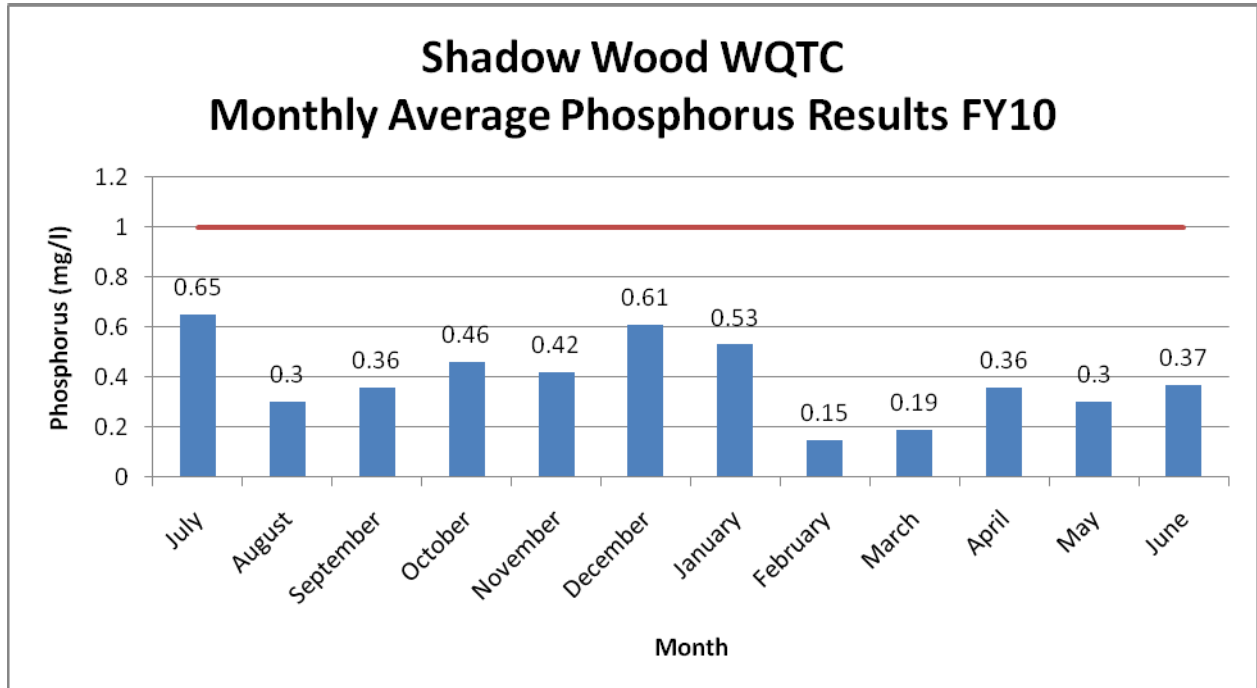
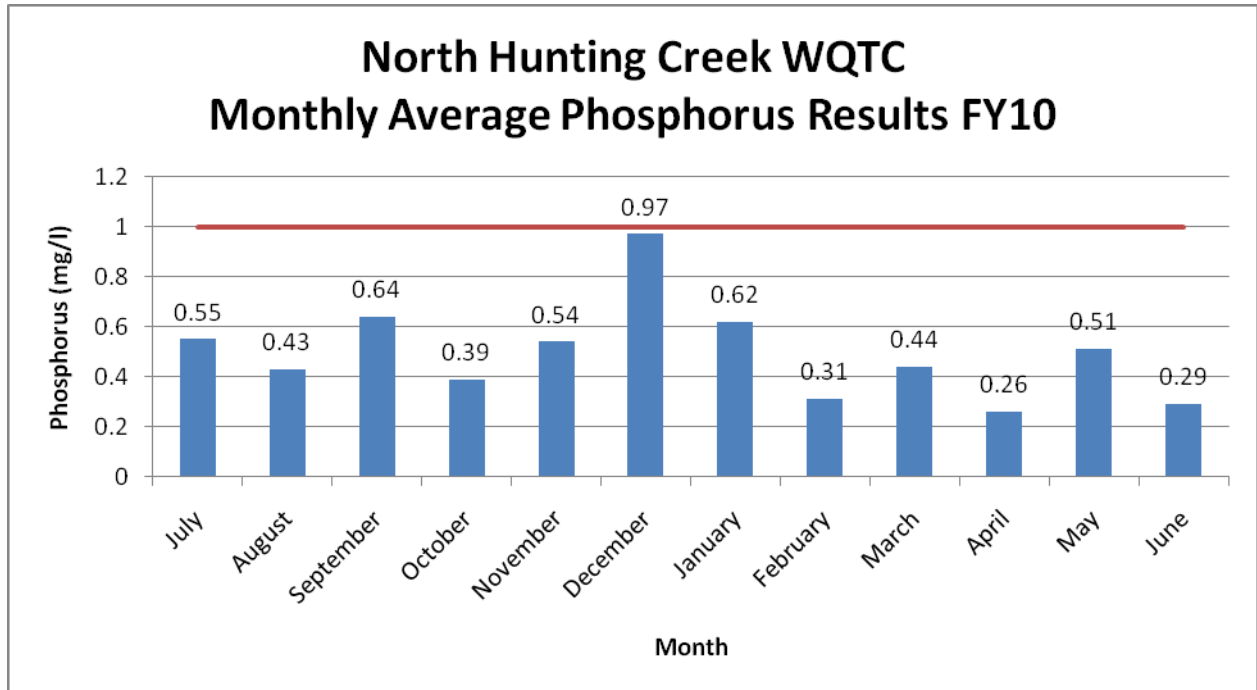


7.2.3 Phosphorus Monitoring at the Prospect WQTCs – FY10

As part of the Amended Consent Decree, MSD submits phosphorus monitoring data including the calculations of monthly averages with the quarterly reports. See **Appendix G** for these reports. The charts below show the monthly average phosphorous results for the five Prospect WQTCs. The phosphorous limit for these facilities is shown on the charts with a red line at 1mg/l. The five WQTCs met permit limits for phosphorous in every month in FY10.

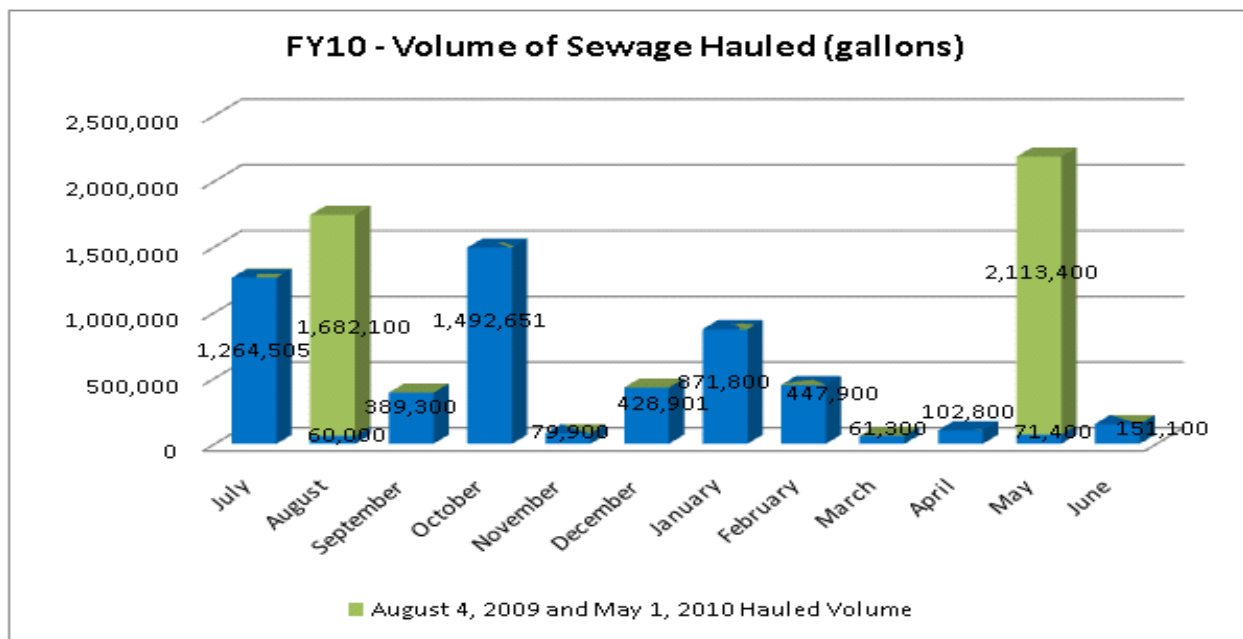
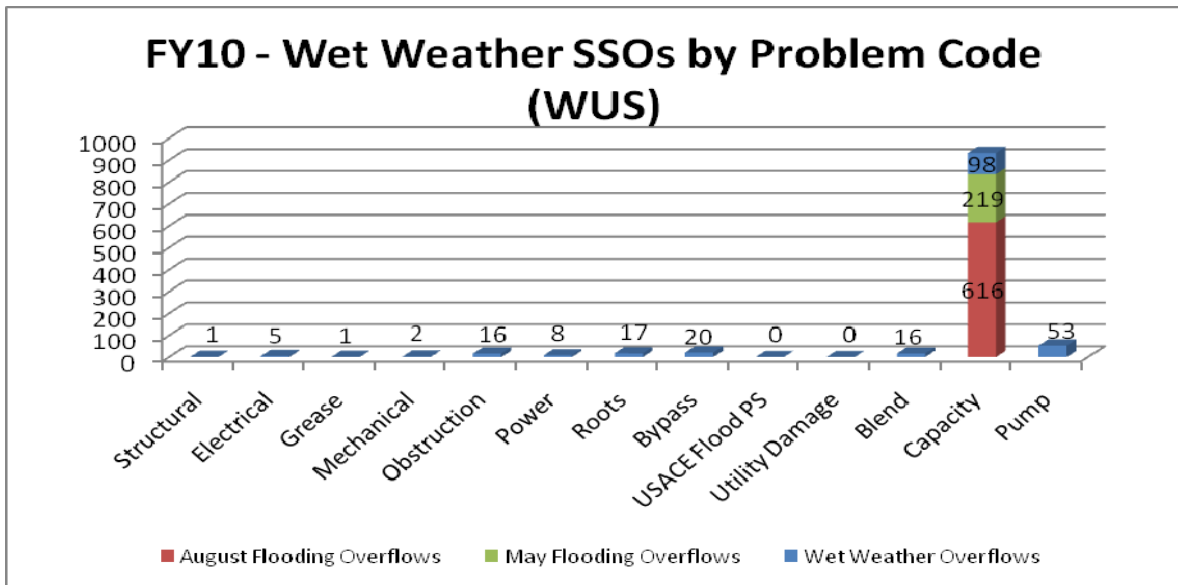




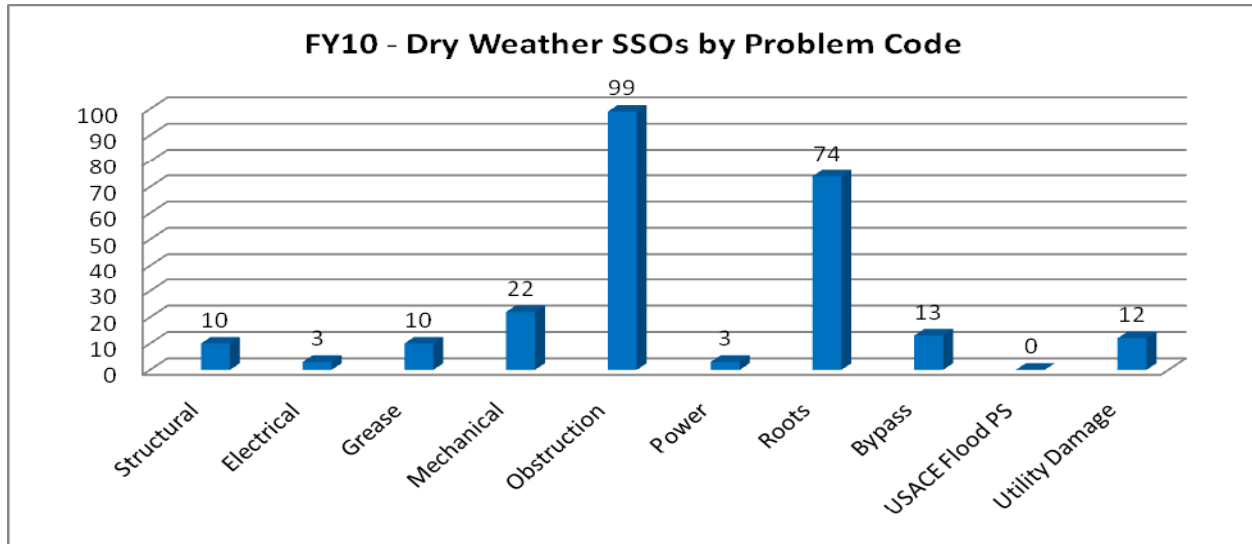


7.2.4 SSOs – FY10

This chart shows the wet weather overflows by problem code (Interior, Exterior and WUS). In FY10, over 933 (87%) overflows were attributed to wet weather capacity issues. Of those 933, 835 were related to the August 4, 2009, and May 1, 2010 rain events. To reduce the number of overflows in wet weather, MSD hauls sewage from multiple locations. The second graph shows the volume of sewage hauled each month in FY10, with the August 4, 2009, and May 1, 2010, rain events highlighted. Of the 9.2 MG hauled in FY10, over 3.7 MG can be attributed to these two rain events.



As shown in the chart below, the main problems that caused dry weather SSOs in FY10 were obstructions and roots. MSD is addressing both issues with our gravity line preventive maintenance program. This chart does not include any dry weather CSOs since they are addressed in the next section.



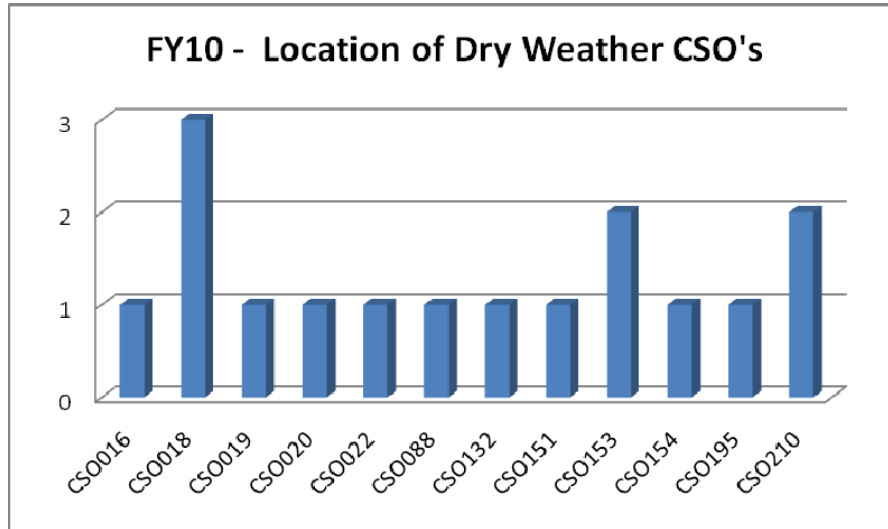
7.2.5 Dry Weather CSOs – FY10

During the FY10 reporting period there were 16 dry weather overflows from permitted CSO locations. At this time, 104 CSOs are functioning properly. The dry weather CSO's were analyzed by location and problem to identify trends and issues that can be corrected.

In FY10, none of the dry weather CSO's were related to the operation of the Flood Protection System. MSD has continued to work with the USACE to modify operations to reducing occurrences of dry weather CSOs. In FY10, the volume attributed to Dry Weather CSOs was approximately 13,321,419 gallons. This increase is a result of 4 significant occurrences that accounted for 12,608,000 gallons. The significant dry weather overflows are described as follows:

- CSO019 (34th Street Pump Station) occurred July 27, 2009 (14:45). The overflow was caused by mechanical failure of the pumps. Two pumps were off-site being repaired, the remaining pump failed. Two pumps were placed back in service July 27, 2009 (16:05). This overflow discharged approximately 1,200,000 gallons.
- CSO020 (Buchanan Street Pump Station) occurred November 1, 2009 (13:00). The overflow was caused by a power failure. Power was restored November 1, 2009 (13:30). This overflow discharged approximately 1,073,000 gallons until the pumps were restarted.
- CSO210 (Winrose Way) occurred November 11, 2009. The overflow was caused by mechanical failure of the gate at the Main Diversion Structure. The gate was repaired November 12, 2009. This overflow discharged approximately 1,150,000 gallons.

- CSO016 (Miles Park CSO, Winrose Way) occurred November 11, 2009. The overflow was caused by mechanical failure of the gate at the Main Diversion Structure. The gate was repaired November 12, 2009. This overflow discharged approximately 9,185,000 gallons.



Dry Weather CSOs – By Problem

CSO	Date	Problem	Description	Amount (GAL)
CSO018	9/28/2009	Electrical	Control Panel problems	8,576
CSO018	10/1/2009	Electrical	Control Panel problems	4,483
CSO019	7/27/2009	Mechanical	Pump failure	1,200,000
CSO016	11/11/2009	Mechanical	Gate failure	9,185,000
CSO210	11/11/2009	Mechanical	Gate failure	1,150,000
CSO210	11/12/2009	Mechanical	Gate closed to make repairs	18,781
CSO088	8/13/2009	Obstruction	Tire in main sewer	500
CSO153	1/15/2010	Obstruction	Obstruction in siphon	100
CSO153	6/1/2010	Obstruction	Obstruction in siphon	150
CSO151	6/10/2010	Obstruction	Obstruction in siphon	15,396
CSO018	7/30/2009	Power	LG&E transformer failed	342,000
CSO020	11/1/2009	Power	Power failure	1,073,000
CSO154	8/13/2009	Roots	Roots in main sewer	1,500
CSO195	8/27/2009	Structural	Sewer Line collapse	6,600
CSO132	12/8/2009	Utility Damage	Water Main break	3,333
CSO022	12/21/2009	Utility Damage	Water Main break	312,000

7.3 OVERFLOWS TO GROUND – FY10

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 are included in **Appendix B-4** for the period July 1, 2009, through June 30, 2010.

Exterior Overflows

	Dry	Wet	Total
Structural	6	1	7
Electrical	2	0	2
Grease	0	0	0
Mechanical	18	1	19
Obstruction	21	4	25
Power	2	0	2
Roots	10	2	12
Bypass	0	0	0
USACE Flood PS	0	0	0
Utility Damage	3	0	3
Blend	0	0	0
Capacity	0	13	13
Pump	0	1	1
Total	62	22	84

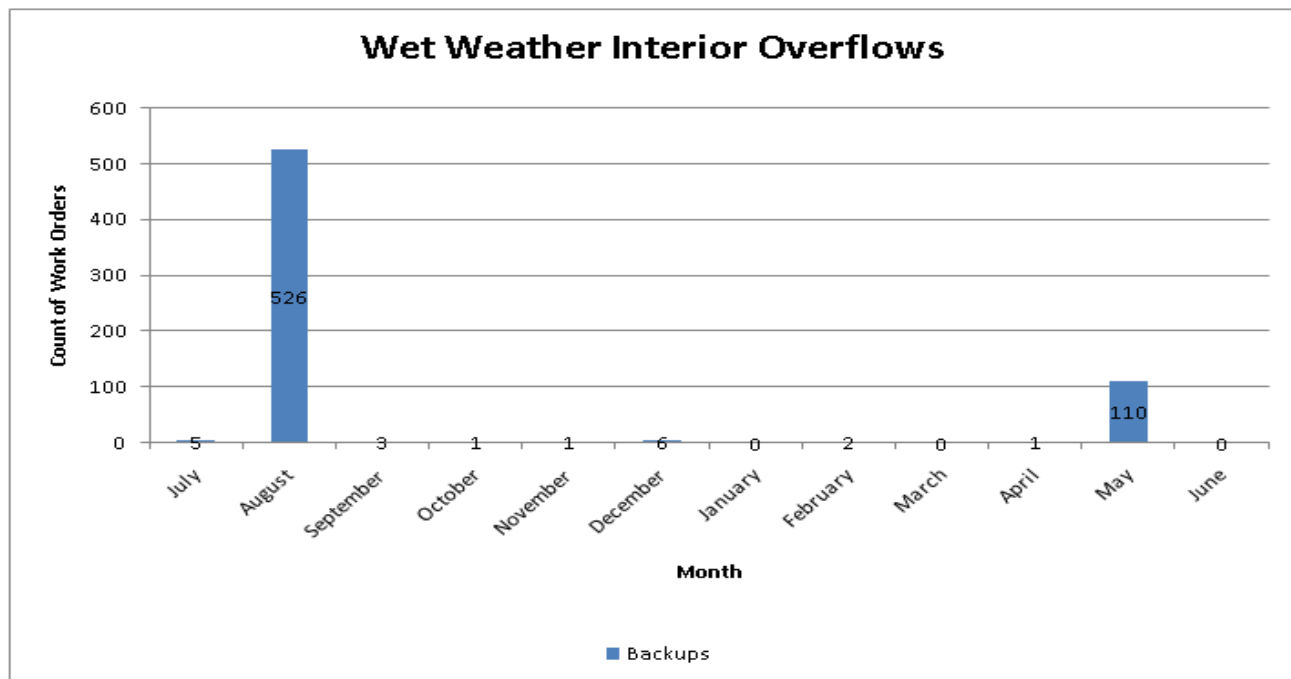
7.4 Overflows to Interior - FY10

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, are included in **Appendix B-5** for the period of July 1, 2009, through June 30, 2010.

As shown in the chart below, all 627 of the capacity related overflows to the interior in FY10, occurred during the two force majeure rain events of August 4, 2009, and May 1, 2010.

Interior Overflows

	Dry	Wet	Total
Structural	1	0	1
Electrical	0	0	0
Grease	9	1	10
Mechanical	1	0	1
Obstruction	73	12	85
Power	0	0	0
Roots	61	15	76
Bypass	0	0	0
USACE Flood PS	0	0	0
Utility Damage	7	0	7
Blend	0	0	0
Capacity	0	627	627
Pump	0	0	0
Total	152	655	807



7.5 CSO Reductions

Appendix C includes the modeled Annual Average Overflow Volume (AAOV) for the permitted CSOs. The AAOV was derived from the InfoWorks CSO hydraulic model.

The InfoWorks model identified additional CSOs that have AAOVs exceeding 10 million gallons per year due to additional model detail and a revised typical rainfall year. These CSOs were fitted with appropriate monitoring equipment and Telog communication equipment and are reporting to the new flow data site.

The CSO data for FY10 is included in **Appendix D**. 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.

The following projects, completed during FY10, reduced or eliminated permitted CSOs:

- Closed CSO156 on October 30, 2009.
- Added additional conveyance pipe between the CSO210 and CSO016 structures on June 16, 2010. This additional conveyance will reduce overflows at CSO210, allowing flow to reach Morris Forman WQTC through the CSO016 collection system.
- Completed the re-routing of sanitary flows from the Federal Building at 6th and Martin Luther King Place to allow for the closure of CSO026. Closed CSO026 on June 16, 2010.
- Routed flows from the Spring Drive storm sewer to reduce the amount of overflow at CSO206.

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

- Tested batteries before installation. Inspected CSO flow monitoring sites every three weeks. Replaced batteries every 90 days or when the voltage falls below four volts.
- Established CSO event notifications from the new Telog enterprise software 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.
- Completed the rehabilitation project to reduce the infiltration at CSO108 on April 30, 2009. Changed pump programming to route any residual groundwater into the relief sewer rather than the overflow line to the stream.
- Replaced the splitter at CSO097 after water was found in the panel. Additional alarms have been created on the PLC to alert MSD to this situation in the future.
- Reported data missing around August 4, 2009, for CSO182. Sensor damage occurred around this period. The flow meter and sensor were replaced on September 25, 2009.
- Reported data missing after August 28, 2009, for CSO118. There was a street cave-in and the contractors removed the flow meter instrumentation. The instrumentation was replaced on September 30, 2009, after the contractors had completed their work.

- Reported data missing from July 1, 2009, through July 8, 2009, for CSO190. This location experienced a power failure during this period.

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:

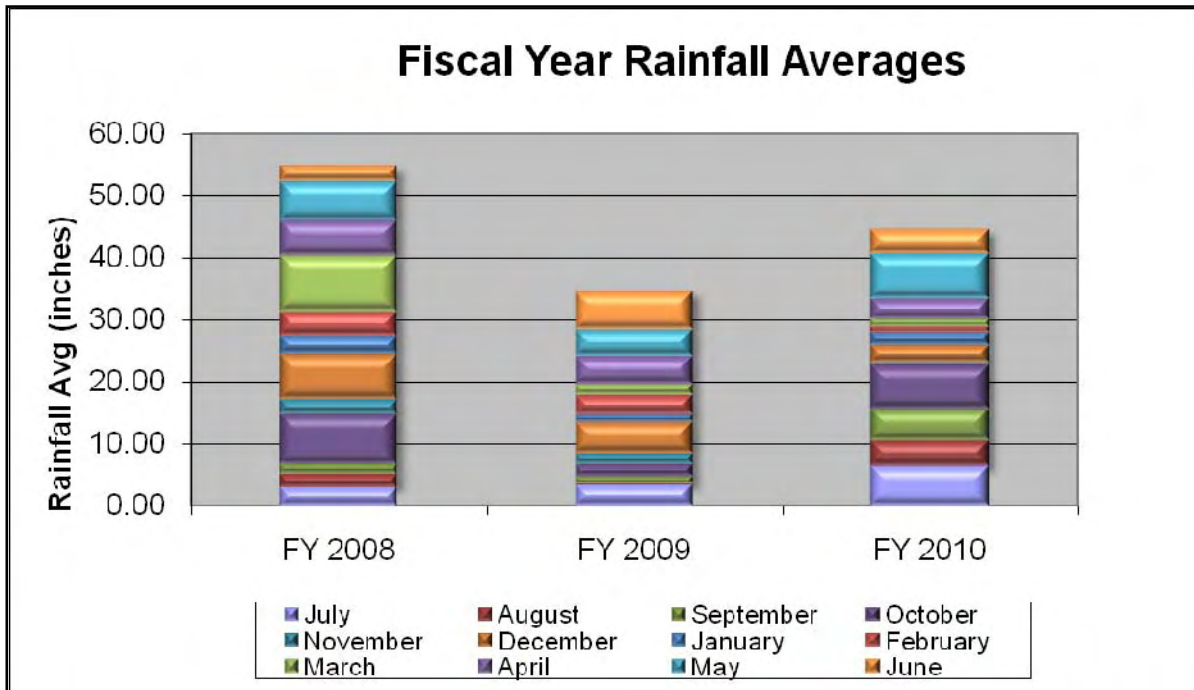
- Avanti Pump Station Elimination (Budget ID A09090) – Diverted flow from the pump station on July 10, 2009. This project was certified on July 28, 2009.
- Ashburton Pump Station Improvements and Diversion (Budget ID A09092) - Installed a larger force main to accommodate flow from the pump station on November 19, 2009. Additional problems with an adjacent water main delayed the project completion until December 30, 2009. This project was certified on January 22, 2010.
- Waycross Avenue Pump Station Elimination (Budget ID C09062) - Diverted flow from the pump station on December 28, 2009. Final construction was completed on May 19, 2010.
- Woodland Hills PS Diversion (Budget ID H09169) – Installed a diversion pipe to allow dry weather flow to drain to an interceptor and to use the pump station only during wet weather flow. This project was completed on March 4, 2010. The project was certified on April 2, 2010.
- Running Fox Pump Station Elimination (Budget ID H09178) - Diverted flow on March 8, 2010. Project was certified on April 5, 2010.

7.7 Performance Measures - Trends

MSD has developed performance measures to monitor the operation of the collection system and WQTC's, with the goal of reducing sewer overflows and improving surface water quality.

7.7.1 Rainfall

The Louisville area experienced an increase in rainfall in FY10, compared to FY09, and the overflow data reflects that trend. The chart below shows the FY08, FY09, and FY10 rainfall data broken up by month to show the significant months of rainfall over these years. Throughout the analysis of FY08, FY09, and FY10, rain events from December 2007 (approximately 8 inches of rain on average), March 2008 (approximately 9.5 inches of rain on average), and January 2009 (Force Majeure ice storm event as described in the 2009 Annual Report), are extracted to emphasize rainfall events that are comparable to events in the typical rainfall year. These more frequent events will provide a more accurate indication of the system performance, and improvement with the implementation of programmatic activities. As shown in the following chart, FY10, experienced a significant increase in rainfall over FY09.

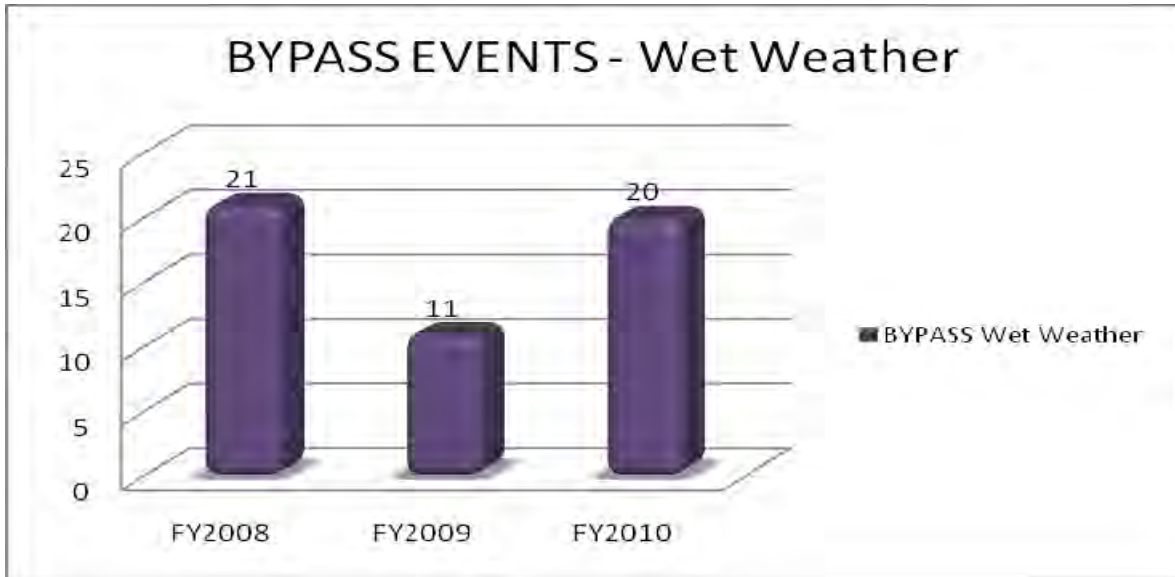


7.7.2 Bypass

Project WIN Quarterly Report 18 included a memorandum, included as Appendix K, which described the analysis of 44 bypass events that occurred between July 1, 2008, and December 31, 2009. This analysis delineated bypasses into the following categories:

- Capacity (CAP)
- External Power failures (LGE Related – PWR)
- Equipment Failure (Mechanical -MCH, Electrical - ELE, Structural-STR)
- Human Error (OPN)

The following charts show the decrease in dry weather bypass events from FY09 to FY10, and a slight increase in wet weather bypasses due to the increased rainfall in FY10.

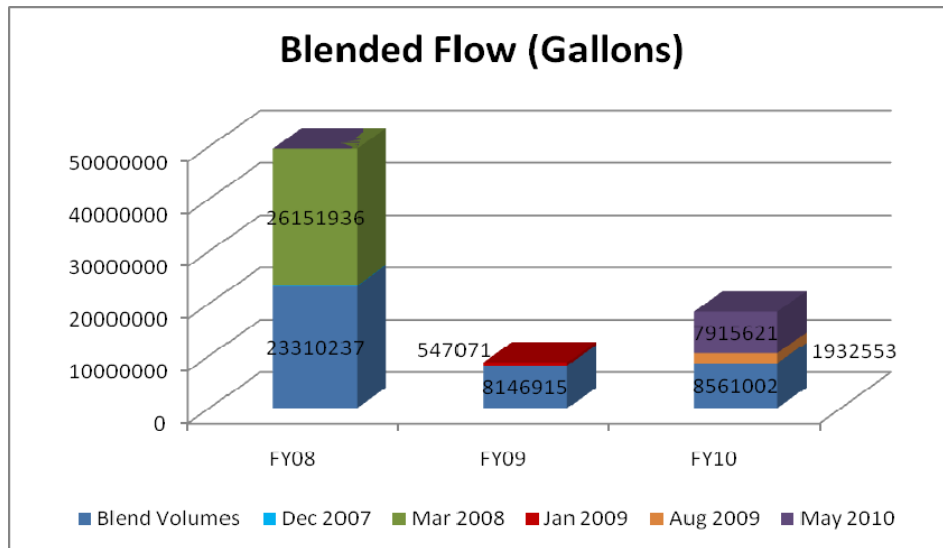


Water Quality Treatment Center Bypass Events

Treatment Plant	Dry Weather			Wet Weather		
	FY08	FY09	FY10	FY08	FY09	FY10
BANCROFT	0	2	1	0	0	0
BERRYTOWN	0	1	1	1	0	2
CEDAR CREEK	1	1	1	1	1	3
CHENOWETH HILLS	0	2	4	2	3	4
CHENOWETH RUN	1	0	0	4	0	2
DEREK R. GUTHRIE	0	6	1	0	0	1
FLOYDS FORK	0	0	1	1	2	1
HITE CREEK	0	2	2	1	0	1
HUNTING CREEK NORTH	0	2	0	1	0	0
HUNTING CREEK SOUTH	0	0	1	2	0	1
JEFFERSONTOWN	3	1	1	3	2	2
MCNEELY LAKE	0	1	0	1	1	0
SHADOW WOOD	1	0	0	0	0	0
SILVER HEIGHTS	1	2	0	1	0	0
STARVIEW	1	0	0	0	2	2
TIMBERLAKE	2	0	0	1	0	0
YORKTOWN	0	1	0	2	0	1
Total	10	21	13	21	11	20

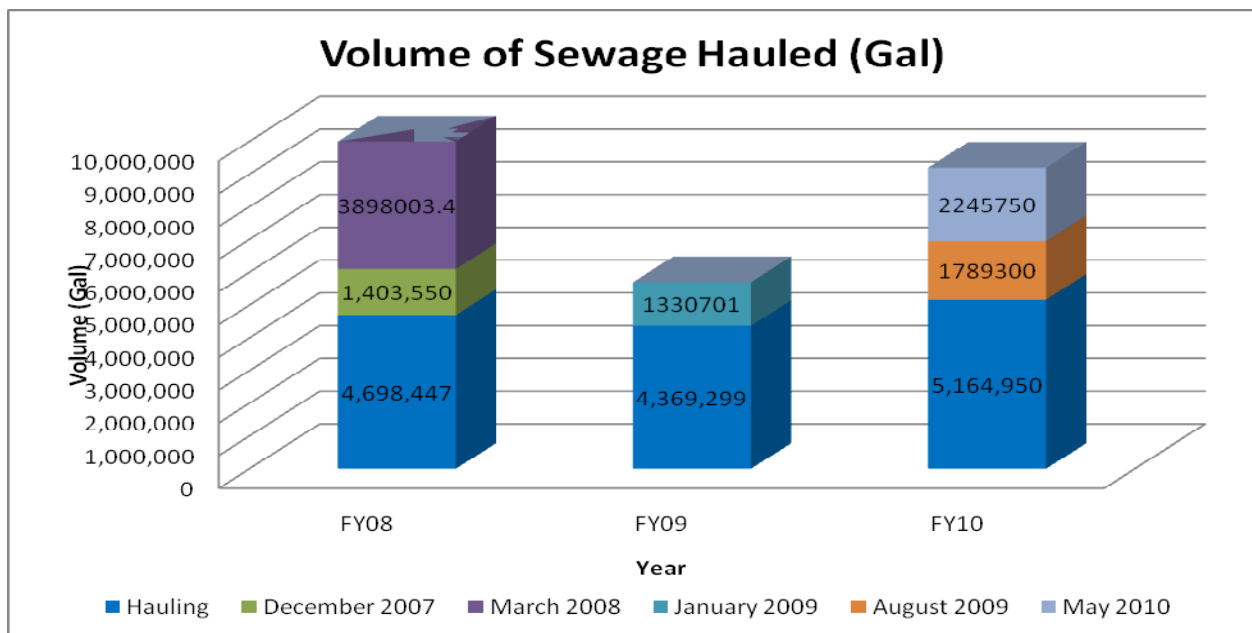
7.7.3 Blending

MSD has been documenting the blended flow at the Jeffersontown WQTC since February 2008. Paragraph 7.2.2 describes the FY 09 implementation of wet weather SOPs developed as part of the Jeffersontown WQTC Process Control Program. As shown in the chart labeled “Blended Flow”, the volumes of flow blended has decreased as compared to FY08. While the FY 10 volumes are higher than FY 09, the very large storms experienced on August 4, 2009, and May 1, 2010, account for over half of the FY 10 blended volumes. Removal of these two significant events would result in a downward trend in blending from FY 08 to FY 10. Even if the significant rainfall month of March 2008 is removed from consideration, there is still a reduction in normal blending volumes from 23,310,237 gallons in FY08, to 8,561,002 gallons in FY10.



7.7.4 Volume of Sewage Hauled

In an effort to reduce the number and volume of overflows, MSD’s Metro Operations department has continued an aggressive wet weather hauling program. In FY10, MSD has hauled over 9.2 million gallons. This chart shows a comparison of the amount of sewage hauled over the previous years and removing .

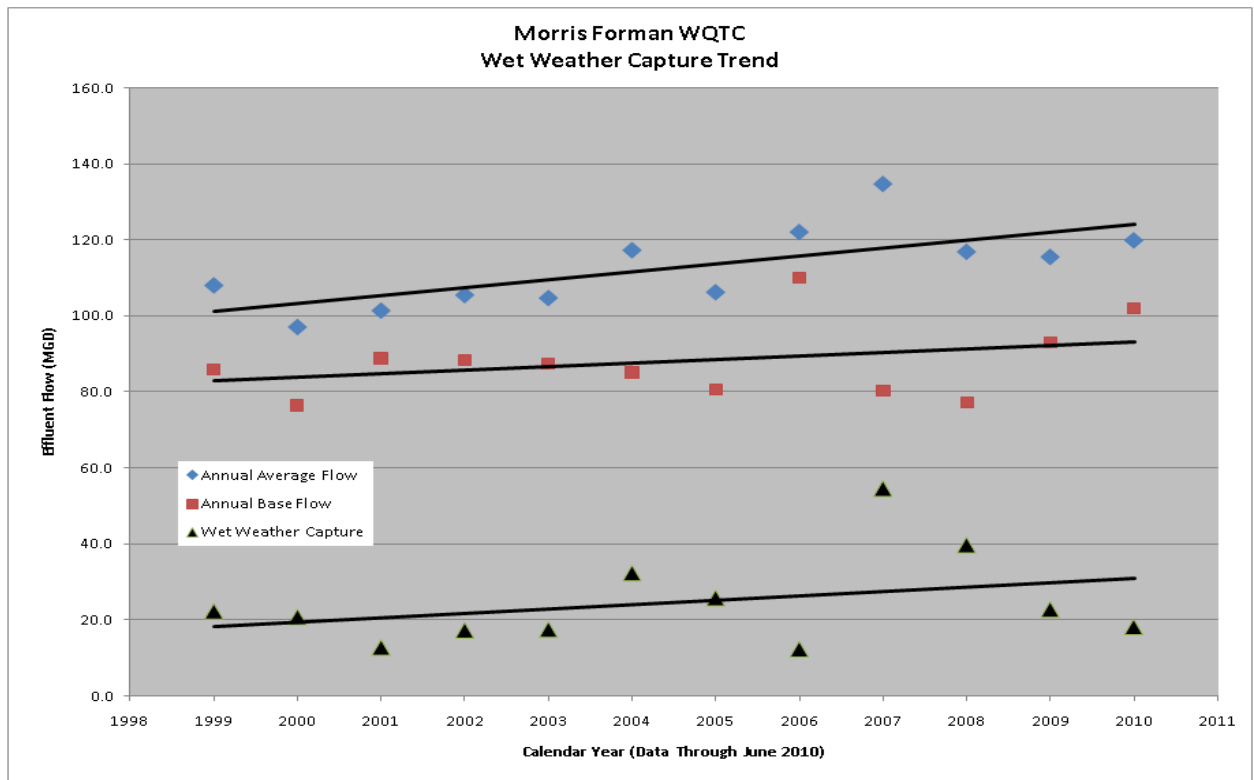


7.7.5 Wet Weather Capture

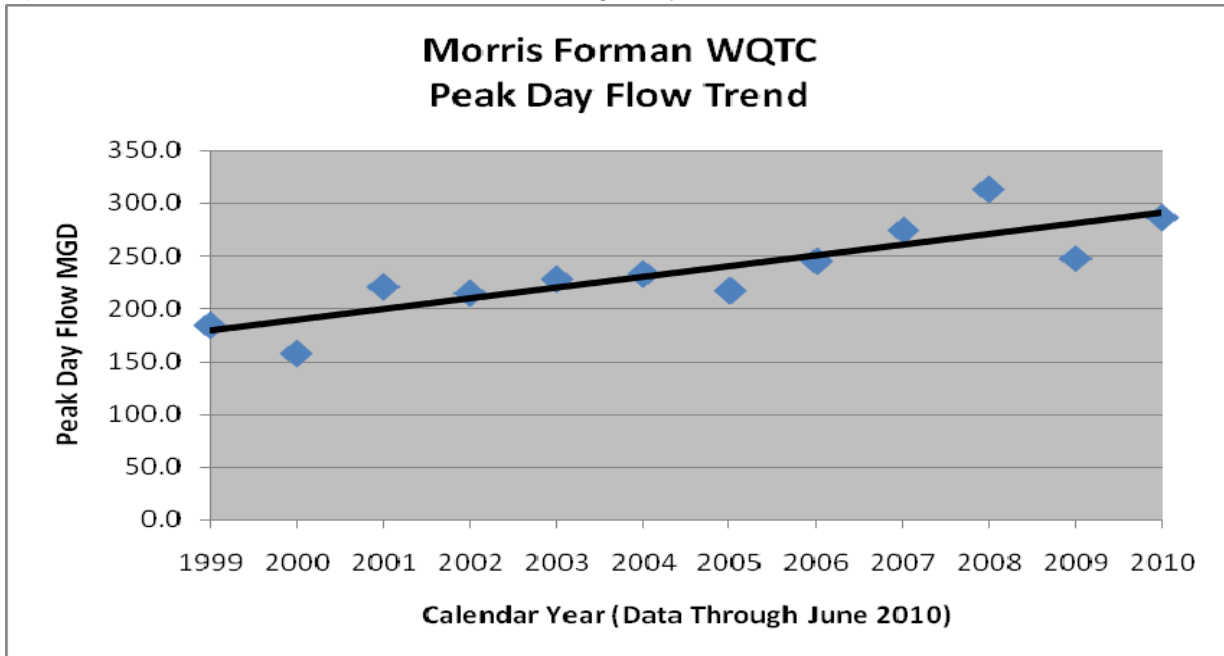
Over the past several years, the long term trend continues to show that MSD has increased the amount of wet weather flow treated at the Morris Forman WQTC. The wet weather capture is the difference between the annual average flow treated and the base wastewater flow (defined in state regulations as the lowest monthly average day flow during the calendar year). The base

flow for calendar year 2010 (through the end of June) shows an increase over the base flows for calendar years 2007, 2008 and 2009. This is reflective of the higher level of precipitation in the first six months of calendar year 2010 compared to 2009, and the consistent distribution of precipitation throughout the first six months of the year (no extended periods without rain) compared to the three preceding years. This is supported by the fact that the industrial/commercial customer base in the Morris Forman WQTC service area decreased 0.6% during FY10. Residential customer accounts decreased only slightly (less than 0.1%). Decreasing customers would normally indicate a reduction in base flow, not the increase observed in the first six months of calendar year 2010. The apparent increase in base flow directly impacts the calculation of wet weather capture. Since annual average flows appear to have increased in the face of a declining customer base, the higher base flow results in a lower calculated wet weather capture. The ten-year trend shown in the figure below confirms, however, that wet weather capture continues to increase, and the extended dry period in the third quarter of the calendar year will result in a very low base flow for the entire calendar year 2010. The increasing trend in wet weather capture is largely attributed to a combination of capital improvements at the Morris Forman WQTC, development of wet weather operational procedures, and implementation of RTC facilities in the CSS.

The improving trend in plant wet weather flow capture performance and the increase in the number of days that peak flow exceeds 300 MGD (described in Section 6.1.1) is also reflected in the long term trend in the maximum day flow treated at Morris Forman WQTC, as shown in the figure below. Each data point represents the maximum daily flow treated during the year. Although the instantaneous peak hydraulic capacity of the Morris Forman WQTC is 350 MGD, the sustained flow that can be treated on a daily basis is governed by a number of other factors, including the performance of the biological treatment processes.



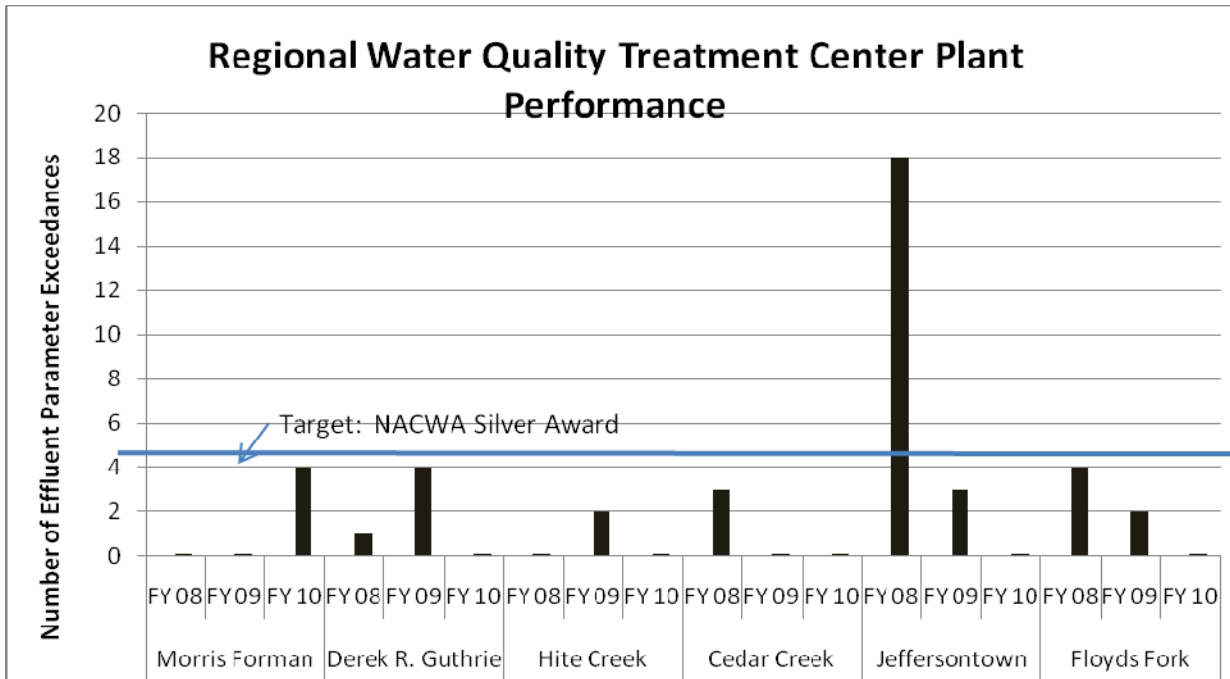
Data for the first half of calendar year 2010 shows that peak day flows have rebounded from the relative low value observed in 2009. This is attributed to completion of the rehabilitation work on the primary sedimentation basins in 2009, thereby restoring primary treatment to full capacity. Another indication of improved wet weather capture is illustrated by the peak flow rates shown on the annual hydrograph for the Morris Forman WQTC in **Section 6.1.1**. Flows at the plant exceeded 340 MGD seven times during the year, and exceeded 300 MGD 31 times.



7.7.6 WQTC Effluent Compliance

MSD’s policy is to operate WQTC’s in full compliance with the permitted effluent water quality standards. However, circumstances sometimes arise that may cause wastewater WQTC’s to exceed the permitted effluent limits. This reality is recognized by the National Association of Clean Water Agencies (NACWA), which gives awards at different levels (platinum, gold, silver) based on the number of effluent parameter exceedances during the year. Based on past operating history, MSD has established the target for regional plants of receiving at least the NACWA Silver Award, which requires that the WQTC have five or fewer exceedances per year of any permit parameters.

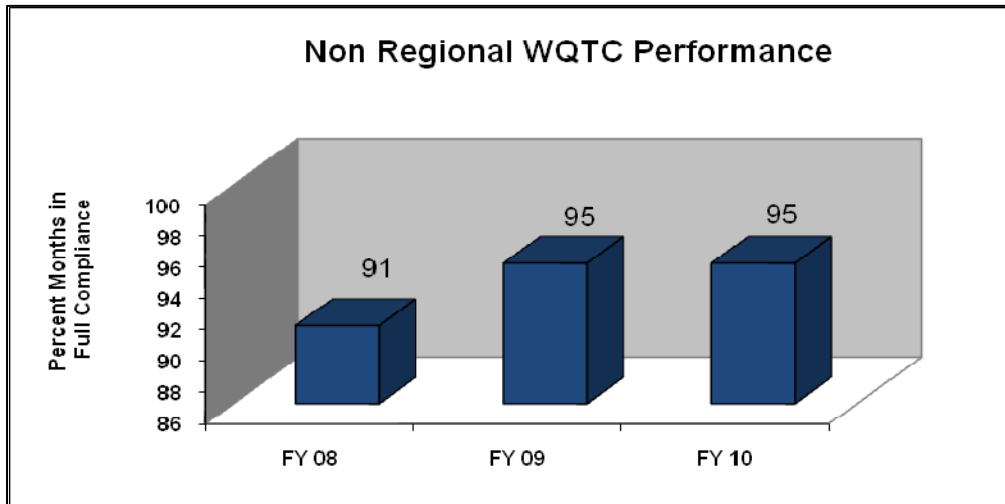
As shown in the figure below, all six regional WQTCs have achieved this goal in FY09 and FY10. During the current reporting period, Morris Forman WQTC had four exceedances. The other five regional WQTCs were in 100% compliance with permit parameters.



Since 1985, MSD has acquired more than 200 privately owned non-regional WQTCs (“package plants”). MSD currently operates 15 non-regional plants. MSD will continue to operate the non-regional WQTCs until infrastructure is constructed to divert the wastewater flow to a regional plant and ultimately eliminate the non-regional WQTC’s.

The non-regional WQTCs typically have very limited operating flexibility, and are subject to high levels of variability in loads. Most of the non-regional WQTCs have been in operation over 35 years, and typically have much poorer records of compliance than larger plants such as MSD’s regional WQTCs. This is the reason that MSD has aggressively eliminated non-regional WQTCs. As part of MSD’s continuing efforts to improve non-regional WQTC performance, MSD has a targeted goal of achieving full compliance with permit parameters in 95% of the months. As shown in the figure, 91% of the months were in full compliance in FY08, and the goal of 95% was met in FY09 and FY10.

Note that several of the non-regional WQTCs have annual “report only” requirements for total and soluble metals. Due to a MSD error only the total metals were analyzed for this annual report, and the data was therefore incomplete. The incomplete reporting events were noted as “violations” in the monthly DMRs for the affected WQTCs. Since these were reporting violations and not indicative of the plant performance in treating wastewater, they have not been included in the statistics used in the figure.



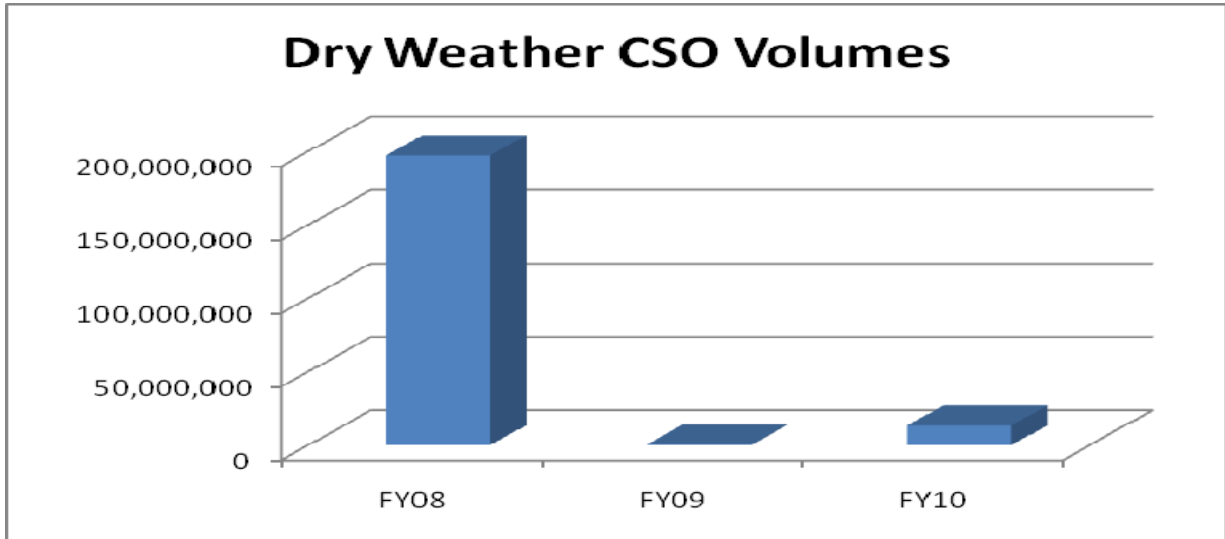
7.7.7 Dry Weather Combined Sewer Overflows

MSD has implemented NMC programs and provided resources to reduce dry weather combined sewer overflows (CSOs). The figure below shows the number of occurrences of dry weather CSOs between FY08 and FY10, in bar chart format, broken down by the problem that caused the overflow.

Dry Weather CSOs by Problem Code

	FY08	FY09	FY10
Electrical	1	1	2
USACE Flood PS	8	1	0
Mechanical	0	0	4
Obstruction	1	0	4
Power	0	0	2
Structural	1	0	1
Utility Damage	0	1	2
Roots	0	0	1
Total	11	3	16

The chart below shows the trend in dry weather CSO volumes from FY08 to FY10. These volumes have trended downward from nearly 200 MG in FY08, to under 20MG in FY10.



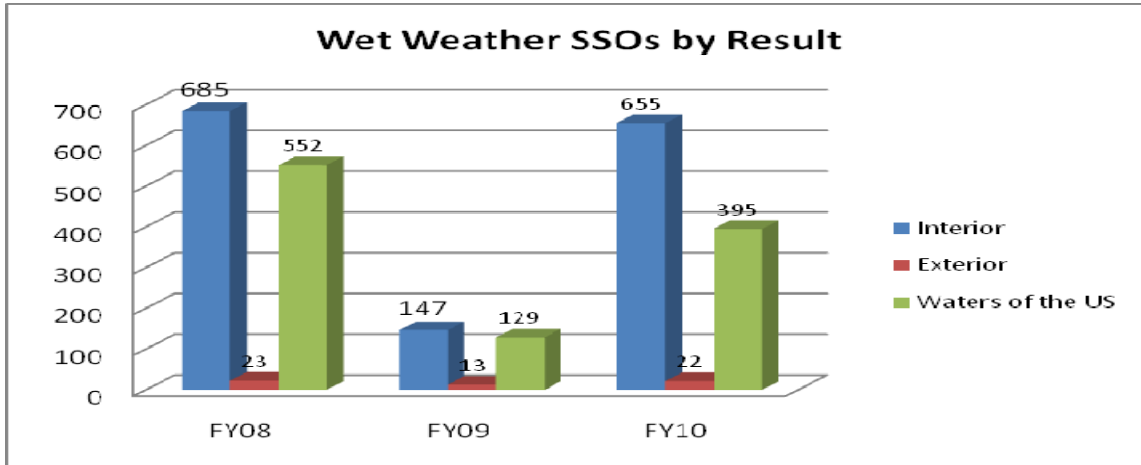
7.7.8 Wet Weather Sanitary Sewer Overflows

MSD is committed to reducing SSOs that occur during wet weather events. The accompanying figures show that in FY10 the number of wet weather SSOs dramatically increased over last year primarily due to capacity limitations. There were several significant rain events in FY10 that contributed to this number. Although MSD staff continues to utilize tanker trucks, which include portable pumps, to haul wet weather flow that is in excess of the pump station capacity, there still was an increase in the number of documented overflows.

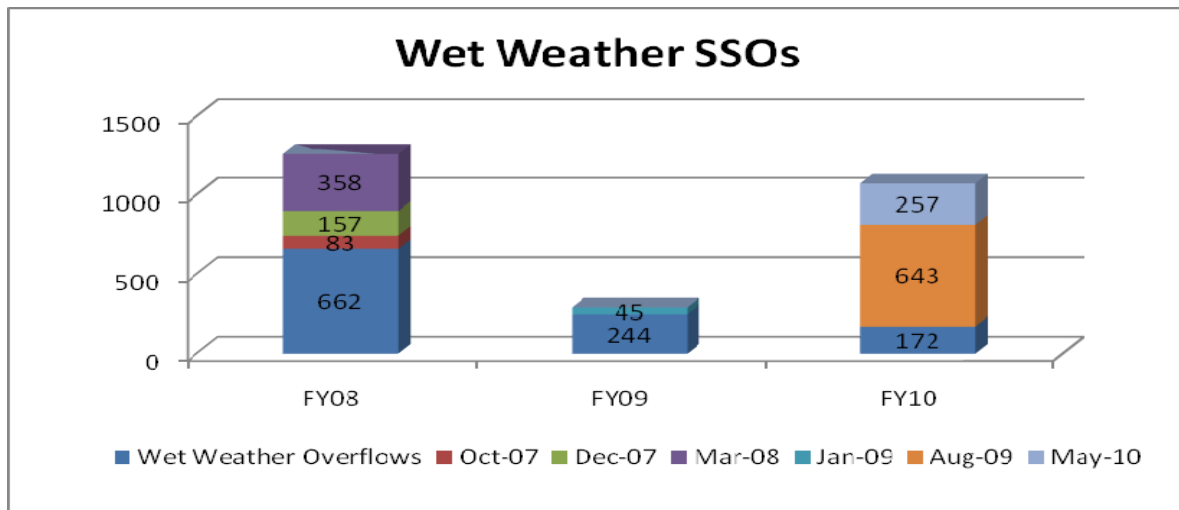
Wet Weather SSOs

	FY08	FY09	FY10
Structural	2	3	1
Electrical	2	4	5
Grease	4	7	1
Mechanical	5	1	2
Obstruction	5	22	16
Power	3	42	8
Roots	42	13	17
Bypass	21	11	20
USACE Flood PS	0	0	0
Utility Damage	2	1	0
Blend	12	12	16
Capacity	1046	151	993
Pump	116	22	53
Total	1260	289	1132

The following chart shows the SSOs by result. Due to increases in rain volumes, these metrics increased between FY09, and FY10, but continue to trend downward when considering FY08.



If the two significant rain events of August 4, 2009, and May 1, 2010, as well as significant events from FY08, and FY09 are removed from the tally of wet weather SSOs, the number of wet weather SSOs have decreased from 662 in FY08 to 244 in FY09 to 172 in FY10.

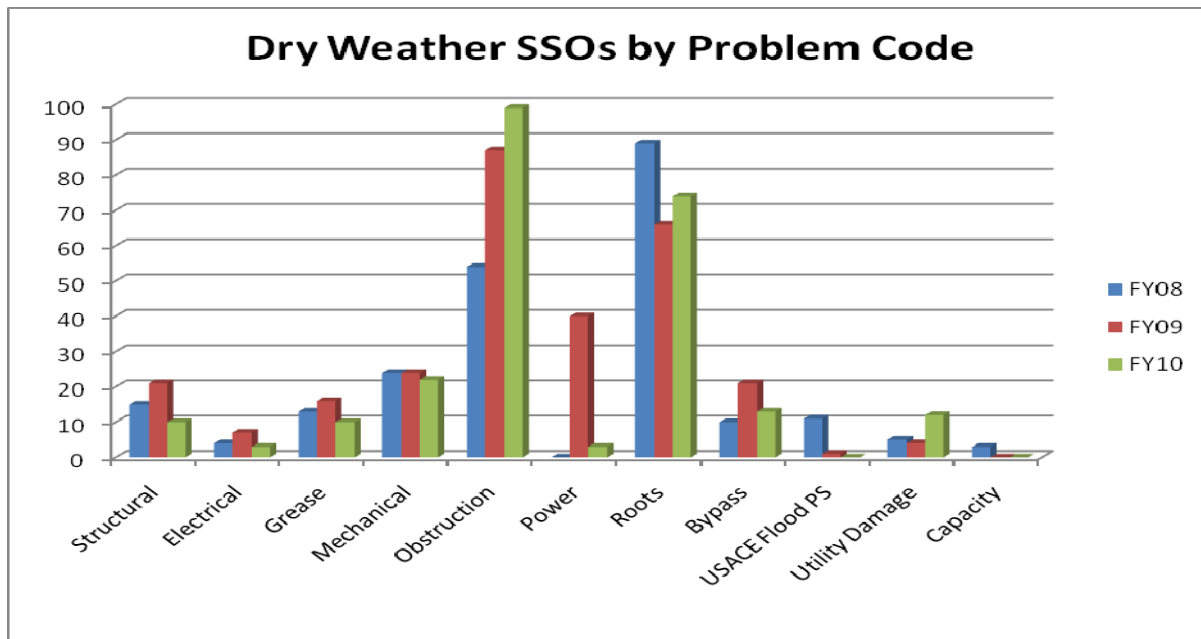
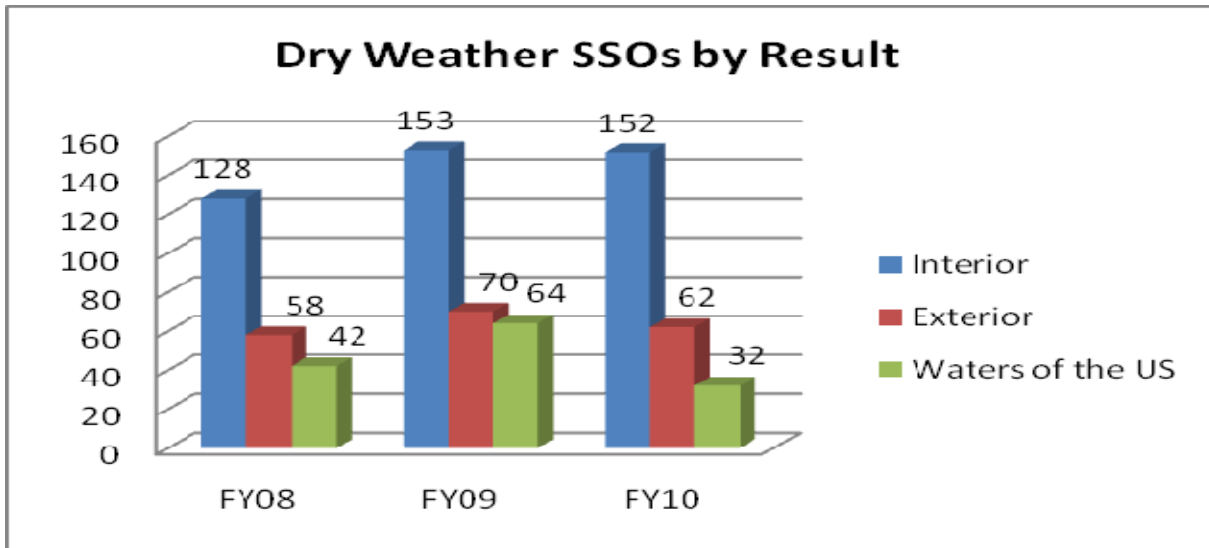


7.7.9 Dry Weather Sanitary Sewer Overflows

MSD is committed to reducing SSOs that occur during dry weather. The accompanying figures show that in FY10 the overall number of dry weather SSOs slightly decreased. **Any overflow related to a Dry Weather CSO is not shown in the charts below.**

The following chart shows the trends in dry weather SSOs by problem code for FY08, FY09, and FY10. The trends show that FOG enforcement and removal programs are effective in preventing SSOs, and that power related SSOs have trended downward due to installation of permanent generators across the district.

The following chart shows the dry weather SSOs by result for FY08, FY09, and FY10. As a result of generator installations, preventive maintenance of electrical facilities, and identification and correction of structural defects under CSSA and rehabilitation activities, the dry weather SSOs, especially to the waters of the US have decreased significantly.



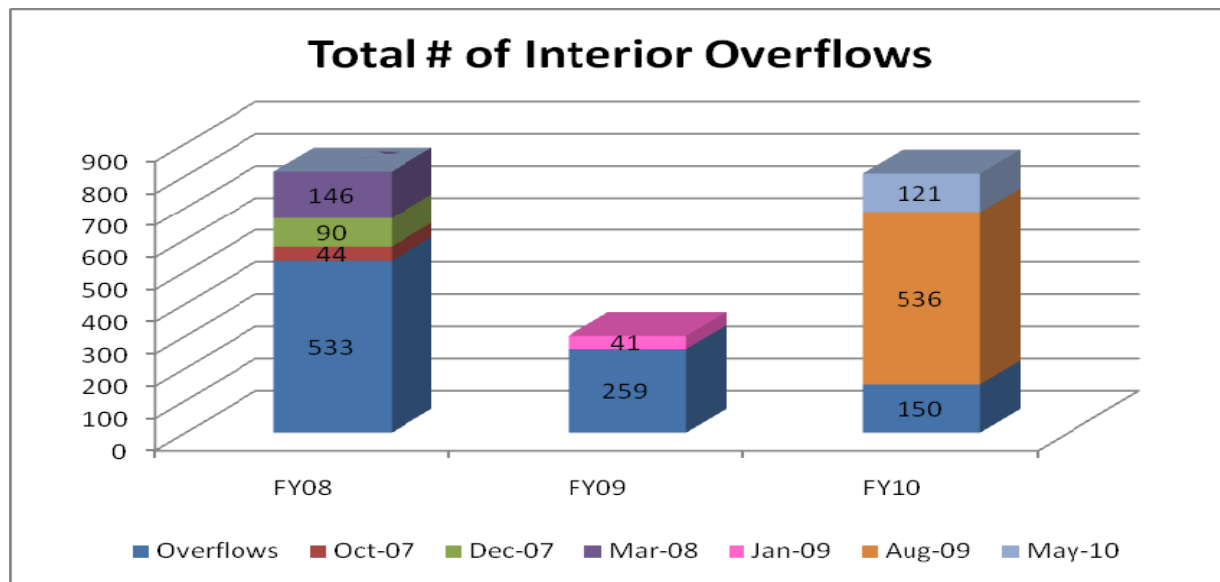
Dry Weather SSOs

	FY08	FY09	FY10
Structural	15	21	10
Electrical	4	7	3
Grease	13	16	10
Mechanical	24	24	22
Obstruction	54	87	99
Power	0	40	3
Roots	89	66	74
Bypass	10	21	13
USACE Flood PS	11	1	0
Utility Damage	5	4	12
Capacity	3	0	0
Total	228	287	246

The following figure shows the distribution of dry weather SSOs by problem code. The prevalent cause of dry weather SSOs, as shown in the figure, are due to obstructions. The enhanced CSSA and BAP activities continuing into FY11 will be honed to address these overflow issues.

7.7.10 Interior Overflows

Interior overflows are those that occur in a customer's home or facility. Those overflows that are MSD's responsibility and that are not caused by a problem in the lateral are shown in the figure below. In FY10, there were 807 interior overflows. 627 of these interior overflows reported were the result of a wet weather capacity issue (Problem code of CAP, Result code of INT and Condition code of MAIN). By removing significant events from the past 3 fiscal years, the trend of interior overflows have progressively fallen from 533 in FY08 to 259 in FY09 to 150 in FY10. This decrease can be attributed to enhanced CMOM, SSES, and CSSA activities during FY10. Interior overflows are shown in the chart below for FY08, FY09, and FY10.



7.7.11 Solids and Floatables Control

In FY07, MSD installed solids and floatable (S&F) devices at 78 locations, bringing the total number of S&F controls to 98. Three CSOs currently do not have solids and floatables control devices due to the complexities of the sites and requirements for major capital improvements. Those sites are addressed in the Final CSO LTCP.

An analysis of data from the Morris Forman WQTC shows that volumes of materials captured at the head works of the Morris Forman WQTC have nearly doubled in the years since 2006. It is inferred by this data that the increase in materials captured at Morris Forman WQTC are related to the installation of the 78 solids and floatables controls in FY07. The table below shows the increase in the volumes of materials captured at the Morris Forman WQTC head works in the years leading up to and after the installation of the additional solids and floatables controls. The additional controls increased the capture and conveyance of S&F materials to the Morris Forman WQTC by more than 100% from FY06 to FY10 as shown in the table below:

Materials Captured at the Morris Forman WQTC Head Works

FY	Amount of Debris Removed (CY)
06	4,767
07	5,504
08	8,023
09	7,380
10	11,570

SECTION 8: Supplemental Environmental Projects (SEPs) Annual Report - The program activities performed during the FY10 (**July 1, 2009, through June 30, 2010**) and activities planned for the FY11 (July 1, 2010, through June 30, 2011) are included in this section.

8.1 SEP Requirements

The original SEP requirements (August 2005) were outlined in paragraph 28 of the Consent Decree, with the specific SEPs described in Exhibit A of the Consent Decree. In April 2009 an Amended Consent Decree was filed and contained additional SEP requirements. These were outlined in paragraph 34 of the Amended Consent Decree, with the specific SEPS described in Exhibit H of the Amended Consent Decree.

The SEPs categories and related deadlines are as follows.

- **Public Health Screenings – Western Louisville** - Originally this was to be performed by December 31, 2007, subject to the approval of the Health Department. In 2007 Louisville Mayor Jerry E. Abramson signed a resolution to enter into an agreement with KDEP and MSD to organize and conduct community health screenings with results, follow-up and referrals. The scope was revised and the deadline is now April 2011.

Funding level: \$1,200,000.

- **Environmental Education and Public Outreach** -
 - Riparian buffers - Originally these activities were to be performed by August 12, 2008, but the deadline was later amended to Dec. 31, 2008. **Funding level: \$250,000 and completed prior to December 31, 2008.**
 - Sustainable Landscaping - Education, planning and plant material for implementing sustainable landscaping for urban areas. Specifically, schools and low-income housing were targeted. These activities were completed prior to the deadline of August 12, 2007. **Funding level: \$100,000 and completed prior to August 12, 2007.**
 - Outdoor Classroom - Continued support of the Outdoor Classroom program with Jefferson County Public Schools. These activities will be completed prior to the deadline of August 12, 2010. **Funding level: \$100,000 and to be completed by August 12, 2010.**
 - Kentucky Personal Responsibility in a Desirable Environment (PRIDE) – Implementation and/or expansion of PRIDE into the local and regional area. These activities were completed prior to the deadline of February 12, 2006. **Funding level: \$200,000 and completed prior to February 12, 2006.**
 - Environmental Education Certification – Continued support for the existing Certification Program. These activities will be completed prior to the deadline of August 12, 2010. **Funding level: \$50,000 and to be completed prior to August 12, 2010.**
 - Watershed Focused Environmental Groups - Provide funding to assist these groups with environmental education and public outreach activities. These activities were completed prior to the deadline of August 12, 2010. **Original**

Funding level: \$150,000. Added \$100,000 - see Property Reclamation and Community Connectivity following. **To be completed prior to August 12, 2010.**

- Bicycle and Pedway Connections along K&I Railroad Bridge and Metro Park System - These activities were completed prior to the deadline of August 12, 2010. **Funding level: \$100,000 and Completed prior to February 12, 2007.**
- **Property Reclamation and Community Connectivity** - The original scope of work was amended to direct the funding from the Lee's Lane Landfill to the Public Health Screenings and to the Watershed Focused Environmental Groups.
- **Stream Restoration Project** – The project provides one-time restoration work for various stretches of Jefferson County streams. As required, MSD submitted a stream restoration plan to EPA and KDEP within 30 days of the entry of the Amended Consent Decree. Approval of this plan was received on September 25, 2009. Within six months of approval by EPA, MSD must begin construction on the project and the work is to be complete one year from the beginning of the work. **Funding level: \$400,000 for construction. To be completed prior to March 25, 2011.**

The Consent Decree requires preparation of a SEP Completion Report within 60 days of the completion of the specific SEP. The report must address the following topics:

- A detailed description of the SEP
- A description of any operating problems encountered and the solutions thereto
- A breakdown of itemized costs
- Certification that the SEP is complete
- A description of the environmental and public health benefits resulting from the SEP

The following sections describe progress on the SEPs with continuing activities, describing the completed tasks, current status during FY10, and work planned during FY11. For SEPs completed within FY10, copies of the SEP Completion Reports are included in **Appendix K**. This documentation from MSD is considered by MSD to fulfill the commitment as stated in paragraph 34 of the Amended Consent Decree.

8.2 Public Health Screening – Western Louisville (Budget ID J06248)

This SEP was to perform public health screenings for residents adjacent to the industrialized areas of western portion of Louisville Metro. The screenings were coordinated through the Louisville Metro Department of Public Health and Wellness (LMPHW) and performed at no cost to the residents. During the screening period of September 10, 2007, to November 9, 2007, 2,407 people participated. The Community Health Screenings Project Report, with the statistical data and demographical information, was included as Section 8 of the FY09 Consent Decree Annual Report, dated December 30, 2009.

The originally proposed cost for this SEP was \$1,000,000. As a result of changes to the Property Reclamation and Community Connectivity SEP (as described in a previous subsection) the budget for this SEP was increased to \$1,200,000. The health screening was originally scheduled for completion by December 31, 2007, subject to the approval of the Health Department. A subsequent Memorandum of Understanding between MSD and the Health

Department amended the completion date to June 30, 2008, but was extended as part of the Amended Consent Decree to April 2011.

During FY10, the LMPHW staff developed the structure for the Louisville Asthma Management Program. The first step in the program was to hire an asthma counselor to lead the task. In September 2009, the counselor was hired and partnered with two local, federal qualified health centers to initiate a referral program for asthmatic children and their families. There were 15 clients contacted with six home visits completed. Kosair's Childrens Hospital and the LMPHW staff met to discuss ways of increasing the number of clients referred to the Louisville Asthma Management Program. In **Appendix K-1**, a report is provided from the LMPHW that summarizes Program accomplishments to date.

During FY11, plans are to develop a method to screen students attending fifth grade for the 16 elementary schools in the Rubbertown area for symptoms of asthma. The data will be used to work with health care providers and schools to better serve these children's needs. There are also plans to work with the University of Louisville School of Public Health to perform a walk-through of schools in the designated area to identify improvements that could be made to the school environment for asthmatics.

Funding amount: \$1,200,000

Status: Continuing, with completion scheduled for April 31, 2011.

8.3 Environmental Education Outreach and Public Outreach

This SEP is to perform, or provide funding to groups that will perform, activities to raise environmental awareness and stewardship for the local and regional community. Specific emphasis will be placed on efforts that promote watershed focused environmental activities. The original proposed cost for this SEP was \$950,000. Following the amendment of Exhibit A of the Consent Decree, the cost was changed to \$1,050,000, and the total amount was then divided among a number of different activities. Completion dates for each of the activities are addressed in the detailed descriptions that follow.

The Outdoor Classroom SEP continued support of the Outdoor Classroom program with Jefferson County Public Schools. This program was started under the Morris Forman WQTC Agreed Order in 1999, and is closely connected to the Sustainable Landscape SEP. The Outdoor Classroom SEP was allocated a total funding of \$100,000 (Budget IDs J06136, J06137, J06138, J06139), with monies to be spent before August 12, 2010. Specific projects that have been identified to date and have been active during this FY10 are as follows:

Stuart Middle School Garden Outdoor Classroom – MSD provided funding for planting material and gardening tools needed by the Stuart Middle School Environmental Club members. The club members developed a plan and constructed an outdoor classroom to be used for the sciences classes to use to enhance their study of botany, ecology, soil testing and composting. **Appendix K-2** contains a summary report of this activity.

Funding Amount: \$456

Status: Completed and reporting in FY10, with final report included in FY10 Consent Decree Annual Report as **Appendix K-2**.

Portland Elementary School – MSD provided funding and staff support to complete a shade and water garden as part of the school’s Outdoor Classroom. The teachers will use the outdoor classroom as the basis of assignments to increase student learning. Students will use the classroom for ten minute field trips as an extension of and support to existing curriculum. This work was completed in August 2010 and the final report is included in **Appendix K-3**.

Funding Amount: \$6,518.80

Status: To be completed in August 2010, with final report included in FY10 Consent Decree Annual Report as **Appendix K-3**.

8.4 Stream Restoration Project

This new SEP was identified in the April 2009 Amended Consent Decree in paragraph 34 and in Appendix H. The purpose of the SEP is to provide one-time restoration work for various stretches of Jefferson County streams with a construction cost not less than \$400,000. A stream restoration plan was required within 30 days of the entry of the Amended Consent Decree. The plan was submitted by MSD on May 14, 2009, with a re-submittal on July 23, 2009, and later approved by KDEP. See **Appendix K-4** for a copy of the approval letter and the plan.

Cherokee Park Stream Restoration (Budget ID H10140) - The project is located on the Middle Fork of Beargrass Creek which is a 303(d) listed stream. The restoration will address approximately 400 LF of the Middle Fork near Bridge 7 on Beargrass Road, Cherokee Park. The project design will include the excavation of a bank full bench, restoration of riffles and pools and other stream restoration techniques. The stream bank restoration improvement will also restore Beargrass Creek Road which has been undermined due to nearby erosion. The design was completed and applicable permits were obtained by June 30, 2010. During the FY11 reporting period, MSD will award a construction contract to install these stream improvements with construction to be completed by March 2011.

Funding Amount: \$200,000 for construction.

Status: Design was completed and permits were obtained during FY10. Construction will be completed in FY11.

Pond Creek/Mill Creek Trail Corridor and Ecosystem Restoration (Budget ID H10141) - The project includes two sites, one along Pond Creek and one on an intermittent tributary of Pond Creek with Pond Creek being a 303(d) listed stream. On the Pond Creek site, there will be removal of invasive species along 1200 LF of stream bank and floodplain followed by planting of native species in the area. The Pond Creek tributary project will include the restoration of the existing channel for approximately 1800 LF. Restoration efforts will include the installation of in-stream natural structures and establishing native vegetation along the restored stream bank. During FY10, design was initiated and reached a 95% level. The design was completed and the applicable permits obtained by June 30, 2010, with construction to be completed by March 2011.

Funding Amount: \$200,000 for construction.

Status: Design reached the 95% stage during FY10 and construction will be completed in FY11.

APPENDIX A - ACTIVITY SCHEDULES

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011				
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	
27th STREET FLOOD PUMP STATION											
H091269000	27TH ST FPS DWO ELIMINATION - FORCE ACCOUNT	0%									27TH ST FPS DWO ELIMINATION - FORCE ACCOUNT
H091262901	27TH ST FPS DWO ELIMINATION - PROJECT MANAGEMENT	0%									27TH ST FPS DWO ELIMINATION - PROJECT MANAGEMENT
H091262000	27TH ST FPS DWO ELIMINATION - DESIGN	0%									27TH ST FPS DWO ELIMINATION - DESIGN
34th STREET FPS DWO ELIMINATION											
H084789000	34TH ST FPS DWO ELIMINATION - FACCT	0%									34TH ST FPS DWO ELIMINATION - FACCT
H084786900	34TH ST FPS DWO ELIMINATION - SUBST COMPL	0%									
H084786000	34TH ST FPS DWO ELIMINATION - CONSTRUCTION	0%									34TH ST FPS DWO ELIMINATION - CONSTRUCTION
H084784500	34TH ST FPS DWO ELIMINATION -AWARD	0%									34TH ST FPS DWO ELIMINATION -AWARD
H084784050	34TH ST FPS DWO ELIMINATION - BID OPEN	0%									34TH ST FPS DWO ELIMINATION - BID OPEN
H084784000	34TH ST FPS DWO ELIMINATION -AD DATE	0%									34TH ST FPS DWO ELIMINATION -AD DATE
H084782904	34TH ST FPS DWO ELIM DESIGN FEES 100%	0%									34TH ST FPS DWO ELIM DESIGN FEES 100%
H084782903	34TH ST FPS DWO ELIM DESIGN FEES 95%	100%									34TH ST FPS DWO ELIM DESIGN FEES 95%
H084782902	34TH ST FPS DWO ELIM DESIGN FEES 80%	100%									34TH ST FPS DWO ELIM DESIGN FEES 80%
H084782901	34TH ST FPS DWO ELIM DESIGN FEES 50%	100%									34TH ST FPS DWO ELIM DESIGN FEES 50%
H084782001	34TH ST FPS DWO ELIMINATION - NTP	100%									34TH ST FPS DWO ELIMINATION - NTP
H084782000	34TH ST FPS DWO ELIMINATION - DESIGN	100%									34TH ST FPS DWO ELIMINATION - DESIGN
4th STREET FPS DWO ELIMINATION											
H084776000	4TH ST FPS DWO ELIMINATION - CONSTRUCTION	0%									4TH ST FPS DWO ELIMINATION - CONSTRUCTION
H084774500	4TH ST FPS DWO ELIMINATION - AWARD	0%									4TH ST FPS DWO ELIMINATION - AWARD
H084774050	4TH ST FPS DWO ELIMINATION-BID OPEN	0%									4TH ST FPS DWO ELIMINATION-BID OPEN
H084774000	4TH ST FPS DWO ELIMINATION - AD DATE	0%									4TH ST FPS DWO ELIMINATION - AD DATE
H084772907	4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 100%	0%									4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 100%
H084772906	4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 95%	100%									4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 95%
H084772905	4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 80%	100%									4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 80%
H084772904	4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 50%	100%									4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 50%
ADAMS STREET STORAGE BASIN											
H091359000	ADAMS STREET STORAGE BASIN - FORCE ACCOUNT	0%									ADAMS STREET STORAGE BASIN - FORCE ACCOUNT
H091353000	ADAMS STREET STORAGE BASIN - EASEMENT	0%									ADAMS STREET STORAGE BASIN - EASEMENT
H091352000	ADAMS STREET STORAGE BASIN - DESIGN	0%									ADAMS STREET STORAGE BASIN - DESIGN
ASHBURTON PS IMPROVEMENTS/DIVERSION											
A090929000	ASHBURTON PS IMPROVEMENTS/DIVERSION - FACCT	100%									ASHBURTON PS IMPROVEMENTS/DIVERSION - FACCT
A090928050	ASHBURTON PS IMPROVEMENTS/DIVERSION - CD CERTIFY	100%									ASHBURTON PS IMPROVEMENTS/DIVERSION - CD CERTIFY
A090926990	ASHBURTON PS IMPROVEMENTS/DIVERSION - WARRANTY	0%									ASHBURTON PS IMPROVEMENTS/DIVERSION - WARRANTY
A090926950	ASHBURTON PS IMPROVEMENTS/DIVERSION - AS-BUILTS	100%									ASHBURTON PS IMPROVEMENTS/DIVERSION - AS-BUILTS
A090926000	ASHBURTON PS IMPROVEMENTS/DIVERSION - CONSTRUCT	100%									ASHBURTON PS IMPROVEMENTS/DIVERSION - CONSTRUCT
A090924500	ASHBURTON PS IMPROVEMENTS/DIVERSION - AWARD	100%									ASHBURTON PS IMPROVEMENTS/DIVERSION - AWARD
A090924050	ASHBURTON PS IMPROVEMENTS/DIVERSION - BID OPEN	100%									ASHBURTON PS IMPROVEMENTS/DIVERSION - BID OPEN
A090924000	ASHBURTON PS IMPROVEMENTS/DIVERSION - AD DATE	100%									ASHBURTON PS IMPROVEMENTS/DIVERSION - AD DATE
A090922000	ASHBURTON PS IMPROVEMENTS/DIVERSION - DESIGN	100%									ASHBURTON PS IMPROVEMENTS/DIVERSION - DESIGN
BEARGRASS INTERCEPTOR REHABILITATION PH II											
H092399000	BEARGRASS INTERCEPTOR REHAB PH II - FORCE ACCOU...	0%									BEARGRASS INTERCEPTOR REHAB PH II - FORCE ACCOU...
H092396000	BEARGRASS INTERCEPTOR REHAB PH II - CONSTRUCTION	0%									BEARGRASS INTERCEPTOR REHAB PH II - CONSTRUCTION
H092394500	BEARGRASS INTERCEPTOR REHAB PH II - AWARD	0%									BEARGRASS INTERCEPTOR REHAB PH II - AWARD
H092394050	BEARGRASS INTERCEPTOR REHAB PH II - BID OPEN	0%									BEARGRASS INTERCEPTOR REHAB PH II - BID OPEN
H092394000	BEARGRASS INTERCEPTOR REHAB PH II- AD DATE	0%									BEARGRASS INTERCEPTOR REHAB PH II- AD DATE

█ Remaining Level of Effort
 █ Remaining Work
 █ Actual Work
 █ Critical Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H092393000	BEARGRASS INTERCEPTOR REHAB PH II - EASEMENT	0%								BEARGRASS INTERCEPTOR REHAB PH II - EASEMENT
H092392000	BEARGRASS INTERCEPTOR REHAB PH II - DESIGN	60%	BEARGRASS INTERCEPTOR REHAB PH II - DESIGN							
BEECHWOOD VILLAGE SS REPL - EAST PORTION										
E072618050	BEECHWOOD VILLAGE SS REPL EAST - CD CERTIFY	0%								◆ BEECHWOOD VILLAGE SS REPL EAST - CD CERTIFY
E072616990	BEECHWOOD VILLAGE SS REPL EAST - WARRANTY	0%								
E072616950	BEECHWOOD VILLAGE SS REPL EAST - AS-BUILTS	0%								◆ BEECHWOOD VILLAGE SS REPL EAST - AS-BUILTS
E072616900	BEECHWOOD VILLAGE SS REPL EAST-SUBST COMPLETE	0%								◆ BEECHWOOD VILLAGE SS REPL EAST-SUBST COMPLETE
BEECHWOOD VILLAGE SS REPL - WEST PORTION										
E080348050	BEECHWOOD VILLAGE SS REPL WEST - CD CERTIFY	0%								◆ BEECHWOOD VILLAGE SS REPL WEST - CD CERTIFY
E080346950	BEECHWOOD VILLAGE SS REPL WEST - AS-BUILTS	0%								◆ BEECHWOOD VILLAGE SS REPL WEST - AS-B
E080346900	BEECHWOOD VILLAGE SS REPL WEST - SUBST COMPL	0%								◆ BEECHWOOD VILLAGE SS REPL WEST - SUBST COMPL
E080346000	BEECHWOOD VILLAGE SS REPL WEST - CONSTRUCTION	10%	BEECHWOOD VILLAGE SS REPL WEST - CONSTRUCTION							
E080344500	BEECHWOOD VILLAGE SS REPL WEST - AWARD	100%	◆ BEECHWOOD VILLAGE SS REPL WEST - AWARD							
BERRYTOWN SSES										
H093879000	BERRYTOWN SSES - FACCT	0%					BERRYTOWN SSES - FACCT			
H093872905	BERRYTOWN SSES - FINAL REPORT AND RECOMMEND	0%					BERRYTOWN SSES - FINAL REPORT AND RECOMMEND			
H093872904	BERRYTOWN SSES - DATA ANALYSIS AND REPORTING	0%					BERRYTOWN SSES - DATA ANALYSIS AND REPORTING			
H093872903	BERRYTOWN SSES - PUBLIC RELATIONS	0%					BERRYTOWN SSES - PUBLIC RELATIONS			
H093872902	BERRYTOWN SSES - PROJECT COORDINATION	0%					BERRYTOWN SSES - PROJECT COORDINATION			
H093872901	BERRYTOWN SSES - CCTV	0%					BERRYTOWN SSES - CCTV			
H093871220	BERRYTOWN SSES REPORT	50%					BERRYTOWN SSES REPORT			
H093871000	BERRYTOWN SSES - PLANNING	100%	BERRYTOWN SSES - PLANNING							
BUECHEL SURGE BASIN										
H072886000	BUECHEL SURGE BASIN - CONSTRUCTION	0%								BUECH
H072884500	BUECHEL SURGE BASIN - AWARD	0%								◆ BUECHEL SURGE
H072884050	BUECHEL SURGE BASIN - BID OPEN	0%								◆ BUECHEL SURGE BASI
H072884000	BUECHEL SURGE BASIN - AD DATE	0%								◆ BUECHEL SURGE BASIN - AD
H072883000	BUECHEL SURGE BASIN - EASEMENTS	100%	BUECHEL SURGE BASIN - EASEMENTS							
H072882908	BUECHEL BASIN ASSISTANCE DURING BIDDING	0%					BUECHEL BASIN ASSISTANCE DURING BIDDING			
H072882905	BUECHEL BASIN 60% DESIGN	0%								BUECHEL BASIN 60% DESIGN
H072882904	BUECHEL BASIN 30% DESIGN	100%					BUECHEL BASIN 30% DESIGN			
H072882903	BUECHEL BASIN 20% DESIGN	100%					BUECHEL BASIN 20% DESIGN			
H072882902	BUECHEL BASIN 10% DESIGN	100%					BUECHEL BASIN 10% DESIGN			
H072882901	BUECHEL BASIN 5% DESIGN	100%					BUECHEL BASIN 5% DESIGN			
H072882000	BUECHEL SURGE BASIN - DESIGN	0%					BUECHEL SURGE BASIN - DESIGN			
CAMP TAYLOR #1 - SSES										
H092019000	CAMP TAYLOR #1 SSES - FORCE ACCOUNT	0%					CAMP TAYLOR #1 SSES - FORCE ACCOUNT			
H092013000	CAMP TAYLOR #1 SSES - EASEMENT	0%					CAMP TAYLOR #1 SSES - EASEMENT			
H092012000	CAMP TAYLOR #1 SSES - DESIGN	0%					CAMP TAYLOR #1 SSES - DESIGN			
H092011000	CAMP TAYLOR #1 SSES - SSES	0%					CAMP TAYLOR #1 SSES - SSES			
CAMP TAYLOR #2 - REPLACE SEWERS										
H092209000	CAMP TAYLOR #2 REPLACE SEWERS - FORCE ACCOUNT	0%					CAMP TAYLOR #2 REPLACE SEWERS - FORCE ACCOUNT			
H092203000	CAMP TAYLOR #2 REPLACE SEWERS - EASEMENT	0%					CAMP TAYLOR #2 REPLACE SEWERS - EASEMENT			
H092202000	CAMP TAYLOR #2 REPLACE SEWERS - DESIGN	0%					CAMP TAYLOR #2 REPLACE SEWERS - DESIGN			
CAMP TAYLOR PHASE 1 SSES										
H093889000	CAMP TAYLOR PHASE 1 SSES - FACCT	0%					CAMP TAYLOR PHASE 1 SSES - FACCT			

■ Remaining Level of Effort
 ■ Remaining Work
 ◆ Milestone
■ Actual Work
 ■ Critical Remaining Work

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011				
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	
H093882920	STORMWATER INVENTORY - ENGINEERING/COORDINATION	0%					STORMWATER INVENTORY - ENGINEERING/COORDINATION				
H093882919	FLOW MONITORING - ENGINEERING/COORDINATION	0%					FLOW MONITORING - ENGINEERING/COORDINATION				
H093882918	FINAL PROJECT REPORT	0%					FINAL PROJECT REPORT				
H093882917	DRAFT BASIN REPORTS AREA 5	0%					DRAFT BASIN REPORTS AREA 5				
H093882916	DRAFT BASIN REPORTS AREA 4	0%					DRAFT BASIN REPORTS AREA 4				
H093882915	DRAFT BASIN REPORTS AREA 3	0%					DRAFT BASIN REPORTS AREA 3				
H093882914	DRAFT BASIN REPORTS AREA 2	0%					DRAFT BASIN REPORTS AREA 2				
H093882913	DRAFT BASIN REPORTS AREA 1	0%					DRAFT BASIN REPORTS AREA 1				
H093882912	PRIVATE PROPERTY INSPECTIONS - ENG/COORD	0%					PRIVATE PROPERTY INSPECTIONS - ENG/COORD				
H093882911	MANHOLE INSPECTION - ENGINEERING/COORDINATION	0%					MANHOLE INSPECTION - ENGINEERING/COORDINATION				
H093882910	CCTV - ENGINEERING /COORDINATION	0%					CCTV - ENGINEERING /COORDINATION				
H093882909	SMOKE TESTING - ENGINEERING/COORDINATION	0%					SMOKE TESTING - ENGINEERING/COORDINATION				
H093882908	MONTHLY PROJECT MANAGEMENT REPORTS	0%					MONTHLY PROJECT MANAGEMENT REPORTS				
H093882907	INITIAL DATA COLLECTION AND REVIEW	0%					INITIAL DATA COLLECTION AND REVIEW				
H093882906	PROJECT WORK PLAN	0%					PROJECT WORK PLAN				
H093882905	CAMP TAYLOR RECON AREA 5	0%					CAMP TAYLOR RECON AREA 5				
H093882904	CAMP TAYLOR RECON AREA 4	0%					CAMP TAYLOR RECON AREA 4				
H093882903	CAMP TAYLOR RECON AREA 3	0%					CAMP TAYLOR RECON AREA 3				
H093882902	CAMP TAYLOR RECON AREA 2	0%					CAMP TAYLOR RECON AREA 2				
H093882901	CAMP TAYLOR RECON AREA 1	0%					CAMP TAYLOR RECON AREA 1				
H093881000	CAMP TAYLOR PHASE 1 SSES - PLANNING	0%					CAMP TAYLOR PHASE 1 SSES - PLANNING				
CAMP TAYLOR SSR PHASE 1											
H094079000	CAMP TAYLOR SSR PHASE 1 - FACCT	0%					CAMP TAYLOR SSR PHASE 1 - FACCT				
H094076000	CAMP TAYLOR SSR PHASE 1 - CONSTRUCTION	0%					CAMP TAYLOR SSR PHASE 1 - CONSTRUCTION				
H094074500	CAMP TAYLOR SSR PHASE 1 - AWARD	0%					◆ CAMP TAYLOR SSR PHASE 1 - AWARD				
H094074050	CAMP TAYLOR SSR PHASE 1 - BID OPEN	0%					◆ CAMP TAYLOR SSR PHASE 1 - BID OPEN				
H094074000	CAMP TAYLOR SSR PHASE 1 - AD DATE	0%					◆ CAMP TAYLOR SSR PHASE 1 - AD DATE				
H094072000	CAMP TAYLOR SSR PHASE 1 - DESIGN	0%					CAMP TAYLOR SSR PHASE 1 - DESIGN				
CEDAR CREEK SSES											
H093899000	CEDAR CREEK SSES - FACCT	0%					CEDAR CREEK SSES - FACCT				
H093892914	CEDAR CREEK SSES - TESTING, CLEANING, INSPECTIONS...	0%					CEDAR CREEK SSES - TESTING, CLEANING, INSPECTIONS, ETC				
H093892913	CEDAR CREEK SSES - EXPENSES	0%					CEDAR CREEK SSES - EXPENSES				
H093892912	CEDAR CREEK SSES - MONTHLY MEETINGS/PM REPORT	0%					CEDAR CREEK SSES - MONTHLY MEETINGS/PM REPORT				
H093892911	CEDAR CREEK SSES - PROJECT COORDINATION	0%					CEDAR CREEK SSES - PROJECT COORDINATION				
H093892910	CEDAR CREEK SSES - REPORT AND RECOMMENDATIONS	0%					CEDAR CREEK SSES - REPORT AND RECOMMENDATIONS				
H093892909	CEDAR CREEK SSES - DRAFT BASIN REPORTS LITTLE CE...	0%					CEDAR CREEK SSES - DRAFT BASIN REPORTS LITTLE CEDAR CREEK				
H093892908	CEDAR CREEK SSES - DRAFT BASIN REPORTS EDSSEL PS	0%					CEDAR CREEK SSES - DRAFT BASIN REPORTS EDSSEL PS				
H093892907	CEDAR CREEK SSES - DATA QA/QC, ANALYSIS, DEFECT ID...	0%					CEDAR CREEK SSES - DATA QA/QC, ANALYSIS, DEFECT ID/REPRESENTATION				
H093892906	CEDAR CREEK SSES -DATA ENTRY FORMS/FIELD MAPPING	0%					CEDAR CREEK SSES -DATA ENTRY FORMS/FIELD MAPPING				
H093892905	CEDAR CREEK SSES - SIGNAGE/DOOR HANGERS	0%					CEDAR CREEK SSES - SIGNAGE/DOOR HANGERS				
H093892904	CEDAR CREEK SSES - NEIGHBORHOOD MEETINGS/MATE...	0%					CEDAR CREEK SSES - NEIGHBORHOOD MEETINGS/MATERIALS				
H093892903	CEDAR CREEK SSES - NOTIFICATION PLAN	0%					CEDAR CREEK SSES - NOTIFICATION PLAN				
H093892902	CEDAR CREEK SSES -DATA COLLECTION, REVIEW, BASIN ...	0%					CEDAR CREEK SSES -DATA COLLECTION, REVIEW, BASIN DELINEATION				
H093892901	CEDAR CREEK SSES - PROJECT WORK PLAN	0%					CEDAR CREEK SSES - PROJECT WORK PLAN				
H093891220	CEDAR CREEK SSES REPORT	50%					CEDAR CREEK SSES REPORT				
H093891000	CEDAR CREEK SSES - PLANNING	100%	CEDAR CREEK SSES - PLANNING								

█ Remaining Level of Effort
 █ Remaining Work
 █ Actual Work
 █ Critical Remaining Work
 ▶ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H100839000	CENTRAL REGION EMERG GENERATOR PH3-FACCT	0%			CENTRAL REGION EMERG GENERATOR PH3-FACCT					
H100836000	CENTRAL REGION EMERG GENERATOR PH3-CONST	90%			CENTRAL REGION EMERG GENERATOR PH3-CONST					
H100834500	CENTRAL REGION EMERG GENERATOR PH3 - AWARD	100%			◆ CENTRAL REGION EMERG GENERATOR PH3 - AWARD					
H100834050	CENTRAL REGION EMERG GENERATOR PH3 - BID OPEN	100%			◆ CENTRAL REGION EMERG GENERATOR PH3 - BID OPEN					
H100834000	CENTRAL REGION EMERG GENERATOR PH3 - AD DATE	100%			◆ CENTRAL REGION EMERG GENERATOR PH3 - AD DATE					
CHARLESWOOD SUBDIVISION INT. #23										
C941038050	CHARLESWOOD SUBD. INT. EXTENSION - CD CERTIFY	0%							◆ CHARLESWOOD SUBD. INT. EXTENSION - CD CERTIFY	
C941034500	CHARLESWOOD SUBD. INT. #23 - AWARD	0%							◆ CHARLESWOOD SUBD. INT. #23 - AWARD	
C941034050	CHARLESWOOD SUBD. INT. #23 - BID OPEN	0%							◆ CHARLESWOOD SUBD. INT. #23 - BID OPEN	
C941034000	CHARLESWOOD SUBD. INT. #23 - AD DATE	0%							◆ CHARLESWOOD SUBD. INT. #23 - AD DATE	
CHEN HILLS WWTP ELIMINATION & PUMP STATION ELIMINATION										
H092389000	CHEN HILLS WWTP ELIMINATION & PUMP STATION ELIMI...	0%							CHEN HILLS WWTP ELIMINATION & PUMP STATION ELIMINATION - FOR	
H092382000	CHEN HILLS WWTP ELIMINATION & PUMP STATION ELIMIN...	0%							CHEN HILLS WWTP ELIMINATION & PUMP STATION ELIMINATION - DES	
CHEROKEE SSES										
H093909000	CHEROKEE SSES - FACCT	0%							CHEROKEE SSES - FACCT	
H093901220	CHEROKEE SSES REPORT	0%							CHEROKEE SSES REPORT	
H093901000	CHEROKEE SSES - PLANNING	100%	CHEROKEE SSES - PLANNING							
CLIMATE CHANGE STORM INTENSITY IMPACTS										
H101349000	CLIMATE CHANGE STORM INTENSITY IMPACTS - FACCT	0%							CLIMATE CHANGE STORM INTENSITY IMPACTS - FACCT	
H101341000	CLIMATE CHANGE STORM INTENSITY IMPACTS - PLANNING	0%							CLIMATE CHANGE STORM INTENSITY IMPACTS - PLANNING	
CMOM AAM FY10										
H093439000	CMOM AAM FY10 - FORCE ACCT	0%							CMOM AAM FY10 - FORCE ACCT	
H093431000	CMOM AAM FY10 - PLANNING	0%							CMOM AAM FY10 - PLANNING	
CMOM AAM FY11										
H093579000	CMOM AAM FY11 - FACCT	0%							CMOM AAM FY11 - FACCT	
H093571000	CMOM AAM FY11 - PLANNING	0%							CMOM AAM FY11 - PLANNING	
CMOM CPE/CCP FY10										
H093469000	CMOM CPE/CCP FY10 - FORCE ACCT	0%							CMOM CPE/CCP FY10 - FORCE ACCT	
H093461000	CMOM CPE/CCP FY10 - PLANNING	0%							CMOM CPE/CCP FY10 - PLANNING	
CMOM CPE/CCP FY11										
H093609000	CMOM CPE/CCP FY11 - FACCT	0%							CMOM CPE/CCP FY11 - FACCT	
H093601000	CMOM CPE/CCP FY11 - PLANNING	0%							CMOM CPE/CCP FY11 - PLANNING	
CMOM DATA FY10										
H093409000	CMOM DATA FY10 - FORCE ACCT	0%							CMOM DATA FY10 - FORCE ACCT	
H093401000	CMOM DATA FY10 - PLANNING	0%							CMOM DATA FY10 - PLANNING	
CMOM DATA FY11										
H093549000	CMOM DATA FY11 - FACCT	0%							CMOM DATA FY11 - FACCT	
H093541000	CMOM DATA FY11 - PLANNING	0%							CMOM DATA FY11 - PLANNING	
CMOM FLOW MONITORING FY10										
H093479000	CMOM FLOW MONITORING FY10 - FORCE ACCT	0%							CMOM FLOW MONITORING FY10 - FORCE ACCT	
H093471000	CMOM FLOW MONITORING FY10 - PLANNING	0%							CMOM FLOW MONITORING FY10 - PLANNING	
CMOM FLOW MONITORING FY11										
H093619000	CMOM FLOW MONITORING FY11 - FACCT	0%							CMOM FLOW MONITORING FY11 - FACCT	
H093611000	CMOM FLOW MONITORING FY11 - PLANNING	0%							CMOM FLOW MONITORING FY11 - PLANNING	
CMOM FOG FY10										

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Activity ID	Activity Name	Physical % Complete	FY2010				FY2011				
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	
H093369000	CMOM FOG FY10 - FACCT	0%									
H093361000	CMOM FOG FY10 - PLANNING	0%									
CMOM FOG FY11											
H093509000	CMOM FOG FY11 - FORCE ACCT	0%									
H093501000	CMOM FOG FY11 - PLANNING	0%									
CMOM GENERATORS FY10											
H093379000	CMOM GENERATORS FY10 - FORCE ACCT	0%									
H093371000	CMOM GENERATORS FY10 - PLANNING	0%									
CMOM GENERATORS FY11											
H093519000	CMOM GENERATORS FY11 - FORCE ACCT	0%									
H093511000	CMOM GENERATORS FY11 - PLANNING	0%									
CMOM GIS SUPPORT FY10											
H093429000	CMOM GIS SUPPORT FY10 - FORCE ACCT	0%									
H093421000	CMOM GIS SUPPORT FY10 - PLANNING	0%									
CMOM GIS SUPPORT FY11											
H093569000	CMOM GIS SUPPORT FY11 - FACCT	0%									
H093561000	CMOM GIS SUPPORT FY11 - PLANNING	0%									
CMOM PM ASSISTANCE FY10											
H093499000	CMOM PM ASSISTANCE FY10 - FORCE ACCT	0%									
H093491000	CMOM PM ASSISTANCE FY10 - PLANNING	0%									
CMOM PM ASSISTANCE FY11											
H093639000	CMOM PM ASSISTANCE FY11 - FACCT	0%									
H093631000	CMOM PM ASSISTANCE FY11 - PLANNING	0%									
CMOM PRE/POST FM FY10											
H093489000	CMOM PRE/POST FM FY10 - FORCE ACCT	0%									
H093481000	CMOM PRE/POST FM FY10 - PLANNING	0%									
CMOM PRE/POST FM FY11											
H093629000	CMOM PRE/POST FM FY11 - FACCT	0%									
H093621000	CMOM PRE/POST FM FY11 - PLANNING	0%									
CMOM PS UPGRADES FY10											
H093389000	CMOM PS UPGRADES FY10 - FORCE ACCOUNT	0%									
H093381000	CMOM PS UPGRADES FY10 - PLANNING	0%									
CMOM PS UPGRADES FY11											
H093529000	CMOM PS UPGRADES FY11 - FORCE ACCT	0%									
H093521000	CMOM PS UPGRADES FY11 - PLANNING	0%									
CMOM REPORTING FY10											
H093419000	CMOM REPORTING FY10 - FORCE ACCT	0%									
H093411000	CMOM REPORTING FY10 - PLANNING	0%									
CMOM REPORTING FY11											
H093559000	CMOM REPORTING FY11 - FACCT	0%									
H093551000	CMOM REPORTING FY11 - PLANNING	0%									
CMOM SCAP FY10											
H093449000	CMOM SCAP FY10 - FORCE ACCT	0%									
H093441000	CMOM SCAP FY10 - PLANNING	0%									
CMOM SCAP FY11											

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Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H093589000	CMOM SCAP FY11 - FACCT	0%					CMOM SCAP FY11 - FACCT			
H093581000	CMOM SCAP FY11 - PLANNING	0%					CMOM SCAP FY11 - PLANNING			
CMOM WEB PORTAL FY10										
H093459000	CMOM WEB PORTAL FY10 - FORCE ACCT	0%					CMOM WEB PORTAL FY10 - FORCE ACCT			
H093451000	CMOM WEB PORTAL FY10 - PLANNING	0%					CMOM WEB PORTAL FY10 - PLANNING			
CMOM WEB PORTAL FY11										
H093599000	CMOM WEB PORTAL FY11 - FACCT	0%					CMOM WEB PORTAL FY11 - FACCT			
H093591000	CMOM WEB PORTAL FY11 - PLANNING	0%					CMOM WEB PORTAL FY11 - PLANNING			
CMOM WWTP WO FY10										
H093399000	CMOM WWTP WO FY10 - FORCE ACCT	0%					CMOM WWTP WO FY10 - FORCE ACCT			
H093391000	CMOM WWTP WO FY10 - PLANNING	0%					CMOM WWTP WO FY10 - PLANNING			
CMOM WWTP WO FY11										
H093539000	CMOM WWTP WO FY11 - FORCE ACCT	0%					CMOM WWTP WO FY11 - FORCE ACCT			
H093531000	CMOM WWTP WO FY11 - PLANNING	0%					CMOM WWTP WO FY11 - PLANNING			
CONGRESS ST (2400 BLK) ALLEY										
H110319000	CONGRESS ST (2400 BLK) ALLEY- FORCE ACCOUNT	0%							CONGRESS ST (2400 BLK) ALLEY- FORCE ACCO	
H110318050	CONGRESS ST (2400 BLK) ALLEY - CD CERTIFY	0%					CONGRESS ST (2400 BLK) ALLEY - CD CERTIFY			
H110311000	CONGRESS ST (2400 BLK) ALLEY - PLANNING	0%					CONGRESS ST (2400 BLK) ALLEY - PLANNING			
CONSENT DECREE - LONG TERM CONTROL PLAN (LTCP)										
H094328050	GI CAMPBELL & MAIN ALLEY - CD CERTIFY	100%								
H094322901	GI CAMPBELL & MAIN ALLEY - DRILLING	0%								
H091423000	LOGAN ST & BRECKENRIDGE ST STORAGE BASIN - EASE...	0%							LOGAN ST & BRECKENRIDGE	
H091362901	SHAWNEE FPS DWO ELIMINATION - PROJECT MANAGEME...	0%							SHAWNEE FPS DWO ELIMINATION	
H091352901	ADAMS STREET STORAGE BASIN - ANALYZE DESIGN ALT...	0%					ADAMS STREET STORAGE BASIN - ANALYZE DESIGN ALTERNATIVES			
H091272902	STORY AVE & MAIN ST STORAGE BASIN- COMPLETE REP...	0%					STORY AVE & MAIN ST STORAGE BASIN- COMPLETE REPORT AND SELECTIVE ALTERN			
H091272901	STORY AVE & MAIN ST STORAGE BASIN- COMPLETE ALTE...	0%					STORY AVE & MAIN ST STORAGE BASIN- COMPLETE ALTERNATIVE STUDY			
H091262908	27TH STREET FLOOD PUMP STATION - BIDDING ASSISTAN...	0%					27TH STREET FLOOD PUMP STATION - BIDDING ASSISTANCE			
H091262907	27TH STREET FLOOD PUMP STATION - COST ESTIMATE	0%					27TH STREET FLOOD PUMP STATION - COST ESTIMATE			
H091262906	27TH STREET FLOOD PUMP STATION - SPECIFICATIONS	0%					27TH STREET FLOOD PUMP STATION - SPECIFICATIONS			
H091262905	27TH STREET FLOOD PUMP STATION - DRAWING PREPAR...	0%					27TH STREET FLOOD PUMP STATION - DRAWING PREPARATION			
H091262904	27TH STREET FLOOD PUMP STATION - DESIGN	0%					27TH STREET FLOOD PUMP STATION - DESIGN			
H091262903	27TH STREET FLOOD PUMP STATION - SITE VISITS, SURV...	0%					27TH STREET FLOOD PUMP STATION - SITE VISITS, SURVEYS, PERMITS			
H091262902	27TH STREET FLOOD PUMP STATION - MEETINGS	0%					27TH STREET FLOOD PUMP STATION - MEETINGS			
H091242911	PADDY'S RUN WW TREATMENT FACILITY - DESIGN	0%							PADDY'S RUN WW TREATMENT FACILITY - DESIGN	
H091242910	PADDY'S RUN WW TREATMENT FACILITY - DESIGN REVIE...	0%							PADDY'S RUN WW TREATMENT FACILITY - DESIGN REVIEW	
H091242909	PADDY'S RUN WW TREATMENT FACILITY - COST ESTIMAT...	0%							PADDY'S RUN WW TREATMENT FACILITY - COST ESTIMATION	
H091242908	PADDY'S RUN WW TREATMENT FACILITY - SUBMIT REMAI...	0%							PADDY'S RUN WW TREATMENT FACILITY - SUBMIT REMAINING WORK	
H091242907	PADDY'S RUN WW TREATMENT FACILITY - SUBMIT DRAFT...	0%							PADDY'S RUN WW TREATMENT FACILITY - SUBMIT DRAFT	
H091242906	PADDY'S RUN WW TREATMENT FACILITY - DESIGN	0%							PADDY'S RUN WW TREATMENT FACILITY - DESIGN	
H091242905	PADDY'S RUN WW TREATMENT FACILITY - FINAL PRELIMI...	0%							PADDY'S RUN WW TREATMENT FACILITY - FINAL PRELIMINARY DESIGN	
H091242904	PADDY'S RUN WW TREATMENT FACILITY - DESIGN	0%							PADDY'S RUN WW TREATMENT FACILITY - DESIGN	
H091242903	PADDY'S RUN WW TREATMENT FACILITY - PRELIM DESIG...	0%							PADDY'S RUN WW TREATMENT FACILITY - PRELIMINARY DESIGN REPORT	
H091242902	PADDY'S RUN WW TREATMENT FACILITY - PRELIMINARY ...	0%							PADDY'S RUN WW TREATMENT FACILITY - PRELIMINARY SITE CHARACTERIZATION	
H091242901	PADDY'S RUN WW TREATMENT FACILITY - SUBMIT DIVER...	0%							PADDY'S RUN WW TREATMENT FACILITY - SUBMIT DIVERSION HYDRAULIC ANALYSIS	
CONSENT DECREE - SANITARY SEWER DISCHARGE PLAN (SSDP)										
H095612904	DRGWQTC: WET WEATHER TREATMENT FACILITY- BIDD...	0%					DRGWQTC: WET WEATHER TREATMENT FACILITY- BIDDING ASSISTANCE			

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			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	
H095612903	DRGWQTC: WET WEATHER TREATMENT FACILITY- CONS...	0%				DRGWQTC: WET WEATHER TREATMENT FACILITY- CONSTRUCTION PLANS					
H095612902	DRGWQTC: WET WEATHER TREATMENT FACILITY- PRELI...	0%				DRGWQTC: WET WEATHER TREATMENT FACILITY- PRELIM DEVELOPMENT					
H095612901	DRGWQTC: WET WEATHER TREATMENT FACILITY- PM/IN...	0%				DRGWQTC: WET WEATHER TREATMENT FACILITY- PM/INV/ANALYSIS					
H072882909	BUECHEL BASIN ADDITIONAL DESIGN SERVICES	0%				BUECHEL BASIN ADDITIONAL DESIGN SERVICES					
H072882907	BUECHEL BASIN 100% DESIGN	0%							BUECHEL BASIN 100% DESIGN		
H072882906	BUECHEL BASIN 90% DESIGN	0%							BUECHEL BASIN 90% DESIGN		
B062082917	SHIVELY- ADDITIONAL DESIGN SERVICES	100%			SHIVELY- ADDITIONAL DESIGN SERVICES						
CONSENT DECREE REPORTING											
R000002927	QUARTERLY PROGRESS RPT - 1ST QTR 2011	0%								◆ QUARTERLY P	
R000002926	QUARTERLY PROGRESS RPT - 4TH QTR 2010	0%								◆ QUARTERLY PROGRESS RPT - 4TH Q	
R000002925	ANNUAL REPORT - FY10	0%								◆ ANNUAL REPORT - FY10	
R000002924	QUARTERLY PROGRESS RPT - 3RD QTR 2010	0%								◆ QUARTERLY PROGRESS RPT - 3RD QTR 2010	
R000002923	QUARTERLY PROGRESS RPT - 2ND QTR 2010	0%								◆ QUARTERLY PROGRESS RPT - 2ND QTR 2010	
CPE/CCP MODIFICATIONS TO WWTP											
H092219000	CPE/CCP MODIFICATIONS TO WWTP - FORCE ACCOUNT	0%	CPE/CCP MODIFICATIONS TO WWTP - FORCE ACCOUNT								
H092216000	CPE/CCP MODIFICATIONS TO WWTP - CONSTRUCTION	0%								CPE/CCP MODIFICATIONS TO WWTP	
H092214500	CPE/CCP MODIFICATIONS TO WWTP - AWARD	0%								◆ CPE/CCP MODIFICATIONS TO WWTP -	
H092214050	CPE/CCP MODIFICATIONS TO WWTP - BID OPEN	0%								◆ CPE/CCP MODIFICATIONS TO WWTP - BID O	
H092214000	CPE/CCP MODIFICATIONS TO WWTP - AD DATE	0%								◆ CPE/CCP MODIFICATIONS TO WWTP - AD DATE	
H092212000	CPE/CCP MODIFICATIONS TO WWTP - DESIGN	75%	CPE/CCP MODIFICATIONS TO WWTP - DESIGN								
CSO 108 DAM MODIFICATIONS											
H091289000	CSO 108 DAM MODIFICATIONS - FORCE ACCOUNT	0%								CSO 108 DAM MODIFICATIONS - FORCE ACCOUNT	
H091288050	CSO 108 DAM MODIFICATIONS - CD CERTIFICATION	0%								◆ CSO 108 DAM MODIFICATIONS - CD C	
H091286900	CSO 108 DAM MODIFICATIONS- SUBSTANTIALLY COMPLETE	0%								◆ CSO 108 DAM MODIFICATIONS- SUBSTANTIAL	
H091286000	CSO 108 DAM MODIFICATIONS - CONSTRUCTION	0%								CSO 108 DAM MODIFICATIONS - CONSTRUCTION	
H091284500	CSO 108 DAM MODIFICATIONS - AWARD	0%								◆ CSO 108 DAM MODIFICATIONS - AWARD	
H091284050	CSO 108 DAM MODIFICATIONS - BID OPEN	0%								◆ CSO 108 DAM MODIFICATIONS - BID OPEN	
H091284000	CSO 108 DAM MODIFICATIONS - AD DATE	0%								◆ CSO 108 DAM MODIFICATIONS - AD DATE	
H091282000	CSO 108 DAM MODIFICATIONS - DESIGN	0%								CSO 108 DAM MODIFICATIONS - DESIGN	
CSO 140 SEWER SEPARATION											
H091229000	CSO 140 SEWER SEPARATION - FORCE ACCOUNT	0%								CSO	
H091222000	CSO 140 SEWER SEPARATION - DESIGN	0%								CSO	
CSO 206 SEWER SEPARATION											
H091319000	CSO 206 SEWER SEPARATION - FORCE ACCOUNT	0%	CSO 206 SEWER SEPARATION - FORCE ACCOUNT								
H091313000	CSO 206 SEWER SEPARATION - EASEMENT	0%								CSO 206 SEWER SEPARAT	
H091312000	CSO 206 SEWER SEPARATION - DESIGN	10%	CSO 206 SEWER SEPARATION - DESIGN								
CSO 210/216 CONVEYANCE LINE EMERGENCY REPAIR											
H110059000	CSO 210-216 CONVEYANCE LINE EMERGENCY REPAIR-FA...	0%								CSO 210-216 CONVEYANCE LINE EMERGENCY REPAIR-FACCT	
H110056000	CSO 210/216 CONVEYANCE LINE EMERGENCY REPAIR- CO...	0%								CSO 210/216 CONVEYANCE LINE EMERGENCY REPAIR- CONSTRUCTION	
CSO 58 SEWER SEPARATION											
H091309000	CSO 58 SEWER SEPARATION - FORCE ACCOUNT	0%								CSO 58 SEWER SEPARATION - FORCE ACCOUNT	
H091306000	CSO 58 SEWER SEPARATION - CONSTRUCTION	0%								CS	
H091304500	CSO 58 SEWER SEPARATION - AWARD	0%								◆ CSO 5	
H091304050	CSO 58 SEWER SEPARATION - BID OPEN	0%								◆ CSO 58 SEV	
H091304000	CSO 58 SEWER SEPARATION - AD DATE	0%								◆ CSO 58 SEWER	
H091303000	CSO 58 SEWER SEPARATION - EASEMENT	0%								CSO 58 SEWER SEPARATION - EASEMEN	

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Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H091302000	CSO 58 SEWER SEPARATION - DESIGN	0%					CSO 58 SEWER SEPARATION - DESIGN			
DERINGTON COURT PUMP STATION I&I INVESTIGATION							DERINGTON CT PUMP STATION I&I INVESTIGATION - FORCE ACCOUNT			
H091909000	DERINGTON CT PUMP STATION I&I INVESTIGATION - FOR...	0%					DERINGTON CT PUMP STATION I&I INVESTIGATION - FORCE ACCOUNT			
H091904500	DERINGTON CT PUMP STATION I&I INVESTIGATION - AWA...	0%								
H091904050	DERINGTON CT PUMP STATION I&I INVESTIGATION - BID ...	0%								
H091904000	DERINGTON CT PUMP STATION I&I INVESTIGATION- AD D...	0%								◆ DER
H091903000	DERINGTON CT PUMP STATION I&I INVESTIGATION - EAS...	0%								◆ DERING
H091902000	DERINGTON CT PUMP STATION I&I INVESTIGATION - DESI...	0%					DERINGTON CT PUMP STATION I&I INVESTIGATION - DESIGN			
DOWNSPOUT DISCONNECT CSO 123							DOWNSPOUT DISCONNECT CSO 123 - FACCT			
I042479000	DOWNSPOUT DISCONNECT CSO 123 - FACCT	0%					DOWNSPOUT DISCONNECT CSO 123 - FACCT			
I042472000	DOWNSPOUT DISCONNECT CSO 123 - DESIGN	0%					DOWNSPOUT DISCONNECT CSO 123 - DESIGN			
DOWNSPOUT DISCONNECT CSO 206										
I042499000	DOWNSPOUT DISCONNECT CSO 206 PHASE 1 - FACCT	100%	DOWNSPOUT DISCONNECT CSO 206 PHASE 1 - FACCT							
I042496900	DOWNSPOUT DISCONNECT CSO 206 P1- SUBST COMPLETE	100%					◆ DOWNSPOUT DISCONNECT CSO 206 P1- SUBST COMPLETE			
I042492901	DOWNSPOUT DISCONNECT CSO 206 - CLOSURE STARTUP	100%	DOWNSPOUT DISCONNECT CSO 206 - CLOSURE STARTUP							
I042492000	DOWNSPOUT DISCONNECT CSO 206 - DESIGN	100%								
DRG WQTC FACILITIES PLAN AMENDMENT							DRG WQTC FACILITIES PLAN AMENDMENT - FACCT			
H101339000	DRG WQTC FACILITIES PLAN AMENDMENT - FACCT	0%					DRG WQTC FACILITIES PLAN AMENDMENT - FACCT			
H101338050	DRG WQTC FACILITIES PLAN AMENDMENT - CD CERTIFY	0%								◆ DRG WQTC F
H101336950	DRG WQTC FACILITIES PLAN AMENDMENT - AS BUILTS	0%								◆ DRG WQTC FACILITIE
H101336000	DRG WQTC FACILITIES PLAN AMENDMENT - CONST	0%					DRG WQTC FACILITIES PLAN AMENDMENT - CONST			
H101334500	DRG WQTC FACILITIES PLAN AMENDMENT - AWARD	0%								◆ DRG WQTC FACILITIES PLAN AMENDMENT - AWARD
H101334050	DRG WQTC FACILITIES PLAN AMENDMENT - BID OPEN	0%								◆ DRG WQTC FACILITIES PLAN AMENDMENT - BID OPEN
H101334000	DRG WQTC FACILITIES PLAN AMENDMENT - AD DATE	0%								◆ DRG WQTC FACILITIES PLAN AMENDMENT - AD DATE
H101331000	DRG WQTC FACILITIES PLAN AMENDMENT - PLANNING	0%					DRG WQTC FACILITIES PLAN AMENDMENT - PLANNING			
DRGWQTC: BLOWER PACKAGE							DRGWQTC: BLOWER PKG - FORCE ACCT			
H095629000	DRGWQTC: BLOWER PKG - FORCE ACCT	0%	DRGWQTC: BLOWER PKG - FORCE ACCT							
H095626000	DRGWQTC: BLOWER PKG - CONSTRUCTION	0%								DRGWQTC: BLOWER P
H095624500	DRGWQTC: BLOWER EQUIPMENT PKG - AWARD	100%								◆ DRGWQTC: BLOWER EQUIPMENT PKG - AWARD
H095624050	DRGWQTC: BLOWER EQUIPMENT PKG - BID OPEN	100%								◆ DRGWQTC: BLOWER EQUIPMENT PKG - BID OPEN
H095624000	DRGWQTC: BLOWER EQUIPMENT PKG - AD DATE	100%								◆ DRGWQTC: BLOWER EQUIPMENT PKG - AD DATE
H095622918	BLOWER INSTALL - AWARD	100%								BLOWER INSTALL - AWARD
H095622917	BLOWER INSTALL - BID OPEN	100%								BLOWER INSTALL - BID OPEN
H095622916	BLOWER INSTALL AD DATE	100%								BLOWER INSTALL AD DATE
H095622915	DRG: BLOWER REPL - FINAL INSTALLATION DRAWINGS	0%								DRG: BLOWER REPL - FINAL INSTALLATION DRAWINGS
H095622914	DRG: BLOWER REPL - DRAFT INSTALLATION DRAWINGS	0%					DRG: BLOWER REPL - DRAFT INSTALLATION DRAWINGS			
DRGWQTC: WET WEATHER EQUALIZATION BASIN							DRGWQTC: WET WEATHER EQUALIZATION			
H095639000	DRGWQTC: WET WEATHER EQUALIZATION BASIN-FACCT	0%					DRGWQTC: WET WEATHER EQUALIZATION			
H095636000	DRGWQTC: WET WEATHER EQUALIZATION BASIN-CONSTR	0%								DRGWQTC: WE
H095634500	DRGWQTC: WET WEATHER EQUALIZATION BASIN-AWARD	0%								◆ DRGWQTC: WET WEATHE
H095634050	DRGWQTC: WET WEATHER EQUALIZATION BASIN-BID OP...	0%								◆ DRGWQTC: WET WEATHER EQUA
H095634000	DRGWQTC: WET WEATHER EQUALIZATION BASIN-AD DATE	0%								◆ DRGWQTC: WET WEATHER EQUALIZATI
DRGWQTC: WET WEATHER TREATMENT FACILITY							DRGWQTC: WET WEATHER TREATMENT FACILITY- FACCT			
H095619000	DRGWQTC: WET WEATHER TREATMENT FACILITY- FACCT	0%					DRGWQTC: WET WEATHER TREATMENT FACILITY- FACCT			
H095616000	DRGWQTC: WET WEATHER TREATMENT FACILITY- CONSTR	0%					DRGWQTC: WET WEATHER TREATMENT FACILITY- CONSTR			
H095614500	DRGWQTC: WET WEATHER TREATMENT FACILITY- AWARD	0%					DRGWQTC: WET WEATHER TREATMENT FACILITY- AWARD			

█ Remaining Level of Effort
 █ Remaining Work
 █ Actual Work
 █ Critical Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011				
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	
H095614050	DRGWQTC: WET WEATHER TREATMENT FACILITY-BID OP...	100%									
H095614000	DRGWQTC: WET WEATHER TREATMENT FACILITY- AD DA...	100%									
H095613000	DRGWQTC: WET WEATHER TREATMENT FACILITY-ESM TS	10%									
DRGWQTC: WW FLOW EQUALIZATION & TREATMENT											
H063026000	DRGWQTC: PUMPING PACKAGE - CONSTRUCT	5%									
H063024500	DRGWQTC: PUMPING PACKAGE - AWARD	100%									
H063024050	DRGWQTC: PUMPING PACKAGE - BID OPEN	100%									
H063024000	DRGWQTC: PUMPING PACKAGE - AD DATE	100%									
H063023000	DRGWQTC: WW FLOW EQUAL & TREATMENT- ESM TS	0%									
H063022962	DRGWQTC: EQ BASIN EASEMENT ACQUISITION	50%									
H063022961	DRGWQTC: WETLANDS STUDY REPORTING	0%									
H063022960	DRGWQTC: WETLANDS STUDY SITE ASSESSMENT	0%									
H063022959	DRGWQTC: EQUALIZATION BASIN - DSDC	0%									
H063022958	DRGWQTC: EQUALIZATION BASIN - BIDDING SERVICES	0%									
H063022957	DRGWQTC: EQUALIZATION BASIN - 100% DESIGN	0%									
H063022956	DRGWQTC: EQUALIZATION BASIN - MONTHLY REPORT #3	0%									
H063022955	DRGWQTC: EQUALIZATION BASIN - 90% DESIGN	100%									
H063022954	DRGWQTC: EQUALIZATION BASIN - MONTHLY REPORT #2	100%									
H063022953	DRGWQTC: EQUALIZATION BASIN - 60% DESIGN	100%									
H063022952	DRGWQTC: EQUALIZATION BASIN - 30% DESIGN	100%									
H063022951	DRGWQTC: EQUALIZATION BASIN - FIELD SURVEY	100%									
H063022950	DRGWQTC: EQUALIZATION BASIN - MONTHLY REPORT #1	100%									
H063022949	DRGWQTC: PUMP PKG - WWT PKG START-UP ASSISTANCE	0%									
H063022947	DRGWQTC: PUMP PKG - BID ASSIST	100%									
H063022946	DRGWQTC: PUMP PKG - 100% DESIGN	100%									
H063022945	DRGWQTC: PUMP PKG - 90% DESIGN	100%									
H063022944	DRGWQTC: PUMP PKG - COMPLETE 60% SUBMITTAL	100%									
H063022943	DRGWQTC: PUMP PKG - STRUCTURAL 60% COMPLETE	100%									
H063022942	DRGWQTC: PUMP PKG - PROC/MECH 60% COMPLETE	100%									
H063022941	DRGWQTC: PUMP PKG - CFD FINAL REPORT	100%									
H063022940	DRGWQTC: PUMP PKG - CFD SET-UP	100%									
H063022939	DRGWQTC: PUMP PKG-HM-FINAL RPT FOR NEW PS	100%									
H063022938	DRGWQTC: PUMP PKG-HM-FINAL RPT FOR EXISTING PS	100%									
H063022937	DRGWQTC: PUMP PKG-HM-TEST'G COMP FOR NEW PS	100%									
H063022936	DRGWQTC: PUMP PKG-HM-TEST'G COMP FOR EXIST'G PS	100%									
H063022935	DRGWQTC: PUMP PKG - HM - NTP FOR NEW PS	100%									
H063022934	DRGWQTC: PUMP PKG - HM - NTP FOR EXISTING PS HYD	100%									
H063022933	DRGWQTC: PUMP PKG - EQUIPMENT PREPURCHASE	0%									
H063022930	DRGWQTC: PUMP PKG - SITE SURVEY	100%									
H063022929	DRGWQTC: PUMP PKG - SUBSURFACE INVESTIGATION	100%									
H063022928	DRGWQTC: PUMP PKG - PROJECT MANAGEMENT	95%									
H063022927	DRGWQTC: WET WEATHER TRMT FAC-BID EVALUATION	100%									
H063022926	DRGWQTC: WET WEATHER TRMT FAC-BID ASSISTANCE	95%									
H063022925	DRGWQTC: WET WEATHER TRMT FAC-100% SUBMITTAL	100%									
H063022924	DRGWQTC: WET WEATHER TRMT FAC-90% SUBMITTAL	100%									
H063022923	DRGWQTC: WET WEATHER TRMT FAC-KDOW COMMENT ...	100%									
H063022922	DRGWQTC: WET WEATHER TRMT FAC-PROGRESS RPT 7	100%									

█ Remaining Level of Effort
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█ Actual Work
 █ Critical Remaining Work

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H063022921	DRGWQTC: WET WEATHER TRMT FAC-PROGRESS RPT 6	100%	DRGWQTC: WET WEATHER TRMT FAC-PROGRESS RPT 6							
H063022920	DRGWQTC: WET WEATHER TRMT FAC-KDOW SUBMITTAL	100%	DRGWQTC: WET WEATHER TRMT FAC-KDOW SUBMITTAL							
H063022919	DRGWQTC: WET WEATHER TRMT FAC-60% SUBMITTAL	100%	DRGWQTC: WET WEATHER TRMT FAC-60% SUBMITTAL							
H063022913	DRG: BLOWER REPL - FINAL SPECIFICATIONS	100%	DRG: BLOWER REPL - FINAL SPECIFICATIONS							
H063022000	WCWTP: WW FLOW EQ & TREATMENT - DESIGN	100%	TMENT - DESIGN							
EAST REGION EMERGENCY GENERATOR PHASE III										
H100829000	EAST REGION EMERG GENERATORS PH3-FACCT	0%	EAST REGION EMERG GENERATORS PH3-FACCT							
H100826000	EAST REGION EMERG GENERATORS PH3-CONST	80%	EAST REGION EMERG GENERATORS PH3-CONST							
H100824500	EAST REGION EMERG GENERATORS PH3 - AWARD	100%	◆ EAST REGION EMERG GENERATORS PH3 - AWARD							
H100824050	EAST REGION EMERG GENERATORS PH3 - BID OPEN	100%	◆ EAST REGION EMERG GENERATORS PH3 - BID OPEN							
H100824000	EAST REGION EMERG GENERATORS PH3 - AD DATE	100%	◆ EAST REGION EMERG GENERATORS PH3 - AD DATE							
EAST ROCKFORD LANE PS RELOCATION										
A090916000	EAST ROCKFORD LANE PS RELOCATION - CONSTRUCTION	0%	EAST ROCKFORD LANE PS RELOCATION - CONSTRUCTION							
A090914500	EAST ROCKFORD LANE PS RELOCATION - AWARD	0%	◆ EAST ROCKFORD LANE PS RELOCATION - AWARD							
A090914050	EAST ROCKFORD LANE PS RELOCATION - BID OPEN	0%	◆ EAST ROCKFORD LANE PS RELOCATION - BID OPEN							
A090914000	EAST ROCKFORD LANE PS RELOCATION - AD DATE	0%	◆ EAST ROCKFORD LANE PS RELOCATION - AD DATE							
A090913000	EAST ROCKFORD LN PS RELOC - EASEMENT	0%	EAST ROCKFORD LN PS RELOC - EASEMENT							
A090912905	EAST ROCKFORD LN PS RELOC 100% DESIGN	100%	EAST ROCKFORD LN PS RELOC 100% DESIGN							
A090912904	EAST ROCKFORD LN PS RELOC 90% DESIGN	100%	EAST ROCKFORD LN PS RELOC 90% DESIGN							
A090912903	EAST ROCKFORD LN PS RELOC 60% DESIGN	100%	EAST ROCKFORD LN PS RELOC 60% DESIGN							
A090912902	EAST ROCKFORD LN PS RELOC 30% DESIGN	100%	EAST ROCKFORD LN PS RELOC 30% DESIGN							
A090912901	EAST ROCKFORD LN PS RELOC 10% DESIGN	100%	EAST ROCKFORD LN PS RELOC 10% DESIGN							
EAST ROCKFORD SSES										
H093939000	EAST ROCKFORD SSES - FACCT	0%	EAST ROCKFORD SSES - FACCT							
H093931220	EAST ROCKFORD SSES REPORT	25%	EAST ROCKFORD SSES REPORT							
H093931000	EAST ROCKFORD SSES - PLANNING	100%	EAST ROCKFORD SSES - PLANNING							
EDEN CARE PUMP STATION INLINE STORAGE										
H091709000	EDEN CARE PUMP STATION ILS - FORCE ACCOUNT	0%	EDEN CARE PUMP STATION ILS - FORCE ACCOUNT							
H091706950	EDEN CARE PS SSO INVESTIGATION - AS-BUILTS	0%								
H091704500	EDEN CARE PUMP STATION ILS - AWARD	0%	◆ EDEN CARE PUMP STATION ILS - AWARD							
H091704050	EDEN CARE PUMP STATION ILS - BID OPEN	0%	◆ EDEN CARE PUMP STATION ILS - BID OPEN							
H091704000	EDEN CARE PUMP STATION ILS - AD DATE	0%	◆ EDEN CARE PUMP STATION ILS - AD DATE							
H091703000	EDEN CARE PUMP STATION ILS - EASEMENT	0%	EDEN CARE PUMP STATION ILS - EASEMENT							
H091702000	EDEN CARE PUMP STATION ILS - DESIGN	0%	EDEN CARE PUMP STATION ILS - DESIGN							
H091701200	EDEN CARE PUMP STATION ILS - SSES	50%	EDEN CARE PUMP STATION ILS - SSES							
EDSEL PUMP STATION I&I INVESTIGATION										
H091976000	EDSEL PUMP STATION I&I INVESTIGATION - CONSTRUCTI...	0%	EDSEL PUMP STATION I&I INVESTIGATION - CONSTRUCTI...							
H091974500	EDSEL PUMP STATION I&I INVESTIGATION - AWARD	0%	◆ EDSEL PUMP STATION I&I INVESTIGATION - AWARD							
H091974050	EDSEL PUMP STATION I&I INVESTIGATION - BID OPEN	0%	◆ EDSEL PUMP STATION I&I INVESTIGATION - BID OPEN							
H091974000	EDSEL PUMP STATION I&I INVESTIGATION- AD DATE	0%	◆ EDSEL PUMP STATION I&I INVESTIGATION- AD DATE							
H091973000	EDSEL PUMP STATION I&I INVESTIGATION - EASEMENT	0%	EDSEL PUMP STATION I&I INVESTIGATION - EASEMENT							
H091971220	EDSEL PS I&I INVESTIGATION - SSES REPORT	0%	EDSEL PS I&I INVESTIGATION - SSES REPORT							
H091971200	EDSEL PUMP STATION I&I INVESTIGATION - SSES	60%	EDSEL PUMP STATION I&I INVESTIGATION - SSES							
FAIRWAY VIEW PUMP STATION IMPROVEMENT										
H091771200	FAIRWAY VIEW PUMP STATION IMPROVEMENT - SSES	75%	FAIRWAY VIEW PUMP STATION IMPROVEMENT - SSES							
FLOYDSBURGH ROAD I&I INVESTIGATION & REDUCTION										

█ Remaining Level of Effort
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 ◆ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H091729000	FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - FO...	0%								FLOYDSBURGH RD I&I INVESTIGATION & REDUCT
H091728050	FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - CD...	0%								◆ FLOYDSBURGH RD I&I INVESTIC
H091726900	FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - SU...	0%								◆ FLOYDSBURGH RD I&I INVESTIGATION
H091726000	FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - CO...	0%								FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - CONSTRUCTION
H091724500	FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - A...	0%								◆ FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - AWARD
H091724050	FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - BI...	0%								◆ FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - BID OPEN
H091724000	FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION- AD ...	0%								◆ FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION- AD DATE
H091722000	FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - DE...	0%								FLOYDSBURGH RD I&I INVESTIGATION & REDUCT
H091721000	FLOYDSBURGH RD I&I INVESTIG & REDUCTION-SSES PLA...	75%				FLOYDSBURGH RD I&I INVESTIG & REDUCTION-SSES PLANNING				
FOX HARBOR INLINE STORAGE										
H091761200	FOX HARBOR ILS - SSES	0%								FOX HARBOR ILS - SSES
FY09 BGC/OR LTCP										
I062339000	FY09 BGC/OR LTP - FORCE ACCT.	0%								FY09 BGC/OR LTP - FORCE ACCT.
FY09 I&I REDUCTION PROGRAM										
H092029000	FY09 I/I REDUCTION PROGRAM - FORCE ACCOUNT	0%								FY09 I/I REDUCTION PROGRAM - FORCE ACCOUNT
H092026000	FY09 I/I REDUCTION PROGRAM - CONSTRUCTION	0%								FY09 I/I REDUCTION PROGRAM - CONSTRUCTION
FY10 GREEN INFRASTRUCTURE PROJECTS										
H091489000	FY10 GREEN INFRASTRUCTURE PROJECTS - FACCT	0%				FY10 GREEN INFRASTRUCTURE PROJECTS - FACCT				
H091486000	FY10 GREEN INFRASTRUCTURE PROJECTS - PLANNING	0%				FY10 GREEN INFRASTRUCTURE PROJECTS - PLANNING				
FY10 I&I REDUCTION PROGRAM										
H092039000	FY10 I/I REDUCTION PROGRAM - FORCE ACCOUNT	0%								FY10 I/I REDUCTION PROGRAM - FORCE ACCOUNT
H092036000	FY10 I/I REDUCTION PROGRAM - CONSTRUCTION	0%								FY10 I/I REDUCTION PROGRAM - CONSTRUCTION
FY10 REGULATORY ASSISTANCE & REPORTING										
H101329000	FY10 REGULATORY ASSIST & REPORTING - FACCT	0%								FY10 REGULATORY ASSIST & REPORTING - FACCT
H101321000	FY10 REGULATORY ASSIST & REPORTING - PLANNING	0%								FY10 REGULATORY ASSIST & REPORTING - PLANNING
FY11 GREEN INFRASTRUCTURE PROJECTS										
H091499000	FY11 GREEN INFRASTRUCTURE PROJECTS - FACCT	0%								FY11 GREEN INFRASTRUCTURE PROJECTS - FACCT
H091496000	FY11 GREEN INFRASTRUCTURE PROJECTS - CONSTRUC...	0%								FY11 GREEN INFRASTRUCTURE PROJECTS - CONSTRUCTION
FY11 I&I REDUCTION PROGRAM										
H092049000	FY11 I/I REDUCTION PROGRAM - FORCE ACCOUNT	0%								FY11 I/I REDUCTION PROGRAM - FORCE ACCOUNT
H092046000	FY11 I/I REDUCTION PROGRAM - CONSTRUCTION	0%								FY11 I/I REDUCTION PROGRAM - CONSTRUCTION
GI 12th & JEFFERSON GREEN STREET										
H094339000	GI 12TH & JEFFERSON GREEN STREET - FORCE ACCT	20%				GI 12TH & JEFFERSON GREEN STREET - FORCE ACCT				
H094338050	GI 12TH & JEFFERSON GREEN STREET - CD CERTIFY	0%								◆ GI 12TH & JEFFERSON GREEN STREET - CD CERTIFY
H094336000	GI 12TH & JEFFERSON GREEN STREET - PLANNING	20%				GI 12TH & JEFFERSON GREEN STREET - PLANNING				
GI 17th & HILL ALLEY										
H094309000	GI 17TH & HILL ALLEY - FORCE ACCT	0%								GI 17TH & HILL ALLEY - FORCE ACCT
H094308050	GI 17TH & HILL ALLEY - CD CERTIFY	0%								◆ GI 17TH & HILL ALLEY - CD CERTIFY
H094302901	GI 17TH & HILL ALLEY - GEOTECHNICAL SERVICES	0%								GI 17TH & HILL ALLEY - GEOTECHNICAL SERVICES
H094301000	GI 17TH & HILL ALLEY - PLANNING	0%								GI 17TH & HILL ALLEY - PLANNING
GI 2nd & BROADWAY PARKING LOT										
H094269000	GI 2ND & BROADWAY PARKING LOT - FORCE ACCT	0%								GI 2ND & BROADWAY PARKING LOT - FORCE ACCT
H094268050	GI 2ND & BROADWAY PARKING LOT - CD CERTIFY	0%								◆ GI 2ND & BROADWAY PARKING LOT - CD CERTIFY
H094261000	GI 2ND & BROADWAY PARKING LOT - PLANNING	0%								GI 2ND & BROADWAY PARKING LOT - PLANNING
GI 3rd & ORMSBY BIOSWALE										
H094279000	GI 3RD & ORMSBY BIOSWALE - FORCE ACCT	0%				GI 3RD & ORMSBY BIOSWALE - FORCE ACCT				

█ Remaining Level of Effort
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Activity ID	Activity Name	Physical % Complete	FY2010				FY2011					
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4		
H094278050	GI 3RD & ORMSBY BIOSWALE - CD CERTIFY	0%										
H094271000	GI 3RD & ORMSBY BIOSWALE - PLANNING	0%										
GI 6th & BROADWAY RAIN GARDEN												
H094299000	GI 6TH & BROADWAY RAIN GARDEN - FORCE ACCT	0%										
H094298050	GI 6TH & BROADWAY RAIN GARDEN - CD CERTIFY	0%										
H094296000	GI 6TH & BROADWAY RAIN GARDEN - PLANNING	0%										
GI 6th & MUHAMMAD ALI PARKING LOT												
H094289000	GI 6TH & MUHAMMAD ALI PARKING LOT - FORCE ACCT	0%										
H094288050	GI 6TH & MUHAMMAD ALI PARKING LOT - CD CERTIFY	0%										
H094286000	GI 6TH & MUHAMMAD ALI PARKING LOT - CONSTRUCTION	0%										
GI 7th & CEDAR PARKING LOT												
H094259000	GI 7TH & CEDAR PARKING LOT - FORCE ACCT	0%										
H094251000	GI 7TH & CEDAR PARKING LOT - PLANNING	0%										
GI 7th & MARKET ALLEY												
H094319000	GI 7TH & MARKET ALLEY - FORCE ACCT	0%										
H094318050	GI 7TH & MARKET ALLEY - CD CERTIFY	0%										
H094311000	GI 7TH & MARKET ALLEY - PLANNING	0%										
GI ADD'L RAIN GARDENS PH 1 FY10												
H100399000	GI ADD'L RAIN GARDENS PH 1 FY10 - FACCT	0%										
H100391000	GI ADD'L RAIN GARDENS PH 1 FY10 - PLANNING	0%										
GI ADD'L RAIN GARDENS PH 1 FY11												
H100419000	GI ADD'L RAIN GARDENS PH 1 FY11 - FACCT	0%										
H100411000	GI ADD'L RAIN GARDENS PH 1 FY11 - PLANNING	0%										
GI ADD'L RAIN GARDENS PH 2 FY10												
H100409000	GI ADD'L RAIN GARDENS PH 2 FY10 - FACCT	0%										
H100401000	GI ADD'L RAIN GARDENS PH 2 FY10 - PLANNING	0%										
GI ADD'L RAIN GARDENS PH 2 FY11												
H100429000	GI ADD'L RAIN GARDENS PH 2 FY11 - FACCT	0%										
H100421000	GI ADD'L RAIN GARDENS PH 2 FY11 - PLANNING	0%										
GI ALLEYS FY09												
H094139000	GI ALLEYS FY09 - FACCT	0%										
H094131000	GI ALLEYS FY09 - PLANNING	0%										
GI ALLEYS FY10												
H094189000	GI ALLEYS FY10 - FACCT	0%										
H094181000	GI ALLEYS FY10 - PLANNING	0%										
GI ALLEYS FY11												
H094369000	GI ALLEYS FY11 - FORCE ACCT	0%										
H094361000	GI ALLEYS FY11 - PLANNING	0%										
GI CAMPBELL & MAIN ALLEY												
H094329000	GI CAMPBELL & MAIN ALLEY - FORCE ACCT	0%										
H094326000	GI CAMPBELL & MAIN ALLEY - PLANNING	0%										
H094322903	GI CAMPBELL & MAIN ALLEY- GEOTECHNICAL SERVICES	0%										
H094322902	GI CAMPBELL & MAIN ALLEY - AMEC FIELD PERSONNEL A...	0%										
GI I-264 & GIBSON DRY WELL												
H094449000	GI I-264 & GIBSON DRY WELL - FORCE ACCT	0%										

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 ▶ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011					
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4		
H094441000	GI I-264 & GIBSON DRY WELL - PLANNING	0%										
GI I-264 OFF-RAMP DRY WELL												
H094429000	GI I-264 OFF-RAMP DRY WELL - FORCE ACCT	0%										
H094421000	GI I-264 OFF-RAMP DRY WELL - PLANNING	0%										
GI I-264 ON-RAMP DRY WELL												
H094439000	GI I-264 ON-RAMP DRY WELL - FORCE ACCT	0%										
H094431000	GI I-264 ON-RAMP DRY WELL - PLANNING	0%										
GI JFK MONTESSORI AREA DRY WELL												
H094469000	GI JFK MONTESSORI AREA DRY WELL - FORCE ACCT	0%										
H094461000	GI JFK MONTESSORI AREA DRY WELL - PLANNING	0%										
GI MSD MO BIOSWALE												
H094249000	GI MSD MO BIOSWALE - FACCT	0%	GI MSD MO BIOSWALE - FACCT									
H094248050	GI MSD MO BIOSWALE - CD CERTIFY	0%										
H094241000	GI MSD MO BIOSWALE - PLANNING	0%	GI MSD MO BIOSWALE - PLANNING									
GI PARKING PUBLIC FY09												
H094159000	GI PARKING PUBLIC FY09 - FACCT	0%										
H094151000	GI PARKING PUBLIC FY09 - PLANNING	0%										
GI PARKING PUBLIC FY10												
H094229000	GI PARKING PUBLIC FY10 - FACCT	0%										
H094221000	GI PARKING PUBLIC FY10 - PLANNING	0%										
GI PARKING PUBLIC FY11												
H094399000	GI PARKING PUBLIC FY11 - FORCE ACCT	0%										
H094391000	GI PARKING PUBLIC FY11 - PLANNING	0%										
GI PORTLAND MUSEUM												
H101829000	GI PORTLAND MUSEUM - FORCE ACCT	0%										
H101822000	GI PORTLAND MUSEUM - DESIGN	0%										
GI PUBLIC DRY WELLS FY10												
H094239000	GI PUBLIC DRY WELLS FY10 - FACCT	0%										
H094231000	GI PUBLIC DRY WELLS FY10 - PLANNING	0%										
GI PUBLIC DRY WELLS FY11												
H094409000	GI PUBLIC DRY WELLS FY11 - FORCE ACCT	0%										
H094401000	GI PUBLIC DRY WELLS FY11 - PLANNING	0%										
GI RAIN BARRELS FY10												
H094199000	GI RAIN BARRELS FY10 - FACCT	0%										
H094191000	GI RAIN BARRELS FY10 - PLANNING	0%										
GI RAIN BARRELS FY11												
H094379000	GI RAIN BARRELS FY11 - FORCE ACCT	0%										
H094371000	GI RAIN BARRELS FY11 - PLANNING	0%										
GI RAIN GARDENS FY10												
H094209000	GI RAIN GARDENS FY10 - FACCT	0%										
H094201000	GI RAIN GARDENS FY10 - PLANNING	0%										
GI RAIN GARDENS FY11												
H094419000	GI RAIN GARDENS FY11 - FORCE ACCT	0%										
H094411000	GI RAIN GARDENS FY11 - PLANNING	0%										
GI ROOFS PUBLIC FY09												

█ Remaining Level of Effort
 █ Remaining Work
 █ Actual Work
 █ Critical Remaining Work
 ▶ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H094119000	GI ROOFS PUBLIC FY09 - FACCT	0%					GI ROOFS PUBLIC FY09 - FACCT			
H094111000	GI ROOFS PUBLIC FY09 - PLANNING	0%					GI ROOFS PUBLIC FY09 - PLANNING			
GI ROOFS PUBLIC FY10										
H094169000	GI ROOFS PUBLIC FY10 - FACCT	0%					GI ROOFS PUBLIC FY10 - FACCT			
H094161000	GI ROOFS PUBLIC FY10 - PLANNING	0%					GI ROOFS PUBLIC FY10 - PLANNING			
GI ROOFS PUBLIC FY11										
H094349000	GI ROOFS PUBLIC FY11 - FORCE ACCT	0%					GI ROOFS PUBLIC FY11 - FORCE ACCT			
H094341000	GI ROOFS PUBLIC FY11 - PLANNING	0%					GI ROOFS PUBLIC FY11 - PLANNING			
GI RUSSELL LEE DRIVE DRY WELL										
H094459000	GI RUSSELL LEE DRIVE DRY WELL - FORCE ACCT	0%					GI RUSSELL LEE DRIVE DRY WELL - FORCE ACCT			
H094451000	GI RUSSELL LEE DRIVE DRY WELL - PLANNING	0%					GI RUSSELL LEE DRIVE DRY WELL - PLANNING			
GI STREETS FY09										
H094129000	GI STREETS FY09 - FACCT	0%					GI STREETS FY09 - FACCT			
H094121000	GI STREETS FY09 - PLANNING	0%					GI STREETS FY09 - PLANNING			
GI STREETS FY10										
H094179000	GI STREETS FY10 - FACCT	0%					GI STREETS FY10 - FACCT			
H094171000	GI STREETS FY10 - PLANNING	0%					GI STREETS FY10 - PLANNING			
GI STREETS FY11										
H094359000	GI STREETS FY11 - FORCE ACCT	0%					GI STREETS FY11 - FORCE ACCT			
H094351000	GI STREETS FY11 - PLANNING	0%					GI STREETS FY11 - PLANNING			
GI URBAN REFORESTATION FY09										
H094149000	GI URBAN REFORESTATION FY09 - FACCT	0%					GI URBAN REFORESTATION FY09 - FACCT			
H094141000	GI URBAN REFORESTATION FY09 - PLANNING	0%					GI URBAN REFORESTATION FY09 - PLANNING			
GI URBAN REFORESTATION FY10										
H094219000	GI URBAN REFORESTATION FY10 - FACCT	0%					GI URBAN REFORESTATION FY10 - FACCT			
H094211000	GI URBAN REFORESTATION FY10 - PLANNING	0%					GI URBAN REFORESTATION FY10 - PLANNING			
GI URBAN REFORESTATION FY11										
H094389000	GI URBAN REFORESTATION FY11 - FORCE ACCT	0%					GI URBAN REFORESTATION FY11 - FORCE ACCT			
H094381000	GI URBAN REFORESTATION FY11 - PLANNING	0%					GI URBAN REFORESTATION FY11 - PLANNING			
GOVERNMENT CENTER PUMP STATION WET WEATHER STORAGE BASIN										
H091949000	GOVERNMENT CENTER PS WW STORAGE - FORCE ACCO...	0%	GOVERNMENT CENTER PS WW STORAGE - FORCE ACCOUNT							
H091946950	GOVERNMENT CENTER PS ELIMINATION - AS-BUILTS	0%								
H091946000	GOVERNMENT CENTER PS WW STORAGE - CONSTRUCTI...	0%								◆ GOVERNMENT CENTER PS ELIMINATION
H091944500	GOVERNMENT CENTER PS WW STORAGE - AWARD	0%								◆ GOVERNMENT CENTER PS WW STORAGE - CONSTRUCTION
H091944050	GOVERNMENT CENTER PS WW STORAGE - BID OPEN	0%								◆ GOVERNMENT CENTER PS WW STORAGE - AWARD
H091944000	GOVERNMENT CENTER PS WW STORAGE - AD DATE	0%								◆ GOVERNMENT CENTER PS WW STORAGE - BID OPEN
H091943000	GOVERNMENT CENTER PS WW STORAGE - EASEMENT	90%								◆ GOVERNMENT CENTER PS WW STORAGE - AD DATE
H091942000	GOVERNMENT CENTER PS WW STORAGE - DESIGN	100%	GOVERNMENT CENTER PS WW STORAGE - DESIGN							
GUNPOWDER PUMP STATION INLINE STORAGE										
H092421200	GUNPOWDER PUMP STATION ILS - SSES	75%					GUNPOWDER PUMP STATION ILS - SSES			
HARRODS CREEK INT PHASE II										
D002492908	HARRODS CRK INT PH II - CONSTRUCTION DOCUMENTS	0%					HARRODS CRK INT PH II - CONSTRUCTION DOCUMENTS			
HARRODS CREEK INTERCEPTOR										
D942073000	HARRODS CRK INT PH. I - EASEMENT	0%								HARRODS CRK INT PH. I - EASEMENT
D942072912	HARRODS CRK FM&I PH. I - 100% DESIGN	0%					HARRODS CRK FM&I PH. I - 100% DESIGN			

█ Remaining Level of Effort
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 ◆ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
D942072911	HARRODS CRK FM&I PH. I - 90% DESIGN	0%					HARRODS CRK FM&I PH. I - 90% DESIGN			
D942072910	HARRODS CRK FM&I PH. I - 60% DESIGN	0%					HARRODS CRK FM&I PH. I - 60% DESIGN			
D942072909	HARRODS CRK WTP PH. I - 100% DESIGN	0%					HARRODS CRK WTP PH. I - 100% DESIGN			
D942072908	HARRODS CRK WTP PH. I - 90% DESIGN	0%					HARRODS CRK WTP PH. I - 90% DESIGN			
D942072907	HARRODS CRK WTP PH. I - 60% DESIGN	0%					HARRODS CRK WTP PH. I - 60% DESIGN			
D942072906	EPSC PLANS	0%					EPSC PLANS			
HARRODS CREEK PS & FM										
D942063000	HARRODS CREEK P.S. & F.M. - EASEMENT	0%								HARRODS CREEK P.S. & F.M. - EASEMENT
D942062938	HC/PROSPECT AREA STUDY-TASK MEETINGS/COORDINA...	0%					HC/PROSPECT AREA STUDY-TASK MEETINGS/COORDINATION			
D942062937	HC/PROSPECT AREA STUDY-THREATENED/ENDANGERED...	0%					HC/PROSPECT AREA STUDY-THREATENED/ENDANGERED SPECIES COORDINATION			
D942062936	HC/PROSPECT AREA STUDY-WATER/WETLAND PERMITTI...	0%					HC/PROSPECT AREA STUDY-WATER/WETLAND PERMITTING			
D942062935	HC/PROSPECT AREA STUDY-CULTURAL RESOURCES OV...	0%					HC/PROSPECT AREA STUDY-CULTURAL RESOURCES OVERVIEW			
D942062934	HC/PROSPECT AREA STUDY-THREATENED/ENDANGERED...	0%					HC/PROSPECT AREA STUDY-THREATENED/ENDANGERED SPECIES SURVEY			
D942062933	HC/PROSPECT AREA STUDY-FIELD DELINEATION	0%					HC/PROSPECT AREA STUDY-FIELD DELINEATION			
D942062932	HC/PROSPECT AREA STUDY-DIRECT EXPENSES	0%					HC/PROSPECT AREA STUDY-DIRECT EXPENSES			
D942062931	HC/PROSPECT AREA STUDY-MEETINGS AND REPORTS	0%					HC/PROSPECT AREA STUDY-MEETINGS AND REPORTS			
D942062930	HC/PROSPECT AREA STUDY-EASEMENT PLATS	0%					HC/PROSPECT AREA STUDY-EASEMENT PLATS			
D942062929	HC/PROSPECT AREA STUDY-FINAL DESIGN	0%					HC/PROSPECT AREA STUDY-FINAL DESIGN			
D942062928	HC/PROSPECT AREA STUDY-PRELIMINARY DESIGN AND S...	0%					HC/PROSPECT AREA STUDY-PRELIMINARY DESIGN AND STUDIES			
D942062927	HC/PROSPECT AREA STUDY-GUARANTEED MAXIMUM ASS...	0%					HC/PROSPECT AREA STUDY-GUARANTEED MAXIMUM ASSESSMENT			
D942062926	HC/PROSPECT AREA STUDY-SURVEYING	0%					HC/PROSPECT AREA STUDY-SURVEYING			
D942062925	HC/PROSPECT AREA STUDY-TASK 4.4	100%					HC/PROSPECT AREA STUDY-TASK 4.4			
D942062924	HC/PROSPECT AREA STUDY-TASK 4.1-4.3	100%					HC/PROSPECT AREA STUDY-TASK 4.1-4.3			
D942062923	HC/PROSPECT AREA STUDY-TASK 3.3	100%					HC/PROSPECT AREA STUDY-TASK 3.3			
D942062922	HC/PROSPECT AREA STUDY-TASK 3.1-3.2	100%					HC/PROSPECT AREA STUDY-TASK 3.1-3.2			
D942062921	HC/PROSPECT AREA STUDY-TASK 2.3-2.4	100%					HC/PROSPECT AREA STUDY-TASK 2.3-2.4			
D942062920	HC/PROSPECT AREA STUDY-TASK 2.2	100%					HC/PROSPECT AREA STUDY-TASK 2.2			
D942062916	EPSC PLANS	0%					EPSC PLANS			
D942062915	HARRODS CREEK - 100% PLANS & CONTRACT DOCS	0%					HARRODS CREEK - 100% PLANS & CONTRACT DOCS			
D942062914	HARRODS CREEK - 80% PLANS SUBMITTAL	0%					HARRODS CREEK - 80% PLANS SUBMITTAL			
HAZELWOOD PUMP STATION I&I INVESTIGATION										
H091819000	HAZELWOOD PUMP STATION I&I INVESTIGATION - FORCE ...	0%					HAZELWOOD PUMP STATION I&I INVESTIGATION - FORCE ACCOUNT			
H091816000	HAZELWOOD PUMP STATION I&I INVESTIGATION - CONST...	0%					HAZELWOOD PUMP STATION I&I INVESTIGATION - CONS			
H091814500	HAZELWOOD PUMP STATION I&I INVESTIGATION - AWARD	0%					HAZELWOOD PUMP STATION I&I INVESTIGATION - AWARD			
H091814050	HAZELWOOD PUMP STATION I&I INVESTIGATION - BID OPEN	0%					HAZELWOOD PUMP STATION I&I INVESTIGATION - BID OPEN			
H091814000	HAZELWOOD PUMP STATION I&I INVESTIGATION- AD DATE	0%					HAZELWOOD PUMP STATION I&I INVESTIGATION- AD DATE			
H091813000	HAZELWOOD PUMP STATION I&I INVESTIGATION - EASEM...	0%					HAZELWOOD PUMP STATION I&I INVESTIGATION - EASEMENT			
H091812000	HAZELWOOD PUMP STATION I&I INVESTIGATION - DESIGN	0%					HAZELWOOD PUMP STATION I&I INVESTIGATION - DESIGN			
H091811220	HAZELWOOD PS I&I INVESTIGATION - SSES REPORT	0%					HAZELWOOD PS I&I INVESTIGATION - SSES REPORT			
H091811200	HAZELWOOD PUMP STATION I&I INVESTIGATION - SSES	0%					HAZELWOOD PUMP STATION I&I INVESTIGATION - SSES			
HIKES POINT INTERCEPTOR										
H072866000	HIKES POINT INTERCEPTOR - CONSTRUCTION	0%								HIKES PO
H072864500	HIKES POINT INTERCEPTOR - AWARD	0%								HIKES POINT IN
H072864050	HIKES POINT INTERCEPTOR - BID OPEN	0%								HIKES POINT INTERCEP
H072862908	HIKES POINT INTERCEPTOR - ATTEND PREBID PHASE 2	0%								HIKES POINT INTERCEPTOR - A
H072862907	HIKES POINT INTERCEPTOR - ATTEND PREBID PHASE 1	0%								HIKES POINT INTERCEPTOR - ATTEND PREBID PHASE
H072862906	HIKES POINT INTERCEPTOR - 100% DESIGN SUBMITTAL	0%					HIKES POINT INTERCEPTOR - 100% DESIGN SUBMITTAL			

█ Remaining Level of Effort
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 ◆ Milestone
█ Actual Work
 █ Critical Remaining Work

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H072862905	HIKES POINT INTERCEPTOR - 90% DESIGN SUBMITTAL	100%	HIKES POINT INTERCEPTOR - 90% DESIGN SUBMITTAL							
H072862904	HIKES POINT INTERCEPTOR - 60% DESIGN SUBMITTAL	100%	HIKES POINT INTERCEPTOR - 60% DESIGN SUBMITTAL							
H072854000	HIKES POINT INTERCEPTOR - AD DATE	0%							◆ HIKES POINT INTERCEPTOR - AD DATE	
HIKES POINT INTERCEPTOR PH II										
H110269000	HIKES POINT INTERCEPTOR PHASE II- FORCE ACCT	0%					HIKES POINT INTERCEPTOR PHASE II- FORCE ACCT			
H110263000	HIKES POINT INTERCEPTOR PHASE II- EASEMENTS	0%					HIKES POINT INTERCEPTOR PHASE II- EASEMENTS			
H110262000	HIKES POINT INTERCEPTOR PHASE II- DESIGN	0%					HIKES POINT INTERCEPTOR PHASE II- DESIGN			
HIKES POINT RELIEF EFFORT										
H072874050	HIKES POINT RELIEF SEWER EFFORT - BID OPEN	0%							◆ HIKES	
H072874000	HIKES POINT RELIEF SEWER EFFORT - AD DATE	0%							◆ HIKES POINT	
H072873000	HIKES POINT RELIEF SEWER EFFORT - EASEMENTS	85%	HIKES POINT RELIEF SEWER EFFORT - EASEMENTS							
HURSTBOURNE I&I INVEST & REHAB										
H092199000	HURSTBOURNE I&I INVEST & REHAB - FORCE ACCT	0%	HURSTBOURNE I&I INVEST & REHAB - FORCE ACCT							
H092193000	HURSTBOURNE I&I INVEST & REHAB - ESM'TS	0%							HURSTBOURNE	
H092192000	HURSTBOURNE I&I INVEST & REHAB - DESIGN	0%	HURSTBOURNE I&I INVEST & REHAB - DESIGN							
I-64 & GRINSTEAD STORAGE BASIN										
H091219000	I-64 & GRINSTEAD STORAGE BASIN - FORCE ACCOUNT	0%					I-64 & GRINSTEAD STORAGE BASIN - FORCE ACCOUNT			
H091213000	I-64 & GRINSTEAD STORAGE BASIN - EASEMENT	0%							I-64 & GRINSTEAD ST	
H091212000	I-64 & GRINSTEAD STORAGE BASIN - PRELIM DESIGN	0%					I-64 & GRINSTEAD STORAGE BASIN - PRELIM DESIGN			
H091211000	I-64 & GRINSTEAD STORAGE BASIN - PLANNING	95%	I-64 & GRINSTEAD STORAGE BASIN - PLANNING							
ICA FY11										
H093819000	ICA FY11 - FACCT	0%					ICA FY11 - FACCT			
H093811000	ICA FY11 - PLANNING	10%					ICA FY11 - PLANNING			
IOAP REVISIONS										
H094559000	IOAP REVISIONS - FACCT	0%					IOAP REVISIONS - FACCT			
H094551000	IOAP REVISIONS - PLANNING	0%					IOAP REVISIONS - PLANNING			
JEFFERSONTOWN SSES										
H093959000	JEFFERSONTOWN SSES - FACCT	0%					JEFFERSONTOWN SSES - FACCT			
H093951000	JEFFERSONTOWN SSES - PLANNING	5%			JEFFERSONTOWN SSES - PLANNING					
JEFFERSONTOWN SSR PHASE 3										
H094099000	JEFFERSONTOWN SSR PHASE 3 - FORCE ACCT	0%					JEFFERSONTOWN SSR PHASE 3 - FORCE ACCT			
H094096000	JEFFERSONTOWN SSR PHASE 3 - CONSTRUCTION	0%							JEFFERSONTOWN SSR PHASE 3 - CONST	
H094094500	JEFFERSONTOWN SSR PHASE 3 - AWARD	0%							◆ JEFFERSONTOWN SSR PHASE 3 - AWARD	
H094094050	JEFFERSONTOWN SSR PHASE 3 - BID OPEN	0%							◆ JEFFERSONTOWN SSR PHASE 3 - BID OPEN	
H094094000	JEFFERSONTOWN SSR PHASE 3 - AD DATE	0%							◆ JEFFERSONTOWN SSR PHASE 3 - AD DATE	
H094092000	JEFFERSONTOWN SSR PHASE 3 - DESIGN	0%				JEFFERSONTOWN SSR PHASE 3 - DESIGN				
JEFFERSONTOWN TP ELIMINATION										
H072939000	JEFFERSONTOWN TP ELIMINATION - FACCT	0%					JEFFERSONTOWN TP ELIMINATION - FACCT			
H072938050	JEFFERSONTOWN WQTC ELIMINATION - CD CERTIFY	0%							◆ JEFFERSONTOWN WQTC ELIMINATION - CD	
H072932000	JEFFERSONTOWN TP ELIMINATION - DESIGN	0%							JEFFERSONTOWN TP ELIMINATION - DESIGN	
H072931000	JEFFERSONTOWN TP ELIMINATION - PLANNING	0%				JEFFERSONTOWN TP ELIMINATION - PLANNING				
KAVANAUGH ROAD PUMP STATION IMPROVEMENT										
H091719000	KAVANAUGH RD PUMP STATION IMPROVEMENTS - FORC...	0%					KAVANAUGH RD PUMP STATION IMPROVEMENTS - FOR			
H091714050	KAVANAUGH RD PUMP STATION IMPROVEMENTS - BID OP...	0%							◆ KAV	
H091714000	KAVANAUGH RD PUMP STATION IMPROVEMENTS- AD DATE	0%							◆ KAVAN	
H091713000	KAVANAUGH RD PUMP STATION IMPROVEMENTS - EASE...	0%							KAVANAUGH RD PUMP STATION	

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			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H091712000	KAVANAUGH RD PUMP STATION IMPROVEMENTS - DESIGN	0%								KAVANAUGH RD PUMP STATION IMPROVEMENTS - DESIGN
H091711000	KAVANAUGH RD PUMP STATION IMP - SSES PLANNING	75%								KAVANAUGH RD PUMP STATION IMP - SSES PLANNING
LAKE FOREST PUMP STATION IMPROVEMENT										
H091739000	LAKE FOREST PUMP STATION IMPROVEMENT - FORCE AC...	0%								LAKE FOREST PUMP STATION IMPROVEMENT - FORCE AC...
H091732000	LAKE FOREST PUMP STATION IMPROVEMENT - DESIGN	0%								LAKE FOREST PUMP STATION IMPROVEMENT - DESIGN
H091731200	LAKE FOREST PUMP STATION IMPROVEMENT - SSES	75%								LAKE FOREST PUMP STATION IMPROVEMENT - SSES
LAKE FOREST SSES										
H093969000	LAKE FOREST SSES - FACCT	0%								LAKE FOREST SSES - FACCT
H093961220	LAKE FOREST SSES REPORT	50%								LAKE FOREST SSES REPORT
H093961000	LAKE FOREST SSES - PLANNING	100%	LAKE FOREST SSES - PLANNING							
LAKE OF WOODS WWTP ELIMINATION										
E942519000	LAKE OF WOODS WWTP ELIM. - FORCE ACCT	0%								LAKE OF WOODS WWTP ELIM. - FORCE ACCT
E942512000	LAKE OF WOODS WWTP ELIM. - DESIGN	0%								LAKE OF WOODS WWTP ELIM. - DESIGN
LANTANA PUMP STATION WET WEATHER STORAGE BASIN										
H091939000	LANTANA PUMP STATION WET WEATHER STORAGE - FO...	0%								LANTANA PUMP STATION WET WEATHER STORAGE - FORCE ACCOUNT
H091936000	LANTANA PUMP STATION WET WEATHER STORAGE - CO...	0%								LANTANA PUMP STATION WET WEATHER STORAGE - CO...
H091934500	LANTANA PUMP STATION WET WEATHER STORAGE - AW...	0%								LANTANA PUMP STATION WET WEATHER STORAGE - AW...
H091934050	LANTANA PUMP STATION WET WEATHER STORAGE - BID ...	0%								◆ LANTANA PUMP STATION WET WEATHER STORAGE - BID ...
H091934000	LANTANA PUMP STATION WET WEATHER STORAGE - AD ...	0%								◆ LANTANA PUMP STATION WET WEATHER STORAGE - AD ...
H091933000	LANTANA PUMP STATION WET WEATHER STORAGE - EAS...	0%								◆ LANTANA PUMP STATION WET WEATHER STORAGE - EASEMENT
H091932000	LANTANA PUMP STATION WET WEATHER STORAGE - DE...	0%								LANTANA PUMP STATION WET WEATHER STORAGE - DESIGN
H091931200	LANTANA PUMP STATION WET WEATHER STORAGE - SSES	90%								LANTANA PUMP STATION WET WEATHER STORAGE - SSES
LEA ANN WAY PHASE 2 ICA										
H093989000	LEA ANN WAY PHASE 2 ICA - FACCT	0%	LEA ANN WAY PHASE 2 ICA - FACCT							
H093981000	LEA ANN WAY PHASE 2 ICA - PLANNING	80%	LEA ANN WAY PHASE 2 ICA - PLANNING							
LEA ANN WAY PS SYSTEM SSES										
H090962931	FINAL REPORT SUBMITTAL - LEA ANN WEST	0%								FINAL REPORT SUBMITTAL - LEA ANN WEST
H090962930	FINAL REPORT SUBMITTAL - LANTANA	0%								FINAL REPORT SUBMITTAL - LANTANA
H090962929	DYE TRACING/FLOODING - LEA ANN WEST	0%								DYE TRACING/FLOODING - LEA ANN WEST
H090962928	DYE TRACING/FLOODING - LANTANA	0%								DYE TRACING/FLOODING - LANTANA
H090962927	SMOKE TESTING LEA ANN WEST	0%								SMOKE TESTING LEA ANN WEST
H090962926	SMOKE TESTING LANTANA	0%								SMOKE TESTING LANTANA
H090962925	MANHOLE INSP LEA ANN WEST 4	0%								MANHOLE INSP LEA ANN WEST 4
H090962924	MANHOLE INSP LEA ANN WEST 3	0%								MANHOLE INSP LEA ANN WEST 3
H090962923	MANHOLE INSP LEA ANN WEST 2	0%								MANHOLE INSP LEA ANN WEST 2
H090962922	MANHOLE INSP LEA ANN WEST 1	0%								MANHOLE INSP LEA ANN WEST 1
H090962921	MANHOLE INSPECTIONS LANTANA	0%								MANHOLE INSPECTIONS LANTANA
H090962920	PUBLIC MTG - LEA ANN WEST AFTER	0%								PUBLIC MTG - LEA ANN WEST AFTER
H090962919	PUBLIC MTG - LEA ANN WEST BEFORE	100%								PUBLIC MTG - LEA ANN WEST BEFORE
H090962918	PUBLIC MTG - LANTANA AFTER	0%								PUBLIC MTG - LANTANA AFTER
H090962917	PUBLIC MTG - LANTANA BEFORE	100%								PUBLIC MTG - LANTANA BEFORE
H090962916	LEA ANN WEST/LANTANA WORK PLAN	100%								LEA ANN WEST/LANTANA WORK PLAN
H090962915	LA WEST/LANTANA KICKOFF MTG	100%								LA WEST/LANTANA KICKOFF MTG
H090962914	LEA ANN WEST/LANTANA SSES- HOURLY	0%								LEA ANN WEST/LANTANA SSES- HOURLY
H090962913	LEA ANN EAST SSES EXPENSES	0%								LEA ANN EAST SSES EXPENSES
H090962912	EAST FINAL PROJECT REPORT	0%								EAST FINAL PROJECT REPORT

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			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H090962911	LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 5	0%								
H090962910	LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 4	0%								
H090962909	LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 3	0%								
H090962908	LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 2	0%								
H090962907	LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 1	0%								
H090962906	LEA ANN EAST NBHD MEETINGS	90%								
H090962905	EAST MONTHLY PROJECT MGMT REPORTS	0%								
H090962904	LEA ANN SSES EAST NOTIFICATION PLAN	100%								
H090962903	EAST DATA, COLLECTION, REVIEW&BASIN DELINEATION	100%								
H090962902	EAST PROJECT WORK PLAN	100%								
H090962901	LEA ANN WAY PS SYSTEM SSES HOURLY	0%								
LEA ANN WAY SANITARY SEWER I/I REHABILITATION										
C084331200	LEA ANN WAY SANITARY SEWER I/I REHAB - SSES	60%								
LEA ANN WAY SSR PHASE 1										
H094059000	LEA ANN WAY SSR PHASE 1 - FACCT	0%								
H094056000	LEA ANN WAY SSR PHASE 1 - CONSTRUCTION	0%								
H094054500	LEA ANN WAY SSR PHASE 1 - AWARD	0%								
H094054050	LEA ANN WAY SSR PHASE 1 - BID OPEN	0%								
H094054000	LEA ANN WAY SSR PHASE 1 - AD DATE	0%								
H094052000	LEA ANN WAY SSR PHASE 1 - DESIGN	0%								
LEA ANN WAY SSR PHASE 2										
H094069000	LEA ANN WAY SSR PHASE 2 - FACCT	0%								
H094066000	LEA ANN WAY SSR PHASE 2 - CONSTRUCTION	0%								
H094064500	LEA ANN WAY SSR PHASE 2 - AWARD	0%								
H094064050	LEA ANN WAY SSR PHASE 2 - BID OPEN	0%								
H094064000	LEA ANN WAY SSR PHASE 2 - AD DATE	0%								
H094062000	LEA ANN WAY SSR PHASE 2 - DESIGN	0%								
LEE AVE SEWER REPLACEMENT										
A101949000	LEE AVENUE SEWER REPLACEMENT-FORCE ACCT	0%								
A101948050	LEE AVENUE SEWER REPLACEMENT-CD CERTIFY	0%								
A101946950	LEE AVENUE SEWER REPLACEMENT-AS-BUILTS	0%								
A101946000	LEE AVENUE SEWER REPLACEMENT - CONSTRUCTION	0%								
A101944500	LEE AVENUE SEWER REPLACEMENT-AWARD	0%								
A101944050	LEE AVENUE SEWER REPLACEMENT-BID OPEN	0%								
A101944000	LEE AVENUE SEWER REPLACEMENT-AD DATE	0%								
LELAND ROAD RELIEF SEWER										
H091899000	LELAND ROAD RELIEF SEWER - FORCE ACCOUNT	0%								
H091892000	LELAND ROAD RELIEF SEWER - DESIGN	0%								
LOGAN STREET & BRECKINRIDGE STREET STORAGE BASIN										
H091422904	LOGAN ST STOR BASIN-PRELIM DESING & PRMT	50%								
H091422903	LOGAN ST STOR BASIN-SITE & TECH SELECT	50%								
H091422902	LOGAN ST STOR BASIN-INFO COLLECTION	50%								
H091422901	LOGAN ST STOR BASIN-BUILD TEAM	50%								
MEADOW STREAM PUMP STATION INLINE STORAGE										
H091741200	MEADOW STREAM PUMP STATION ILS - SSES	50%								
MEADOW STREAM/HITE CREEK SSES										

█ Remaining Level of Effort
 █ Remaining Work
 █ Actual Work
 █ Critical Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H093949000	MEADOW STREAM SSES - FACCT	0%	MEADOW STREAM SSES - FACCT							
H093942913	MEADOW STREAM SSES PROJECT BOOK	0%								MEADOW STREAM SSES PROJECT BOOK
H093942912	MEADOW STREAM SSES FINAL REPORT	0%								MEADOW STREAM SSES FINAL REPORT
H093942911	MEADOW STREAM SSES DRAFT REPORT	0%								MEADOW STREAM SSES DRAFT REPORT
H093942910	MEADOW STREAM SSES MANHOLE REHAB EVAL	0%								MEADOW STREAM SSES MANHOLE REHAB EVAL
H093942909	MEADOW STREAM SSES PUBLIC NOTIFICATION	0%								MEADOW STREAM SSES PUBLIC NOTIFICATION
H093942908	MEADOW STREAM SSES DEFECT ID & MAP	0%								MEADOW STREAM SSES DEFECT ID & MAP
H093942907	MEADOW STREAM SSES PRIVATE PROP INSP	20%								MEADOW STREAM SSES PRIVATE PROP INSP
H093942906	MEADOW STREAM SSES MANHOLE INSPECTION	70%								MEADOW STREAM SSES MANHOLE INSPECTION
H093942905	MEADOW STREAM SSES CCTV DATA ANALYSIS	50%								MEADOW STREAM SSES CCTV DATA ANALYSIS
H093942904	MEADOW STREAM SSES SMOKE TESTING	35%								MEADOW STREAM SSES SMOKE TESTING
H093942903	MEADOW STREAM SSES INITIAL FIELD REVIEW	100%								MEADOW STREAM SSES INITIAL FIELD REVIEW
H093942902	MEADOW STREAM SSES MONTHLY MTG&MGMT	50%								MEADOW STREAM SSES MONTHLY MTG&MGMT
H093942901	MEADOW STREAM SSES PROJECT WORK PLAN	100%								MEADOW STREAM SSES PROJECT WORK PLAN
H093942000	MEADOW STREAM SSES - DESIGN	0%								MEADOW STREAM SSES - DESIGN
H093941220	MEADOW STREAM SSES REPORT	0%								MEADOW STREAM SSES REPORT
H093941000	MEADOW STREAM SSES - PLANNING	100%	MEADOW STREAM SSES - PLANNING							
MELLWOOD PS ELIMINATION & FORCE MAIN										
A095566000	MELLWOOD PS ELIMINATION & FORCE MAIN - CONSTRUCT	0%								MELLWOOD PS ELIMINATION & FORCE MAIN - CONSTRUCT
A095564500	MELLWOOD PS ELIMINATION & FORCE MAIN - AWARD	0%								MELLWOOD PS ELIMINATION & FORCE MAIN - AWARD
A095564050	MELLWOOD PS ELIMINATION & FORCE MAIN - BID OPEN	0%								MELLWOOD PS ELIMINATION & FORCE MAIN - BID OPEN
A095564000	MELLWOOD PS ELIMINATION & FORCE MAIN - AD DATE	0%								MELLWOOD PS ELIMINATION & FORCE MAIN - AD DATE
A095563000	MELLWOOD PS ELIMINATION & FORCE MAIN - EASEMENTS	0%								MELLWOOD PS ELIMINATION & FORCE MAIN - EASEMENTS
A095562905	MELLWOOD PS ELIMINATION & FORCE MAIN 100% DESIGN	0%								MELLWOOD PS ELIMINATION & FORCE MAIN 100% DESIGN
A095562904	MELLWOOD PS ELIMINATION & FORCE MAIN 90% DESIGN	0%								MELLWOOD PS ELIMINATION & FORCE MAIN 90% DESIGN
A095562903	MELLWOOD PS ELIMINATION & FORCE MAIN 60% DESIGN	100%								MELLWOOD PS ELIMINATION & FORCE MAIN 60% DESIGN
A095562902	MELLWOOD PS ELIMINATION & FORCE MAIN 30% DESIGN	100%								MELLWOOD PS ELIMINATION & FORCE MAIN 30% DESIGN
A095562901	MELLWOOD PS ELIMINATION & FORCE MAIN 10% DESIGN	100%								MELLWOOD PS ELIMINATION & FORCE MAIN 10% DESIGN
MILL CREEK SSES										
H093999000	MILL CREEK SSES - FACCT	0%								MILL CREEK SSES - FACCT
H093992904	MILL CREEK SSES - FINAL REPORT AND RECOMMENDATION	0%								MILL CREEK SSES - FINAL REPORT AND RECOMMENDATION
H093992903	MILL CREEK SSES - DATA ANALYSIS AND REPORTING	0%								MILL CREEK SSES - DATA ANALYSIS AND REPORTING
H093992902	MILL CREEK SSES - PUBLIC RELATIONS	0%								MILL CREEK SSES - PUBLIC RELATIONS
H093992901	MILL CREEK SSES -PROJECT COORDINATION	0%								MILL CREEK SSES -PROJECT COORDINATION
H093991000	MILL CREEK SSES - PLANNING	5%								MILL CREEK SSES - PLANNING
MSD UPD Current Schedule										
D942062947	HC/PROSPECT AREA STUDY-RIVER ROAD INTERCEPTOR ...	0%								HC/PROSPECT AREA STUDY-RIVER ROAD INTERCEPTOR PLAN UPDATE
D942062946	HC/PROSPECT AREA STUDY-HARRODS CREEK FORCE MA...	0%								HC/PROSPECT AREA STUDY-HARRODS CREEK FORCE MAIN PHASE III
D942062945	HC/PROSPECT AREA STUDY-SURVEY	0%								HC/PROSPECT AREA STUDY-SURVEY
D942062944	HC/PROSPECT AREA STUDY-HUNTING CREEK WQTC ELI...	0%								HC/PROSPECT AREA STUDY-HUNTING CREEK WQTC ELIMINATION
D942062943	HC/PROSPECT AREA STUDY-FINAL DESIGN- 100% MILEST...	0%								HC/PROSPECT AREA STUDY-FINAL DESIGN- 100% MILESTONE
D942062942	HC/PROSPECT AREA STUDY-FINAL DESIGN- 90% MILESTO...	0%								HC/PROSPECT AREA STUDY-FINAL DESIGN- 90% MILESTONE
D942062941	HC/PROSPECT AREA STUDY-FINAL DESIGN- 60%	0%								HC/PROSPECT AREA STUDY-FINAL DESIGN- 60%
D942062940	HC/PROSPECT AREA STUDY-PRELIMINARY DESIGN - 30% ...	0%								HC/PROSPECT AREA STUDY-PRELIMINARY DESIGN - 30% MILESTONE
D942062939	HC/PROSPECT AREA STUDY-PRELIMINARY DESIGN- 10% ...	0%								HC/PROSPECT AREA STUDY-PRELIMINARY DESIGN- 10% MILESTONE
MUNCIE AVENUE ACCESS ROAD FOR ISO 05										

█ Remaining Level of Effort
 █ Remaining Work
 █ Actual Work
 █ Critical Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
B101489000	MUNCIE AVE ACCESS ROAD FOR ISO 05-FORCE ACCT	0%					MUNCIE AVE ACCESS ROAD FOR ISO 05-FORCE ACCT			
B101486000	MUNCIE AVE ACCESS ROAD FOR ISO 05 -CONSTRUCT	0%					MUNCIE AVE ACCESS ROAD FOR ISO 05 -CONSTRUCT			
NMC 1 FY10										
H093069000	NMC 1 FY10 - FACCT	0%					NMC 1 FY10 - FACCT			
H093061000	NMC 1 FY10 - PLANNING	0%					NMC 1 FY10 - PLANNING			
NMC 1 FY11										
H093169000	NMC 1 FY11 - FACCT	0%					NMC 1 FY11 - FACCT			
H093161000	NMC 1 FY11 - PLANNING	0%					NMC 1 FY11 - PLANNING			
NMC 2 FY10										
H093079000	NMC 2 FY10 - FACCT	0%					NMC 2 FY10 - FACCT			
H093071000	NMC 2 FY10 - PLANNING	0%					NMC 2 FY10 - PLANNING			
NMC 2 FY11										
H093179000	NMC 2 FY11 - FACCT	0%					NMC 2 FY11 - FACCT			
H093171000	NMC 2 FY11 - PLANNING	0%					NMC 2 FY11 - PLANNING			
NMC 3 FY10										
H093089000	NMC 3 FY10 - FACCT	0%					NMC 3 FY10 - FACCT			
H093081000	NMC 3 FY10 - PLANNING	0%					NMC 3 FY10 - PLANNING			
NMC 3 FY11										
H093189000	NMC 3 FY11 - FACCT	0%					NMC 3 FY11 - FACCT			
H093181000	NMC 3 FY11 - PLANNING	0%					NMC 3 FY11 - PLANNING			
NMC 4 FY10										
H093099000	NMC 4 FY10 - FACCT	0%					NMC 4 FY10 - FACCT			
H093091000	NMC 4 FY10 - PLANNING	0%					NMC 4 FY10 - PLANNING			
NMC 4 FY11										
H093199000	NMC 4 FY11 - FACCT	0%					NMC 4 FY11 - FACCT			
H093191000	NMC 4 FY11 - PLANNING	0%					NMC 4 FY11 - PLANNING			
NMC 5 FY10										
H093109000	NMC 5 FY10 - FACCT	0%					NMC 5 FY10 - FACCT			
H093101000	NMC 5 FY10 - PLANNING	0%					NMC 5 FY10 - PLANNING			
NMC 5 FY11										
H093209000	NMC 5 FY11 - FACCT	0%					NMC 5 FY11 - FACCT			
H093201000	NMC 5 FY11 - PLANNING	0%					NMC 5 FY11 - PLANNING			
NMC 6 FY10										
H093119000	NMC 6 FY10 - FACCT	0%					NMC 6 FY10 - FACCT			
H093111000	NMC 6 FY10 - PLANNING	0%					NMC 6 FY10 - PLANNING			
NMC 6 FY11										
H093219000	NMC 6 FY11 - FACCT	0%					NMC 6 FY11 - FACCT			
H093211000	NMC 6 FY11 - PLANNING	0%					NMC 6 FY11 - PLANNING			
NMC 7 FY10										
H093129000	NMC 7 FY10 - FACCT	0%					NMC 7 FY10 - FACCT			
H093121000	NMC 7 FY10 - PLANNING	0%					NMC 7 FY10 - PLANNING			
NMC 7 FY11										
H093229000	NMC 7 FY11 - FACCT	0%					NMC 7 FY11 - FACCT			
H093221000	NMC 7 FY11 - PLANNING	0%					NMC 7 FY11 - PLANNING			
NMC 8 FY10										

Remaining Level of Effort
 Remaining Work
 Milestone
 Actual Work
 Critical Remaining Work

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
H093139000	NMC 8 FY10 - FACCT	0%					NMC 8 FY10 - FACCT			
H093131000	NMC 8 FY10 - PLANNING	0%					NMC 8 FY10 - PLANNING			
NMC 8 FY11										
H093239000	NMC 8 FY11 - FACCT	0%					NMC 8 FY11 - FACCT			
H093231000	NMC 8 FY11 - PLANNING	0%					NMC 8 FY11 - PLANNING			
NMC 9 FY10										
H093149000	NMC 9 FY10 - FACCT	0%					NMC 9 FY10 - FACCT			
H093141000	NMC 9 FY10 - PLANNING	0%					NMC 9 FY10 - PLANNING			
NMC 9 FY11										
H093249000	NMC 9 FY11 - FACCT	0%					NMC 9 FY11 - FACCT			
H093241000	NMC 9 FY11 - PLANNING	0%					NMC 9 FY11 - PLANNING			
NMC AAOV FY10										
H093159000	NMC AAOV FY10 - FACCT	0%					NMC AAOV FY10 - FACCT			
H093151000	NMC AAOV FY10 - PLANNING	0%					NMC AAOV FY10 - PLANNING			
NMC AAOV FY11										
H093259000	NMC AAOV FY11 - FACCT	0%					NMC AAOV FY11 - FACCT			
H093251000	NMC AAOV FY11 - PLANNING	0%					NMC AAOV FY11 - PLANNING			
NORTH HUNTING CREEK PS & FM										
A095589000	NORTH HUNTING CREEK PS & FM - FACCT	0%					NORTH HUNTING CREEK PS & FM - FACCT			
A095582906	NORTH HUNTING CREEK PS & FM - GEOTECH INVESTIGA...	0%					NORTH HUNTING CREEK PS & FM - GEOTECH INVESTIGATION			
A095582905	NORTH HUNTING CREEK PS & FM -SUBMIT BID DOCS	0%					NORTH HUNTING CREEK PS & FM -SUBMIT BID DOCS			
A095582904	NORTH HUNTING CREEK PS & FM - 90% SUBMITTAL	0%					NORTH HUNTING CREEK PS & FM - 90% SUBMITTAL			
A095582903	NORTH HUNTING CREEK PS & FM - 60% SUBMITTAL	0%					NORTH HUNTING CREEK PS & FM - 60% SUBMITTAL			
A095582902	NORTH HUNTING CREEK PS & FM - 30% SUBMITTAL	0%					NORTH HUNTING CREEK PS & FM - 30% SUBMITTAL			
A095582901	NORTH HUNTING CREEK PS & FM - 10% SUBMITTAL	0%					NORTH HUNTING CREEK PS & FM - 10% SUBMITTAL			
A095582000	NORTH HUNTING CREEK PS & FM - DESIGN	0%					NORTH HUNTING CREEK PS & FM - DESIGN			
NORTHERN DITCH INT PHASE 2										
A092269000	NORTHERN DITCH INT PHASE 2 - FACCT	0%	NORTHERN DITCH INT PHASE 2 - FACCT							
A092266900	NORTHERN DITCH INT PHASE 2 - SUBST. COMP.	0%								
A092266000	NORTHERN DITCH INT PHASE 2 - CONSTRUCTION	0%		NORTHERN DITCH INT PHASE 2 - CONSTRUCTION						
A092264500	NORTHERN DITCH INT PHASE 2 - AWARD	100%		◆ NORTHERN DITCH INT PHASE 2 - AWARD						
A092264050	NORTHERN DITCH INT PHASE 2 - BID OPEN	100%	◆ NORTHERN DITCH INT PHASE 2 - BID OPEN							
A092264000	NORTHERN DITCH INT PHASE 2 - AD DATE	100%	◆ NORTHERN DITCH INT PHASE 2 - AD DATE							
A092262903	NORTHERN DITCH INT PHASE 2 - DESIGN SERVICES DURI...	0%					NORTHERN DITCH INT PHASE 2 - DESIGN SERVICES DURING CONSTRUCTION			
A092262902	NORTHERN DITCH INT PHASE 2 - EXTRA WORK TO BE CO...	0%					NORTHERN DITCH INT PHASE 2 - EXTRA WORK TO BE COMPLETED			
A092262901	NORTHERN DITCH INT PHASE 2 - EXTRA WORK ALREADY ...	0%					NORTHERN DITCH INT PHASE 2 - EXTRA WORK ALREADY COMPLETED			
NORTHERN DITCH INT PHASE 3										
A095009000	NORTHERN DITCH INT PHASE 3 - FACCT	0%					NORTHERN DITCH INT PHASE 3 - FACCT			
A095006000	NORTHERN DITCH INT PHASE 3 - CONSTRUCTION	0%					NORTHERN DITCH INT PHASE 3 - CONSTRUCTION			
A095004500	NORTHERN DITCH INT PHASE 3 - AWARD	0%								
A095004050	NORTHERN DITCH INT PHASE 3 - BID OPEN	0%								
A095004000	NORTHERN DITCH INT PHASE 3 - AD DATE	0%								
A095003000	NORTHERN DITCH INT PHASE 3 - EASEMENT	100%		NORTHERN DITCH INT PHASE 3 - EASEMENT						
NORTHERN DITCH INTERCEPTOR (NR-1A)										
C850178050	NORTHERN DITCH INTERCEPTOR (NR-1A) - CD CERTIFY	0%								
C850176950	NORTHERN DITCH INTERCEPTOR (NR-1A) - AS-BUILT PL	0%								

█ Remaining Level of Effort
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 ◆ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011					
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4		
C850176900	NORTHERN DITCH INTERCEPTOR (NR-1A) - SUBST.COMP	0%										
C850172925	NO DITCH INT (NR-1A)-DSDC	0%										
ORICA												
H094009000	OHIO RIVER INTERCEPTOR ICA - FACCT	100%										
H094001000	OHIO RIVER INTERCEPTOR ICA - PLANNING	100%										
PADDY'S RUN WW TREATMENT FACILITY												
H091249000	PADDY'S RUN WW TREATMENT FACILITY - FORCE ACCOU...	0%										
H091243000	PADDY'S RUN WW TREATMENT FACILITY - EASEMENT	0%										
H091242000	PADDY'S RUN WW TREATMENT FACILITY - DESIGN	0%										
H091241000	PADDY'S RUN WW TREATMENT FACILITY - PLANNING	100%										
PARKVIEW ESTATES I&I INVESTIGATION												
H091989000	PARKVIEW ESTATES I&I INVESTIGATION - FORCE ACCOUNT	0%										
H091986000	PARKVIEW ESTATES I&I INVESTIGATION - CONSTRUCTION	0%										
H091984500	PARKVIEW ESTATES I&I INVESTIGATION - AWARD	0%										
H091984050	PARKVIEW ESTATES I&I INVESTIGATION - BID OPEN	0%										
H091984000	PARKVIEW ESTATES I&I INVESTIGATION - AD DATE	0%										
H091983000	PARKVIEW ESTATES I&I INVESTIGATION - EASEMENT	0%										
H091982000	PARKVIEW ESTATES I&I INVESTIGATION - DESIGN	5%										
H091981200	PARKVIEW ESTATES I&I INVESTIGATION - SSES	10%										
PROSPECT SSES												
H093919000	PROSPECT SSES - FACCT	0%										
H093912913	PROSPECT HUNTING CREEK SSES PROJECT BOOK	0%										
H093912912	PROSPECT HUNTING CREEK SSES FINAL REPORT	0%										
H093912911	PROSPECT HUNTING CREEK SSES DRAFT REPORT	0%										
H093912910	PROSPECT HUNTING CREEK SSES MANHOLE REHAB EVAL	5%										
H093912909	PROSPECT HUNTING CREEK SSES PUBLIC NOTIFICATION	0%										
H093912908	PROSPECT HUNTING CREEK SSES DEFECT ID & MAP	0%										
H093912907	PROSPECT HUNTING CREEK SSES PRIVATE PROP INSP	55%										
H093912906	PROSPECT HUNTING CREEK SSES MANHOLE INSPECTION	70%										
H093912905	PROSPECT HUNTING CREEK SSES CCTV DATA ANALYSIS	25%										
H093912904	PROSPECT HUNTING CREEK SSES SMOKE TESTING	95%										
H093912903	PROSPECT HUNTING CREEK SSES INITIAL FIELD REVIEW	100%										
H093912902	PROSPECT HUNTING CREEK SSES MONTHLY MTG&MGMT	50%										
H093912901	PROSPECT HUNTING CREEK SSES PROJECT WORK PLAN	100%										
H093912000	PROSPECT SSES REPORT - DESIGN	0%										
H093911220	PROSPECT SSES REPORT	0%										
H093911000	PROSPECT SSES - PLANNING	100%										
RAINTREE & MARIAN COURT PUMP STATION ELIMINATION												
H091809000	RAINTREE & MARIAN CT PUMP STATION ELIMINATION- FO...	0%										
H091802000	RAINTREE & MARIAN CT PUMP STATION ELIMINATION - DE...	100%										
H091801200	RAINTREE & MARIAN CT PUMP STATION ELIMINATION - SS...	100%										
RIDING RIDGE PUMP STATION IMPROVEMENT												
H091751200	RIDING RIDGE PUMP STATION IMP - SSES PLANNING	75%										
RIVER ROAD INTERCEPTOR												
D942106000	RIVER ROAD INTERCEPTOR - CONSTRUCTION	0%										
D942104500	RIVER ROAD INTERCEPTOR - AWARD	0%										

█ Remaining Level of Effort
 █ Remaining Work
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 █ Critical Remaining Work
 ▶ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011					
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4		
D942104050	RIVER ROAD INTERCEPTOR - BID OPENING	0%									◆ RIVER ROAD INTERCEPTOR - BID OPENING	
D942104000	RIVER ROAD INTERCEPTOR - AD DATE	0%									◆ RIVER ROAD INTERCEPTOR - AD DATE	
D942102907	100% DESIGN	0%									◆ 100% DESIGN	
D942102906	90% DESIGN	100%	90% DESIGN									
ROSE FARM PARK												
H101959000	ROSE FARM PARK - FACCT	0%									ROSE FARM PARK - FACCT	
H101956000	ROSE FARM PARK - CONSTRUCTION	0%									ROSE FARM PARK - CONSTRUCTION	
H101951000	ROSE FARM PARK - PLANNING	0%									ROSE FARM PARK - PLANNING	
RUNNING FOX PUMP STATION ELIMINATION												
H091789000	RUNNING FOX PUMP STATION ELIMINATION- FORCE ACC...	100%	PUMP STATION ELIMINATION- FORCE ACCOUNT									
H091788050	RUNNING FOX PUMP STATION ELIMINATION - CD CERTIFI...	100%									◆ RUNNING FOX PUMP STATION ELIMINATION - CD CERTIFICATION	
H091786950	RUNNING FOX PUMP STATION ELIMINATION - AS-BUILTS	100%									◆ RUNNING FOX PUMP STATION ELIMINATION - AS-BUILTS	
H091786900	RUNNING FOX PUMP STATION ELIMINATION - SUBSTANTI...	100%									◆ RUNNING FOX PUMP STATION ELIMINATION - SUBSTANTIALLY COMPLETE	
H091786000	RUNNING FOX PUMP STATION ELIMINATION - CONSTRUC...	100%									◆ RUNNING FOX PUMP STATION ELIMINATION - CONSTRUCTION	
H091784500	RUNNING FOX PUMP STATION ELIMINATION - AWARD	100%									◆ RUNNING FOX PUMP STATION ELIMINATION - AWARD	
H091784050	RUNNING FOX PUMP STATION ELIMINATION - BID OPEN	100%									◆ RUNNING FOX PUMP STATION ELIMINATION - BID OPEN	
H091784000	RUNNING FOX PUMP STATION ELIMINATION - AD DATE	100%									◆ RUNNING FOX PUMP STATION ELIMINATION - AD DATE	
H091783000	RUNNING FOX PUMP STATION ELIMINATION - EASEMENTS	100%	RUNNING FOX PUMP STATION ELIMINATION - EASEMENTS									
SEP - CHEROKEE PARK STREAM RESTORATION PROJECT												
H101409000	SEP CHEROKEE PARK STREAM RESTORATION - FORCE A...	0%									SEP CHEROKEE PARK STREAM RESTORATION - FORCE ACCT	
H101408050	CHEROKEE PK STREAM RESTOR - SEP COMPLETION REP...	0%									◆ CHEROKEE PK STREAM RESTOR - SEP COMPLETION REPORT	
H101406000	SEP CHEROKEE PARK STREAM RESTORATION - CONSTR...	0%									SEP CHEROKEE PARK STREAM RESTORATION - CONSTRUCT	
H101404500	SEP CHEROKEE PARK STREAM RESTORATION - AWARD	0%									◆ SEP CHEROKEE PARK STREAM RESTORATION - AWARD	
H101404050	SEP CHEROKEE PARK STREAM RESTORATION - BID OPEN	0%									◆ SEP CHEROKEE PARK STREAM RESTORATION - BID OPEN	
H101404000	SEP CHEROKEE PARK STREAM RESTORATION - AD DATE	0%									◆ SEP CHEROKEE PARK STREAM RESTORATION - AD DATE	
H101402904	SEP STREAM RESTOR FINAL SUBMIT/BID ASSISTANCE	0%									SEP STREAM RESTOR FINAL SUBMIT/BID ASSISTANCE	
H101402903	SEP CHEROKEE PK STREAM RESTOR 95% SUBMITTAL	0%									SEP CHEROKEE PK STREAM RESTOR 95% SUBMITTAL	
H101402902	SEP CHEROKEE PK STREAM RESTOR 80% SUBMITTAL	0%									SEP CHEROKEE PK STREAM RESTOR 80% SUBMITTAL	
H101402901	SEP CHEROKEE PK STREAM RESTOR PERMITTING	0%									SEP CHEROKEE PK STREAM RESTOR PERMITTING	
H101402000	SEP CHEROKEE PARK STREAM RESTORATION - PLANNING	100%	SEP CHEROKEE PARK STREAM RESTORATION - PLANNING									
SEP - POND CREEK TRAIL STREAM RESTORATION PROJECT												
H101419000	SEP - PC TRAIL STREAM RESTORATION - FORCE ACCT	0%									SEP - PC TRAIL STREAM RESTORATION - FORCE ACCT	
H101412905	SEP-PC STREAM RESTOR -CONSTRUC OVERSIGHT	0%									SEP-PC STREAM RESTOR -CONSTRUC OVERSIGHT	
H101412904	SEP - PC STREAM RESTORATION -100% DESIGN	100%									SEP - PC STREAM RESTORATION -100% DESIGN	
H101412903	SEP - PC STREAM RESTORATION -95% DESIGN	100%									SEP - PC STREAM RESTORATION -95% DESIGN	
H101412902	SEP - PC STREAM RESTORATION - 80% DESIGN	100%									SEP - PC STREAM RESTORATION - 80% DESIGN	
H101412901	PERMIT/CONCEPTUAL STREAM RESTORE DESIGN	100%									PERMIT/CONCEPTUAL STREAM RESTORE DESIGN	
H101412000	SEP - PC TRAIL STREAM RESTORATION-DESIGN	100%	SEP - PC TRAIL STREAM RESTORATION-DESIGN									
SHAWNEE FLOOD PUMP STATION												
H091369000	SHAWNEE FPS DWO ELIMINATION - FORCE ACCOUNT	0%									SHAWNEE FPS DWO ELIMINATION - FORCE ACCOUNT	
H091362000	SHAWNEE FPS DWO ELIMINATION - DESIGN	0%									SHAWNEE FPS DWO ELIMINATION - DESIGN	
SHIVELY INTERCEPTOR												
B062086000	SHIVELY INTERCEPTOR - CONSTRUCTION	0%									SHIVELY INTERCE	
B062084500	SHIVELY INTERCEPTOR - AWARD	0%									◆ SHIVELY INTERCEPTOR - AWARD	
B062084050	SHIVELY INTERCEPTOR - BID OPEN	0%									◆ SHIVELY INTERCEPTOR - BID OPEN	
B062084000	SHIVELY INTERCEPTOR - AD DATE	0%									◆ SHIVELY INTERCEPTOR - AD DATE	

█ Remaining Level of Effort
 █ Remaining Work
 █ Actual Work
 █ Critical Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011			
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4
B062083000	SHIVELY INTERCEPTOR - EASEMENT	80%		SHIVELY INTERCEPTOR - EASEMENT						
B062082916	SHIVELY-VAC, EXCAV, GROUNDWATER WELLS	100%		SHIVELY-VAC, EXCAV, GROUNDWATER WELLS						
B062082915	PERTH CLYDE 100% DESIGN SUBMITTAL	0%								PERTH CLYDE 100%
B062082914	PERTH CLYDE 80% DESIGN SUBMITTAL	0%					PERTH CLYDE 80% DESIGN SUBMITTAL			
B062082913	PERTH CLYDE 100% SURVEY	0%					PERTH CLYDE 100% SURVEY			
B062082912	PERTH CLYDE 50% DESIGN SUBMITTAL	100%			PERTH CLYDE 50% DESIGN SUBMITTAL					
B062082911	PERTH CLYDE PREL ENG PLANS/REPORT	100%	PERTH CLYDE PREL ENG PLANS/REPORT							
B062082910	PERTH CLYDE 50% SURVEY	100%	PERTH CLYDE 50% SURVEY							
B062082909	SHIVELY INT - FINAL DESIGN 100%	100%	SHIVELY INT - FINAL DESIGN 100%							
B062082000	SHIVELY INTERCEPTOR - DESIGN	100%	SHIVELY INTERCEPTOR - DESIGN							
SHIVELY PUMP STATION CHANNEL GRINDER REPLACEMENT PROJECT										
H101519000	SHIVELY PS CHANNEL GRINDER REPLACEMENT - FORCE ...	0%				SHIVELY PS CHANNEL GRINDER REPLACEMENT - FORCE ACCT				
H101512000	SHIVELY PS CHANNEL GRINDER REPLACEMENT - DESIGN	95%				SHIVELY PS CHANNEL GRINDER REPLACEMENT - DESIGN				
SINKING FORK INTERCEPTOR RELIEF SEWER										
H083579000	SINKING FORK INTERCEPTOR RELIEF SEWER - FACCT	100%	SINKING FORK INTERCEPTOR RELIEF SEWER - FACCT							
H083578050	SINKING FORK INTERCEPTOR RELIEF SEWER-CD CERTIFY	100%		SINKING FORK INTERCEPTOR RELIEF SEWER-CD CERTIFY						
H083576950	SINKING FORK INTERCEPTOR RELIEF SEWER - AS-BUILT	0%					SINKING FORK INTERCEPTOR RELIEF SEWER - AS-BUILT			
H083576900	SINKING FORK INTERCEPTOR RELIEF SEWER-SUBST COMP	100%		SINKING FORK INTERCEPTOR RELIEF SEWER-SUBST COMP						
SNEADS BRANCH ICA										
H094029000	SNEADS BRANCH ICA - FACCT	100%	SNEADS BRANCH ICA - FACCT							
H094021000	SNEADS BRANCH ICA - PLANNING	100%	SNEADS BRANCH ICA - PLANNING							
SONNE PUMP STATION I&I INVESTIGATION										
H091879000	SONNE PUMP STATION I&I INVESTIGATION - FORCE ACCO...	0%				SONNE PUMP STATION I&I INVESTIGATION - FORCE ACCOUNT				
H091876000	SONNE PUMP STATION I&I INVESTIGATION - CONSTRUCTI...	0%								SONNE PUMP STATION I&
H091874500	SONNE PUMP STATION I&I INVESTIGATION - AWARD	0%								SONNE PUMP STATION I&I INV
H091874050	SONNE PUMP STATION I&I INVESTIGATION - BID OPEN	0%								SONNE PUMP STATION I&I INVESTI
H091874000	SONNE PUMP STATION I&I INVESTIGATION- AD DATE	0%								SONNE PUMP STATION I&I INVESTIGAT
H091873000	SONNE PUMP STATION I&I INVESTIGATION - EASEMENT	0%					SONNE PUMP STATION I&I INVESTIGATION - EASEMENT			
H091872000	SONNE PUMP STATION I&I INVESTIGATION - DESIGN	0%				SONNE PUMP STATION I&I INVESTIGATION - DESIGN				
H091871220	SONNE PS I&I INVESTIGATION - SSES REPORT	0%				SONNE PS I&I INVESTIGATION - SSES REPORT				
H091871200	SONNE PUMP STATION I&I INVESTIGATION - SSES	0%				SONNE PUMP STATION I&I INVESTIGATION - SSES				
SORP FY10										
H093789000	SORP FY10 - FACCT	0%				SORP FY10 - FACCT				
H093781000	SORP FY10 - PLANNING	0%				SORP FY10 - PLANNING				
SORP FY11										
H093799000	SORP FY11 - FACCT	0%				SORP FY11 - FACCT				
H093791000	SORP FY11 - PLANNING	0%				SORP FY11 - PLANNING				
SOUTHEASTERN INTERCEPTOR RELIEF PHASE II										
H110229000	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - FACCT	0%				SOUTHEASTERN INTERCEPTOR RELIEF SEWER - FACCT				
H110226000	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - CONSTR	0%				SOUTHEASTERN INTERCEPTOR RELIEF SEWER - CONSTR				
H110223000	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - ESM'TS	0%				SOUTHEASTERN INTERCEPTOR RELIEF SEWER - ESM'TS				
H110222000	SOUTHEASTERN INTERCEPTOR RELIEF SEWER PHASE II...	0%				SOUTHEASTERN INTERCEPTOR RELIEF SEWER PHASE II- DESIGN				
SOUTHEASTERN INTERCEPTOR RELIEF SEWER PHASE 1										
H083588050	SOUTHEASTERN INTERCEPTOR RELIEF SEWER-CD CERT...	0%								SONNE PUMP STATION I&I INV
H083586000	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - CONSTR	0%								SOUTHEASTERN INTERCEPTOR RELIEF SE
H083584500	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - AWARD	0%								SONNE PUMP STATION I&I INV

█ Remaining Level of Effort
 █ Remaining Work
 █ Actual Work
 █ Critical Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011				
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	
H083584050	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - BID OPEN	0%								◆ SOUTHEASTERN INTERCEPTOR RELIEF SEWER - BID OPEN	
H083584000	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - AD DATE	0%								◆ SOUTHEASTERN INTERCEPTOR RELIEF SEWER - AD DATE	
H083583000	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - ESMTS	35%	SOUTHEASTERN INTERCEPTOR RELIEF SEWER - ESMTS								
H083582915	SEI RELIEF SEWER-BIDDING ASSISTANCE	0%								SEI RELIEF SEWER-BIDDING ASSISTANCE	
H083582914	SEI RELIEF SEWER-100% SEIRS PLANS/BID DOCS	0%								SEI RELIEF SEWER-100% SEIRS PLANS/BID DOCS	
H083582913	SEI RELIEF SEWER-90% SEIRS PLANS/BID DOCS/PERMITS	95%			SEI RELIEF SEWER-90% SEIRS PLANS/BID DOCS/PERMITS						
H083582912	SEI RELIEF SEWER-100% DIVERSION STRUCT PLANS/BID ...	100%						SEI RELIEF SEWER-100% DIVERSION STRUCT PLANS/BID DOCS			
H083582911	SEI RELIEF SEWER-60% SEIRS PLANS/FNL PLANS/BID DOCS	100%			SEI RELIEF SEWER-60% SEIRS PLANS/FNL PLANS/BID DOCS						
H083582910	SEI RELIEF SEWER-90% DIVERSION STRUCT PLANS/BID D...	100%			SEI RELIEF SEWER-90% DIVERSION STRUCT PLANS/BID DOCS						
H083582909	SEI RELIEF SEWER-60% DIVERSION STRUC PLANS/BID DO...	100%		SEI RELIEF SEWER-60% DIVERSION STRUC PLANS/BID DOCS							
H083582908	SEI RELIEF SEWER-SUBSURFACE INVEST. REPORT	100%		SEI RELIEF SEWER-SUBSURFACE INVEST. REPORT							
H083582907	SEI RELIEF SEWER-30% SEIRS PLANS/REPORTS	100%		SEI RELIEF SEWER-30% SEIRS PLANS/REPORTS							
H083582906	SEI RELIEF SEWER-30% DIVERSION STRUCTURE PLANS	100%		SEI RELIEF SEWER-30% DIVERSION STRUCTURE PLANS							
H083582905	SEI RELIEF SEWER-SURVEY & DRAFT PLATS	100%		SEI RELIEF SEWER-SURVEY & DRAFT PLATS							
H083582904	SEI RELIEF SEWER - 10% DESIGN	100%	SEI RELIEF SEWER - 10% DESIGN								
SSES FY11											
H093839000	SSES FY11 - FACCT	0%						SSES FY11 - FACCT			
H093831000	SSES FY11 - PLANNING	0%						SSES FY11 - PLANNING			
STARVIEW SSES											
H094039000	STARVIEW SSES - FACCT	0%					STARVIEW SSES - FACCT				
H094031220	STARVIEW SSES REPORT	60%					STARVIEW SSES REPORT				
H094031000	STARVIEW SSES - PLANNING	100%	STARVIEW SSES - PLANNING								
STORY AVENUE & MAIN STREET STORAGE BASIN											
H091279000	STORY AVE & MAIN ST STORAGE BASIN - FORCE ACCOUNT	0%						STORY AVE & MAIN ST STORAGE BASIN - FORCE ACCOUNT			
H091273000	STORY AVE & MAIN ST STORAGE BASIN - EASEMENT	0%								STORY AVE & MAIN ST STORAGE	
H091272000	STORY AVE & MAIN ST STORAGE BASIN- DESIGN	0%						STORY AVE & MAIN ST STORAGE BASIN- DESIGN			
UDRT SSES											
H094049000	UDRT SSES - FACCT	100%	UDRT SSES - FACCT								
H094041000	UDRT SSES - PLANNING	100%	UDRT SSES - PLANNING								
WEST REGION EMERGENCY GENERATOR PHASE III											
H100849000	WEST REGION EMERG GENERATORS PH3-FACCT	0%									
H100846000	WEST REGION EMERG GENERATORS PH3-CONST	95%		WEST REGION EMERG GENERATORS PH3-CONST							
H100844500	WEST REGION EMERG GENERATORS PH3 - AWARD	100%		WEST REGION EMERG GENERATORS PH3 - AWARD							
H100844050	WEST REGION EMERG GENERATORS PH3 - BID OPEN	100%		WEST REGION EMERG GENERATORS PH3 - BID OPEN							
H100844000	WEST REGION EMERG GENERATORS PH3 - AD DATE	100%		WEST REGION EMERG GENERATORS PH3 - AD DATE							
WOODLAND HILLS PUMP STATION DIVERSION											
H091699000	WOODLAND HILLS PUMP STATION DIVERSION - FORCE A...	100%					WOODLAND HILLS PUMP STATION DIVERSION - FORCE ACCOUNT				
H091698050	WOODLAND HILLS PUMP STATION DIVERSION - CD CERTI...	100%								◆ WOODLAND HILLS PUMP STATION DIVERSION - CD CERTIFICATION	
H091696900	WOODLAND HILLS PUMP STATION DIVERSION - SUBSTAN...	100%								◆ WOODLAND HILLS PUMP STATION DIVERSION - SUBSTANTIALLY COMPLETE	
H091696000	WOODLAND HILLS PUMP STATION DIVERSION - CONSTRU...	100%					WOODLAND HILLS PUMP STATION DIVERSION - CONSTRUCTION				
H091694500	WOODLAND HILLS PUMP STATION DIVERSION - AWARD	100%								◆ WOODLAND HILLS PUMP STATION DIVERSION - AWARD	
H091694050	WOODLAND HILLS PUMP STATION DIVERSION - BID OPEN	100%								◆ WOODLAND HILLS PUMP STATION DIVERSION - BID OPEN	
H091694000	WOODLAND HILLS PUMP STATION DIVERSION - AD DATE	100%								◆ WOODLAND HILLS PUMP STATION DIVERSION - AD DATE	
H091693000	WOODLAND HILLS PUMP STATION DIVERSION - EASEMENT	100%								WOODLAND HILLS PUMP STATION DIVERSION - EASEMENT	
H091692000	WOODLAND HILLS PUMP STATION DIVERSION - DESIGN	100%		WOODLAND HILLS PUMP STATION DIVERSION - DESIGN							
WYANDOTTE/WARREN AVE ALLEY DIP											

█ Remaining Level of Effort
 █ Remaining Work
 █ Actual Work
 █ Critical Remaining Work
 ◆ Milestone

Activity ID	Activity Name	Physical % Complete	FY2010				FY2011				
			FQ1	FQ2	FQ3	FQ4	FQ1	FQ2	FQ3	FQ4	
C101849000	WYANDOTTE/WARREN ALLEY - FORCE ACCT	0%									
C101848050	WYANDOTTE/WARREN ALLEY - CD CERTIFY	0%									
C101846000	WYANDOTTE/WARREN ALLEY - CONSTRUCTION	0%									

█ Remaining Level of Effort
 █ Remaining Work
 ▶ Milestone
█ Actual Work
 █ Critical Remaining Work



APPENDIX B-1 - DISCHARGE WORK ORDERS-WATERS OF THE UNITED STATES



APPENDIX B-1
UNAUTHORIZED DISCHARGES
TO WATERS OF UNITED STATES
JULY 1, 2009 THROUGH JUNE 30, 2010

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	07/22/09 4:58: PM	07/22/09 05:01 PM	402 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	RAIN EVENT IN AREA, HIGH FLOW	BLENDING AT JTOWN WQTC	932248	PIPE SUBMERGED,BLEND, NO CLEANUP NECESSARY	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
MORRIS FORMAN	KY0022411	816 N 34TH ST	07/27/09 2:45: PM	07/27/09 04:05 PM	1,200,000 GAL	Sewer Manhole	CSO019	STREAM	OHIO RIVER	MECHANICAL FAILURE OF PUMPS. THERE ARE THREE 75HP PUMPS. TWO PUMPS FAILED RECENTLY AND ARE OFF-SITE BEING REPAIRED. THE REMAINING PUMP FAILED.	MECHANICAL FAILURE	933317	NO CLEAN UP PERFORMED - PIPES DISCHARGE UNDERWATER, DIRECTLY TO RIVER	ONE PUMP PLACED BACK IN SERVICE AT 4:00PM 7/27/09, SECOND, BACKUP PUMP PLACED IN SERVICE AT 6:00PM 7/27/09
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	07/29/09 5:55: AM	07/30/09 09:13 AM	1,350,710 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935656	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED IN DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1726 FRASER DR	07/29/09 6:35: AM	07/29/09 01:30 PM	35,700 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935779	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3317 BROWNSBORO RD	07/29/09 6:45: AM	07/30/09 01:40 PM	260,000 GAL	Sewer Manhole	26752	DITCH	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	936225	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1418 TREVILIAN WAY	07/29/09 6:50: AM	07/29/09 10:00 AM	27,000 GAL	Sewer Manhole	51594	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935823	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4119 LEE AVE	07/29/09 7:12: AM	07/29/09 01:35 PM	75,000 GAL	Sewer Manhole	104231	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935829	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1635 BELMAR DR	07/29/09 7:26: AM	07/29/09 09:30 AM	15,000 GAL	Sewer Manhole	44396	GROUND	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN	LACK OF SYSTEM CAPACITY	935754	CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS IN THE SANITARY DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	07/29/09 7:27: AM	07/30/09 09:26 AM	1,829,875 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935657	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS IN THE ITERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3001 DERINGTON CT	07/29/09 7:30: AM	07/29/09 09:45 AM	2,625 GAL	Sewer Manhole	20155	STREAM	GOOSE CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	935721	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	3530 FINCASTLE RD	07/29/09 7:35: AM	07/29/09 09:50 AM	1,800 GAL	Sewer Manhole	36763	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935744	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS INCLUDED IN THE SANITARY SERWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3536 FINCASTLE RD	07/29/09 7:36: AM	07/29/09 09:51 AM	1,800 GAL	Sewer Manhole	99259	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935750	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	SITE FOUND DURING RAIN EVENT RECON-WILL BE MONITORED AND EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	3246 RADIANCE RD	07/29/09 7:40: AM	07/29/09 11:55 AM	97,500 GAL	Sewer Lift Station	MSD0012-PS	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	PUMPED OVERFLOW	935716	NO DEBRIS- PIPE DISCHARGE SUBMERGED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3450 GLENVIEW AVE	07/29/09 7:45: AM	07/29/09 10:30 AM	250 GAL	Sewer Lift Station	MSD0183-PS	DITCH	OHIO RIVER	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	935725	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	07/29/09 7:53: AM	07/29/09 02:25 PM	548,114 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT	BLENDING AT JTOWN WQTC	935691	NO CLEAN UP REQUIRED	NEGOTIATIONS ARE UNDERWAY TO ALLOW BLENDING AT THIS LOCATION
DEREK R. GUTHRIE	KY0078956	9317 LANTANA DR	07/29/09 8:00: AM	07/29/09 11:00 AM	10,125 GAL	Sewer Lift Station	MSD0101-PS	DITCH	PENNSYLVANIA RUN	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936240	NO DEBRIS OBSERVED	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR AND EVALUATE FOR REPAIR HAUL WO#936781
MORRIS FORMAN	KY0022411	2105 INDIAN HILLS TRL	07/29/09 8:00: AM	07/29/09 08:00 PM	216,000 GAL	Sewer Manhole	40872	GROUND	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	935714	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR AND EVALUATE FOR REPAIRS
MORRIS FORMAN	KY0022411	806 PINE WAY	07/29/09 8:02: AM	07/29/09 08:07 AM	250 GAL	Sewer Lift Station	MSD0057-LS	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	935726	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR

APPENDIX B-1
UNAUTHORIZED DISCHARGES
TO WATERS OF UNITED STATES
JULY 1, 2009 THROUGH JUNE 30, 2010

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
DEREK R. GUTHRIE	KY0078956	6023 COOPER CHAPEL RD	07/29/09 8:15: AM	07/29/09 10:00 AM	5,250 GAL	Sewer Service Line	160264	GROUND	FISHPOOL CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936228	MSD CLEANED & SANITIZED THE AREA	HAULED WO#936779
HUNTING CREEK SOUTH	KY0029114	6210 DEEP CREEK CT	07/29/09 8:15: AM	07/29/09 09:00 AM	450 GAL	Sewer Lift Station	MSD1063-PS	DITCH	HARRODS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	935766	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIRS
DEREK R. GUTHRIE	KY0078956	9114 CINDERELLA LN	07/29/09 8:30: AM	07/29/09 12:50 PM	6,500 GAL	Sewer Lift Station	MSD1013-PS	DITCH	FISHPOOL CREEK	#1 PUMP TRIPPED OUT	ELECTRICAL PROBLEMS AT MSD	936223	MSD CLEANED & SANITIZED THE AREA	HAULED TO PREVENT FURTHER OVERFLOW; CONTRACTOR REPAIRING PUMP
MORRIS FORMAN	KY0022411	3733 CANOE LN	07/29/09 8:30: AM	07/29/09 10:20 AM	6,000 GAL	Sewer Manhole	24152-W	STREAM	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	935808	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	804 N ARBOR DR	07/29/09 8:37: AM	07/29/09 09:20 AM	1,075 GAL	Sewer Manhole	00056-W	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	935736	NO DEBRIS	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	501 MOCKINGBIRD VALLEY RD	07/29/09 8:40: AM	07/30/09 12:20 AM	999,999,999 GAL	Sewer Lift Station	MSD0023-PS	STREAM	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	935814	NO DEBRIS	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN
DEREK R. GUTHRIE	KY0078956	7420 VAUGHN MILL RD	07/29/09 8:50: AM	07/29/09 09:17 AM	675 GAL	Sewer Manhole	94541	DITCH	PENNSYLVANIA RUN	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	935741	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
DEREK R. GUTHRIE	KY0078956	7201 OUTER LOOP	07/29/09 8:50: AM	07/29/09 09:17 AM	675 GAL	Sewer Manhole	94542	DITCH	PENNSYLVANIA RUN	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	935747	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
DEREK R. GUTHRIE	KY0078956	7201 OUTER LOOP	07/29/09 8:50: AM	07/29/09 09:17 AM	675 GAL	Sewer Lift Station	MSD0180-PS	DITCH	PENNSYLVANIA RUN	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	935739	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	7900 SHELBYVILLE RD	07/29/09 9:05: AM	07/29/09 02:00 PM	110,000 GAL	Sewer Manhole	02933	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935843	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4108 LEE AVE	07/29/09 9:12: AM	07/29/09 01:30 PM	258 GAL	Sewer Service Line	KK14815019	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	936113	CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	SITE FOUND DURING RAIN EVENT RECON-WILL BE MONITORED AND EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	8021 CHRISTIAN CT	07/29/09 9:20: AM	07/29/09 02:10 PM	34,000 GAL	Sewer Manhole	90700	CATCH BASIN	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935847	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	7404 ARROWWOOD RD	07/29/09 9:25: AM	07/29/09 09:35 AM	250 GAL	Sewer Manhole	21628-W	DITCH	GOOSE CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	935821	MSD CLEANED & SANITIZED THE AREA ALSO RAKED & SPREAD LIME	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR.
MORRIS FORMAN	KY0022411	4432 CORDOVA RD	07/29/09 9:30: AM	07/29/09 04:20 PM	436,700 GAL	Sewer Manhole	21061	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	935929	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	8021 CHRISTIAN CT	07/29/09 9:35: AM	07/29/09 02:30 PM	240,000 GAL	Sewer Manhole	47593	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935854	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	100 STONEHENGE DR	07/29/09 9:36: AM	07/29/09 04:15 PM	652,800 GAL	Sewer Manhole	21156	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	935918	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	8016 SHELBYVILLE RD	07/29/09 9:45: AM	07/29/09 02:30 PM	34,000 GAL	Sewer Manhole	47604	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935861	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4302 SHELBYVILLE RD	07/29/09 9:50: AM	07/29/09 07:23 PM	761,500 GAL	Sewer Manhole	21101	DITCH	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	935928	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
JEFFERSONTOWN	KY0025194	4710 CHENOWETH RUN RD	07/29/09 9:53: AM	07/29/09 02:05 PM	37,500 GAL	Sewer Manhole	64096	STREAM	CHENOWETH RUN	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	935802	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIRS
DEREK R. GUTHRIE	KY0078956	5006 LEA ANN WAY	07/29/09 10:00: AM	07/29/09 11:00 AM	30,000 GAL	Sewer Lift Station	MSD1010-PS	STREAM	NORTHERN DITCH	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936016	MSD CLEANED & SANITIZED THE AREA	WILL MONITOR & EVALUATE SITE FOR REPAIR
MORRIS FORMAN	KY0022411	4522 CORDOVA RD	07/29/09 10:02: AM	07/29/09 02:04 PM	428,200 GAL	Sewer Manhole	21153	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	935926	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3035 CARSON WAY	07/29/09 10:20: AM	07/29/09 12:20 PM	173,500 GAL	Sewer Manhole	17571	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	935925	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3107 DELL BROOKE AVE	07/29/09 10:20: AM	07/29/09 11:45 AM	93,800 GAL	Sewer Manhole	18471	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	935904	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3015 BOAIRES LN	07/29/09 10:28: AM	07/29/09 11:35 AM	69,600 GAL	Sewer Manhole	18483	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	935930	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	207 BRUNSWICK RD	07/29/09 10:30: AM	07/29/09 02:17 PM	401,600 GAL	Sewer Manhole	21089	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	935931	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
HITE CREEK	KY0022420	7302 FLOYDSBURG RD	07/29/09 10:45: AM	07/29/09 01:20 PM	7,750 GAL	Sewer Manhole	108958	CATCH BASIN	FLOYDS FORK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936080	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	1012 ALTA CIR	07/29/09 11:15: AM	07/29/09 03:00 PM	240,000 GAL	Sewer Manhole	27005	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	935997	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP AT THIS LOCATION	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1132 ROSTREVOR CIR	07/29/09 11:20: AM	07/29/09 03:10 PM	240,000 GAL	Sewer Manhole	45835	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	936000	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4640 BARBOUR LN	07/29/09 1:10: PM	07/29/09 04:35 PM	10,250 GAL	Sewer Manhole	65633	STREAM	LITTLE GOOSE CREEK	RAIN EVENT CAUSED DISCHARGE	LACK OF SYSTEM CAPACITY	936045	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	341 MAC BRAE RD	07/29/09 1:30: PM	07/29/09 01:30 PM	50 GAL	Sewer Lift Station	MSD0015-PS	GROUND	POND CREEK	THREE PUMPS CYCLED AT THE SAME TIME	ELECTRICAL PROBLEMS AT MSD	936233	NO DEBRIS	PUMP BEING REPAIRED
DEREK R. GUTHRIE	KY0078956	6615 MOORMAN RD	07/29/09 3:33: PM	07/30/09 10:00 AM	320,000 GAL	Sewer Manhole	22370	GROUND	MILL CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	936222	A CLEAN-UP WORK ORDER WILL BE CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3450 GLENVIEW AVE	07/30/09 11:25: AM	07/30/09 11:50 AM	250 GAL	Sewer Lift Station	MSD0183-PS	DITCH	OHIO RIVER	LGE POWER FALIURE	POWER OUTAGE (LG&E)	936529	MSD CLEANED AND SANITIZED AREA	MSD HAULED FROM STATION UNTIL POWER RESTORED
MORRIS FORMAN	KY0022411	1800 NIGHTINGALE RD	07/30/09 1:48: PM	07/30/09 10:03 PM	342,000 GAL	Sewer Manhole	CSO018	STREAM	SOUTH FORK BEARGRASS CREEK	LG&E TRANSFORMER AT NIGHTINGALE PUMP STATION FAILED	POWER OUTAGE (LG&E)	936580	NO CLEAN UP REQUIRED DUE TO ELEVATED CREEK LEVEL.	LG&E REPLACED THE TRANSFORMERS
MORRIS FORMAN	KY0022411	1800 NIGHTINGALE RD	07/30/09 6:15: PM	07/30/09 07:30 PM	2,000 GAL	Sewer Manhole	28176B	GROUND	SOUTH FORK BEARGRASS CREEK	SURCHARGE OF A GRAVITY INFLUENT LINE DURING RETURN TO NORMAL OPERATION AFTER POWER FAILURE	LACK OF SYSTEM CAPACITY	936735	MSD CONTRACTOR CLEANED AND SANITIZED AREA	MONITOR STATION FOR FUTURE SURCHARGES DURING RAIN EVENTS
HUNTING CREEK SOUTH	KY0029114	6210 DEEP CREEK CT	07/30/09 11:45: PM	07/31/09 02:30 PM	61,875 GAL	Sewer Lift Station	MSD1063-PS	DITCH	HARRODS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936753	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
HITE CREEK	KY0022420	7510 MEADOW STREAM CT	07/31/09 12:00: AM	07/31/09 12:15 PM	52,500 GAL	Sewer Manhole	91087	STREAM	SOUTH FORK HARRODS CREEK	POWER FAILURE AT MEADOWSTREAM PS	POWER OUTAGE (LG&E)	936759	MSD CLEANED & SANITIZED THE AREA	POWER RETORED TO PUMP STATION

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	2105 INDIAN HILLS TRL	07/31/09 1:00: AM	07/31/09 01:30 AM	225,000 GAL	Sewer Manhole	40872	GROUND	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936751	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	501 MOCKINGBIRD VALLEY RD	07/31/09 9:30: AM	07/31/09 11:45 AM	16,500 GAL	Sewer Lift Station	MSD0023-PS	STREAM	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	937198	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	7404 ARROWWOOD RD	07/31/09 9:50: AM	07/31/09 11:00 AM	3,500 GAL	Sewer Manhole	21628-W	DITCH	GOOSE CREEK	PUMP FAIL DUE TO COUPLING COMING OFF	MECHANICAL FAILURE	937196	MSD CLEANED & SANITIZED THE AREA	MAINTENACE PERSONNEL REPAIRED THE COUPLING
MORRIS FORMAN	KY0022411	501 MOCKINGBIRD VALLEY RD	08/04/09 12:00: AM	08/06/09 01:00 AM	9,999 GAL	Sewer Lift Station	MSD0023-PS	STREAM	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY DUE TO AREA FLOODING - STATION SUBMERGED	LACK OF SYSTEM CAPACITY	938672	MSD CLEANED & SANITIZED THE AREA	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	1418 TREVILIAN WAY	08/04/09 2:28: AM	08/04/09 09:51 PM	42,000 GAL	Sewer Manhole	51594	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938492	DISCLN WORK ORDER #941800	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	6707 W ORELL RD	08/04/09 8:20: AM	08/05/09 05:00 AM	27,000 GAL	Sewer Manhole	32682	STREAM	ALVEY DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938662	DISCLN WORK ORDER #940869 CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS ON A TELEMETRY ALARM SYSTEM AND IE VERY CLOSELY MONITORED
MORRIS FORMAN	KY0022411	334 MOCKINGBIRD VALLEY RD	08/04/09 8:30: AM	08/05/09 12:30 PM	9,999 GAL	Sewer Lift Station	MSD0007-PS	DITCH	MUDDY FORK BEARGRASS CREEK	STATION FLOODED DUE TO STORM IN THE AREA	LACK OF SYSTEM CAPACITY	938673	NO DEBRIS DUE TO STATION FLOODING	SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
DEREK R. GUTHRIE	KY0078956	3434 FERN LEA RD	08/04/09 9:00: AM	08/05/09 05:30 PM	9,999 GAL	Sewer Manhole	04542	DITCH	HEATHERFIELD DITCH	LACK OF SYSTEM CAPACITY- AREA FLOODED	LACK OF SYSTEM CAPACITY	938278	MSD CLEANED & SANITIZED THE AREA	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
DEREK R. GUTHRIE	KY0078956	2601 PIONEER RD	08/04/09 9:00: AM	08/05/09 03:00 PM	9,999 GAL	Sewer Manhole	81814-W	DITCH	MILL CREEK	THE STATION AND THE AREA AROUND IT FLOODED DUE TO HEAVY RAIN	LACK OF SYSTEM CAPACITY	938273	NO DEBRIS- AREA FLOODED	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	08/04/09 9:29: AM	08/06/09 09:15 AM	7,278,984 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938414	NO CLEAN-UP NEEDED. REMOTE LOCATION ON MSD PROPERTY	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	4302 SHELBYVILLE RD	08/04/09 9:35: AM	08/06/09 01:09 PM	5,319,800 GAL	Sewer Manhole	21101	DITCH	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	937882	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3246 RADIANCE RD	08/04/09 9:38: AM	08/06/09 06:05 AM	3,931,200 GAL	Sewer Lift Station	MSD0012-PS	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SEWER CAPACITY	PUMPED OVERFLOW	939740	NO DEBRIS OBSERVED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN.
MORRIS FORMAN	KY0022411	3035 CARSON WAY	08/04/09 9:40: AM	08/05/09 10:21 AM	1,847,100 GAL	Sewer Manhole	17571	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	937949	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	342 MAC BRAE RD	08/04/09 9:45: AM	08/04/09 08:00 PM	153,750 GAL	Sewer Manhole	09960	GROUND	NORTHERN DITCH	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938286	AREA HAS BEEN RAKED & SANITIZED	A SOLUTION FOR THIS LOCATION IS IN THE INTEGRATED OVERFLOW ABATEMENT PLAN
MORRIS FORMAN	KY0022411	339 MAC BRAE RD	08/04/09 9:45: AM	08/04/09 08:00 PM	153,750 GAL	Sewer Manhole	09960B	GROUND	NORTHERN DITCH	SURCHARGED SEWER LINE CAUSED BACKUP FROM MANHOLE.	LACK OF SYSTEM CAPACITY	938256	AREA HAS BEEN RAKED & SANITIZED	A SOLUTION FOR THIS LOCATION IS IN THE INTEGRATED OVERFLOW ABATEMENT PLAN
MORRIS FORMAN	KY0022411	3001 DERINGTON CT	08/04/09 9:50: AM	08/05/09 01:30 AM	5,500 GAL	Sewer Manhole	20155	STREAM	GOOSE CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	937917	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIRS.
DEREK R. GUTHRIE	KY0078956	1714 LAMKINS CT	08/04/09 10:00: AM	08/05/09 03:30 AM	9,999 GAL	Sewer Manhole	04699-W	GROUND	MILL CREEK	LACK OF SYSTEM CAPACITY DUE TO FLOODING	LACK OF SYSTEM CAPACITY	938646	DISCHARGE PIPE SUBMERGED - NO CLEAN UP DUE TO FLOODING	THIS SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
MORRIS FORMAN	KY0022411	4522 CORDOVA RD	08/04/09 10:00: AM	08/05/09 09:05 PM	2,974,300 GAL	Sewer Manhole	21153	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	937906	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	2105 INDIAN HILLS TRL	08/04/09 10:00: AM	08/04/09 05:00 PM	9,999 GAL	Sewer Manhole	40872	GROUND	MUDDY FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	938232	MSD PERSONEL CLEANED AND SANITIZED THE AREA	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	7404 ARROWWOOD RD	08/04/09 10:01: AM	08/05/09 02:00 AM	25,000 GAL	Sewer Manhole	21628-W	DITCH	GOOSE CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	937911	MSD CLEANED & SANITIZED THE AREA	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	08/04/09 10:08: AM	08/05/09 09:06 PM	6,943,977 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938432	NO CLEAN-UP NECESSARY	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	3951 CANE RUN RD	08/04/09 10:10: AM	08/04/09 01:00 PM	100 GAL	Sewer Lift Station	MSD0044-PS	GROUND	LYNNVIEW DITCH	ELECTRICAL SHORT IN CONTROL PANEL DUE TO FLOODING	ELECTRICAL PROBLEMS AT MSD	938647	NO DEBRIS	GENERATOR PLACED & CONTROLS REPAIRED
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	08/04/09 10:12: AM	08/05/09 02:24 AM	1,932,553 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY DUE TO RAIN	BLENDING AT JTOWN WQTC	937958	NO CLEANUP REQUIRED, EFFLUENT RECEIVED PRIMARY AND UV TREATMENT	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
MORRIS FORMAN	KY0022411	3015 BOAIRES LN	08/04/09 10:13: AM	08/05/09 02:28 AM	1,869,500 GAL	Sewer Manhole	18483	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	937951	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	4119 LEE AVE	08/04/09 10:21: AM	08/05/09 06:15 AM	351,360 GAL	Sewer Manhole	104231	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938196	DISCLN WORK ORDER #941753	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2009
MORRIS FORMAN	KY0022411	4119 LEE AVE	08/04/09 10:22: AM	08/04/09 10:03 PM	4,320 GAL	Sewer Manhole	13943	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938335	CLEAN-UP NOT REQUIRED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	207 BRUNSWICK RD	08/04/09 10:22: AM	08/05/09 06:45 AM	1,629,100 GAL	Sewer Manhole	21089	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	937955	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	100 STONEHENGE DR	08/04/09 10:25: AM	08/05/09 08:45 PM	3,630,400 GAL	Sewer Manhole	21156	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	937942	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3728 CANOE LN	08/04/09 10:26: AM	08/05/09 01:00 AM	15,400 GAL	Sewer Manhole	16435	GROUND	MUDDY FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	937988	MSD CLEANED & SANITIZED THE AREA	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
MORRIS FORMAN	KY0022411	3733 CANOE LN	08/04/09 10:26: AM	08/05/09 01:00 AM	15,400 GAL	Sewer Manhole	24152-W	STREAM	MUDDY FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	937997	MSD CLEANED & SANITIZED THE AREA	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
MORRIS FORMAN	KY0022411	1562 MCKAY AVE	08/04/09 10:27: AM	08/04/09 04:59 PM	77,760 GAL	Sewer Manhole	13931	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938343	DISCLN WORK ORDER #941794	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4200 LEE AVE	08/04/09 10:27: AM	08/04/09 05:39 PM	144,000 GAL	Sewer Manhole	51301	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938748	DISCLN WORK ORDER #941616	THIS LOCATION WAS NOTICED DURING CURRENT RAIN EVENT AND WILL BE MONITORED FOR REPAIR
MORRIS FORMAN	KY0022411	341 MAC BRAE RD	08/04/09 10:30: AM	08/04/09 08:00 PM	228,000 GAL	Sewer Lift Station	MSD0015-PS	GROUND	POND CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938285	AREA RAKED & SANITIZED	A SOLUTION FOR THIS LOCATION IS IN THE INTEGRATED OVERFLOW ABATEMENT PLAN
MORRIS FORMAN	KY0022411	4108 LEE AVE	08/04/09 10:32: AM	08/04/09 10:01 PM	1,200 GAL	Sewer Service Line	KK14815019	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938784	DISCLN WORK ORDER #941882	SITE (CLEAN-OUT) FOUND DURING RAIN EVENT RECON- WILL BE MONITORED AND EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	3317 BROWNSBORO RD	08/04/09 10:33: AM	08/06/09 09:38 AM	340,000 GAL	Sewer Manhole	26752	DITCH	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938168	DISCLN WORK ORDER #941838	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1635 BELMAR DR	08/04/09 10:35: AM	08/04/09 06:10 PM	144,000 GAL	Sewer Manhole	44396	GROUND	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938195	DISCLN WORK ORDER #941742	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	4432 CORDOVA RD	08/04/09 10:40: AM	08/05/09 11:45 PM	2,641,000 GAL	Sewer Manhole	21061	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	937940	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3726 FINCASTLE RD	08/04/09 10:43: AM	08/04/09 06:21 PM	144,000 GAL	Sewer Manhole	08717	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938777	DISCLN WORK ORDER #941596	SITE FOUND DURING RAIN EVENT RECON-WILL BE MONITORED AND EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	3726 FINCASTLE RD	08/04/09 10:44: AM	08/04/09 06:20 PM	77,760 GAL	Sewer Manhole	66349	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938775	DISCLN WORK ORDER #941603	SITE FOUND DURING RAIN EVENT RECON-WILL BE MONITORED AND EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	1701 SONNE AVE	08/04/09 10:46: AM	08/04/09 09:00 PM	20,220 GAL	Sewer Lift Station	MSD0042-PS	GROUND	PADDY RUN	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938279	MSD CLEANED & SANITIZED THE AREA	A SOLUTION FOR THIS LOCATION IS IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
MORRIS FORMAN	KY0022411	2515 WOODSIDE RD	08/04/09 10:48: AM	08/04/09 01:50 PM	18,000 GAL	Sewer Manhole	91782	GROUND	LONGVIEW CREEK	LACK OF SYSTEM CAPACITY DUE TO HEAVY RAIN	LACK OF SYSTEM CAPACITY	938062	NO CLEAN UP REQUIRED, NO SOLIDS OR DEBRIS OBSERVED	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
MORRIS FORMAN	KY0022411	2607 PHOENIX HILL DR	08/04/09 10:48: AM	08/04/09 01:50 PM	4,500 GAL	Sewer Manhole	91783	GROUND	LONGVIEW CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	938051	NO CLEAN UP REQUIRED, NO SOLIDS AND FLOATABLES OBSERVED.	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	3696 FINCASTLE RD	08/04/09 10:59: AM	08/04/09 06:30 PM	4,320 GAL	Sewer Manhole	99277	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938781	DISCLN WORK ORDER #941569	SITE FOUND DURING RAIN EVENT RECON-WILL BE MONITORED AND EVALUATED FOR REPAIR
DEREK R. GUTHRIE	KY0078956	9114 CINDERELLA LN	08/04/09 11:00: AM	08/05/09 01:00 AM	9,999 GAL	Sewer Lift Station	MSD1013-PS	DITCH	FISHPOOL CREEK	LACK OF SYSTEM CAPACITY DUE TO AREA FLOODING	LACK OF SYSTEM CAPACITY	940818	MSD CLEANED & SANITIZED THE AREA	HAULING- WO#938692
MORRIS FORMAN	KY0022411	3101 WEDGEWOOD WAY	08/04/09 11:00: AM	08/05/09 02:30 PM	2,093,300 GAL	Sewer Manhole	18595	DITCH	WEDGEWOOD DITCH	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	937975	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3530 FINCASTLE RD	08/04/09 11:07: AM	08/04/09 06:37 PM	77,760 GAL	Sewer Manhole	36763	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938190	DISCLN WORK ORDER #941739	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3536 FINCASTLE RD	08/04/09 11:08: AM	08/04/09 06:40 PM	144,000 GAL	Sewer Manhole	99259	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938175	DISCLN WORK ORDER #941722	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3540 RAMONA AVE	08/04/09 11:16: AM	08/04/09 08:26 PM	644,600 GAL	Sewer Manhole	18505	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	937974	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3703 ALCONA LN	08/04/09 11:23: AM	08/04/09 08:37 PM	110,000 GAL	Sewer Manhole	25676	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938158	DISCLN WORK ORDER #941821	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4315 PRUITT CT	08/04/09 11:25: AM	08/04/09 09:30 PM	110,000 GAL	Sewer Manhole	08426	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938518	DISCLN WORK ORDER #941840	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3107 DELL BROOKE AVE	08/04/09 11:25: AM	08/05/09 03:10 PM	2,477,400 GAL	Sewer Manhole	18471	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	937945	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	4341 PRUITT CT	08/04/09 11:30: AM	08/04/09 07:40 PM	81,000 GAL	Sewer Manhole	08430	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938377	NO CLEAN-UP REQUIRED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	7713 WESTPORT RD	08/04/09 11:30: AM	08/04/09 05:35 PM	1,800 GAL	Sewer Manhole	105936	GROUND	GOOSE CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	938222	MSD CLEANED & SANITIZED THE AREA	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	7800 WESTPORT RD	08/04/09 11:30: AM	08/05/09 02:20 AM	6,900 GAL	Sewer Manhole	105938	DITCH	GOOSE CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	938220	MSD CLEANED & SANITIZED THE AREA	THIS SITE WAS FOUND DURING RAIN EVENT RECON-WILL BE MONITORED & EVALUATED FOR REPAIR

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	3715 BRIARBRIDGE LN	08/04/09 11:30: AM	08/04/09 02:28 PM	54,000 GAL	Sewer Manhole	26650	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938550	NO CLEAN-UP REQUIRED	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	804 N ARBOR DR	08/04/09 11:45: AM	08/04/09 12:45 PM	600 GAL	Sewer Manhole	00056-W	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	938189	MSD CLEANED & SANITIZED THE AREA	HAULING #938194
MORRIS FORMAN	KY0022411	901 FALGATE CT	08/04/09 11:45: AM	08/05/09 11:16 PM	2,425,900 GAL	Sewer Manhole	21506	CATCH BASIN	MUDDY FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	937980	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	1726 FRASER DR	08/04/09 11:50: AM	08/06/09 01:45 PM	568,181 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938387	DISCLN WORK ORDER #941108	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	3712 ROSA TER	08/04/09 12:00: PM	08/04/09 07:30 PM	9,999 GAL	Sewer Manhole	06915-W	GROUND	UPPER MILL CREEK	LACK OF SYSTEM CAPACITY- STATION FLOODED.	LACK OF SYSTEM CAPACITY	938638	NO DEBRIS- STATION UNDER WATER	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
DEREK R. GUTHRIE	KY0078956	6023 COOPER CHAPEL RD	08/04/09 12:00: PM	08/05/09 03:00 AM	27,000 GAL	Sewer Service Line	160264	GROUND	FISHPOOL CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940821	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR.
DEREK R. GUTHRIE	KY0078956	5006 LEA ANN WAY	08/04/09 12:00: PM	08/05/09 01:00 AM	468,000 GAL	Sewer Lift Station	MSD1010-PS	STREAM	NORTHERN DITCH	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938595	MSD CLEANED & SANITIZED THE AREA	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR.
MORRIS FORMAN	KY0022411	4317 PRUITT CT	08/04/09 12:00: PM	08/04/09 07:50 PM	2,400 GAL	Sewer Service Line	85075	GROUND	BUECHEL BRANCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	939048	NO CLEAN-UP REQUIRED	LOCATION DISCORVERED DURING RAIN EVENT RECON- WILL BE MONITORED AND EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	4319 PRUITT CT	08/04/09 12:00: PM	08/04/09 07:52 PM	2,100 GAL	Sewer Service Line	85076	GROUND	BUECHEL BRANCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	939042	DISCLN WORK ORDER #941550	LOCATION DISCOVERED DUREING RAIN EVENT RECON- WILL BE MONITORED AND EVALUATED FOR REPAIR
HUNTING CREEK SOUTH	KY0029114	6210 DEEP CREEK CT	08/04/09 12:00: PM	08/04/09 01:15 PM	5,625 GAL	Sewer Lift Station	MSD1063-PS	DITCH	HARRODS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938494	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR.
MORRIS FORMAN	KY0022411	4307 PRUITT CT	08/04/09 12:05: PM	08/04/09 07:45 PM	2,400 GAL	Sewer Service Line	85065	GROUND	BUECHEL BRANCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	939115	NO CLEAN-UP REQUIRED	LOCATION DISCOVERED DURING RAIN EVENT RECON- WILL BE MONITORED AND EVALUATED FOR REPAIR
DEREK R. GUTHRIE	KY0078956	423 ECHAPPE LN	08/04/09 12:06: PM	08/05/09 12:45 AM	61,500 GAL	Sewer Lift Station	MSD0140-PS	DITCH	BEE LICK CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938282	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR.
MORRIS FORMAN	KY0022411	3305 INDIAN CREEK CT	08/04/09 12:07: PM	08/05/09 06:02 AM	351,360 GAL	Sewer Manhole	51160	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938466	DISCLN WORK ORDER #941627	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3417 BENNETT LN	08/04/09 12:12: PM	08/05/09 07:30 AM	28,950,000 GAL	Sewer Manhole	08537	STREAM	GREASY DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938712	NO CLEAN UP REQUIRED AT THIS LOCATION DUE TO MAGNITUDE OF STORM	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4341 PRUITT CT	08/04/09 12:26: PM	08/04/09 09:34 PM	72,000 GAL	Sewer Manhole	08430	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938526	NO CLEAN-UP REQUIRED	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4344 PRUITT CT	08/04/09 12:30: PM	08/04/09 08:00 PM	11,250 GAL	Sewer Service Line	085100050045 A	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941098	NO CLEAN UP REQUIRED AT THIS LOCATION DUE TO THE MAGNITUDE OF STORM	THIS LOCATION WILL BE MONITORED FOR FUTURE OVERFLOWS
MORRIS FORMAN	KY0022411	4332 PRUITT CT	08/04/09 12:30: PM	08/04/09 08:00 PM	11,250 GAL	Sewer Service Line	085100290046 A	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY DUE TO HEAVY RAIN	LACK OF SYSTEM CAPACITY	941110	NO CLEAN UP REQUIRED AT THIS LOCATION DUE TO MAGNITUDE OF STORM	A REPAIR WORK ORDER WILL BE CREATED FOR THIS LOCATION
MORRIS FORMAN	KY0022411	3343 BROWNSBORO RD	08/04/09 12:30: PM	08/04/09 03:00 PM	3,750 GAL	Sewer Manhole	41416	GROUND	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY DUE TO HEAVY RAIN	LACK OF SYSTEM CAPACITY	939462	CLEAN UP WORK ORDER #939604 HAS BEEN CREATED FOR I&FP TO CLEAN THIS MANHOLE.	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	4341 PRUITT CT	08/04/09 12:30: PM	08/04/09 07:57 PM	2,400 GAL	Sewer Service Line	85052D	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	939120	NO CLEAN-UP REQUIRED	LOCATION DISCOVERED DURING RAIN EVENT RECON-WILL BE MONITORED AND EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	4345 PRUITT CT	08/04/09 12:32: PM	08/04/09 08:00 PM	2,400 GAL	Sewer Service Line	85055	GROUND	BUECHEL BRANCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	939036	DISCLN WORK ORDER #941543	SITE LOCATED DURING RAIN EVENT RECON-WILL BE MONITORED AND EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	7900 SHELBYVILLE RD	08/04/09 12:35: PM	08/04/09 03:59 PM	2,300 GAL	Sewer Manhole	02933	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938457	NO CLEAN-UP NECESSARY	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	5006 DELAWARE DR	08/04/09 12:45: PM	08/04/09 05:12 PM	1,500 GAL	Sewer Service Line	181852	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	939033	DISCLN WORK ORDER #941021	THIS SITE WAS FOUND DURING RAIN EVENT RECON-WILL BE MONITORED AND EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	3401 FOUNTAIN DR	08/04/09 12:50: PM	08/04/09 08:10 PM	72,000 GAL	Sewer Manhole	30681	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938502	DISCLN WORK ORDER #941814	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3420 FOUNTAIN DR	08/04/09 12:55: PM	08/04/09 08:13 PM	150,000 GAL	Sewer Manhole	30680	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938510	NO CLEAN-UP REQUIRED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	7801 EDSEL LN	08/04/09 1:00: PM	08/04/09 02:14 PM	3,700 GAL	Sewer Manhole	92098	GROUND	FERN CREEK	LG&E POWER FAILURE	POWER OUTAGE (LG&E)	938269	MSD RAKED & BAGGED DEBRIS	LG&E RESTORED POWER
DEREK R. GUTHRIE	KY0078956	7801 EDSEL LN	08/04/09 1:00: PM	08/04/09 02:14 PM	7,400 GAL	Sewer Manhole	92099	GROUND	FERN CREEK	LG&E POWER FAILURE - STORMS IN THE AREA	POWER OUTAGE (LG&E)	938261	MSD RAKED & BAGGED DEBRIS	LG&E RESTORED POWER
MORRIS FORMAN	KY0022411	3623 BARDSTOWN RD	08/04/09 1:05: PM	08/04/09 08:18 PM	120,000 GAL	Sewer Manhole	49673	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938529	NO CLEAN-UP REQUIRED	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3603 BARDSTOWN RD	08/04/09 1:08: PM	08/04/09 09:40 PM	120,000 GAL	Sewer Manhole	49672	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938533	DISCLN WORK ORDER #941841	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	2201 GERALD CT	08/04/09 1:14: PM	08/05/09 04:40 AM	140,000 GAL	Sewer Manhole	18298	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938536	DISCLN WORK ORDER #941845	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1012 ALTA CIR	08/04/09 1:15: PM	08/05/09 12:30 PM	270,000 GAL	Sewer Manhole	27005	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938623	DISCLN WORK ORDER #940927	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1132 ROSTREVOR CIR	08/04/09 1:15: PM	08/05/09 03:42 PM	320,000 GAL	Sewer Manhole	45835	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938627	DISCLN WORK ORDER #940905	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	2240 LIVERPOOL LN	08/04/09 1:17: PM	08/04/09 08:30 PM	72,000 GAL	Sewer Manhole	18302	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938548	DISCLN WORK ORDER #941849	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	8021 CHRISTIAN CT	08/04/09 1:20: PM	08/04/09 03:59 PM	45,000 GAL	Sewer Manhole	02932	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938562	NO CLEAN-UP REQUIRED	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3303 TROUT CREEK DR	08/04/09 1:40: PM	08/04/09 09:36 PM	144,000 GAL	Sewer Service Line	BU05091039	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938870	DISCLN WORK ORDER #941692	SITE WAS FOUND DURING RAIN EVENT RECON-WILL BE MONITORED AND EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	3305 BENT CREEK CT	08/04/09 1:47: PM	08/05/09 12:47 AM	144,000 GAL	Sewer Service Line	BU05074039	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	939024	DISCLN WORK ORDER #941681	THIS LOCATION WAS FOUND DURING RAIN EVENT RECON-WILL BE MONITORED AND EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	4641 BEAVER RD	08/04/09 2:42: PM	08/05/09 09:24 AM	81,000 GAL	Sewer Manhole	25012	DITCH	UPPER SINKING FORK	LACK OF SYSTEM CAPACITY DUE TO HEAVY RAIN	LACK OF SYSTEM CAPACITY	938437	DISCLN WORK ORDER #941858	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	4912 DELAWARE DR	08/04/09 2:54: PM	08/04/09 08:05 PM	22,680 GAL	Sewer Manhole	18654	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938728	DISCLN WORK ORDER #941706	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	4304 RIVANNA DR	08/04/09 3:22: PM	08/04/09 03:32 PM	500 GAL	Sewer Lift Station	MSD0151-PS	GROUND	FERN CREEK	LG&E POWER OUTAGE	POWER OUTAGE (LG&E)	938356	NO DEBRIS	LG&E RESTORED POWER
MORRIS FORMAN	KY0022411	202 OXMOOR LN	08/04/09 3:37: PM	08/05/09 09:10 AM	54,000 GAL	Sewer Manhole	47583	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938564	NO CLEAN-UP NEEDED	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4640 BARBOUR LN	08/04/09 3:40: PM	08/05/09 02:00 AM	102,000 GAL	Sewer Manhole	65633	STREAM	LITTLE GOOSE CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	938703	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR.
JEFFERSONTOWN	KY0025194	11600 DIODE CT	08/04/09 3:58: PM	08/04/09 04:00 PM	50 GAL	Sewer Lift Station	MSD1081-PS	DITCH	CHENOWETH RUN	OVERLOADED CIRCUIT BREAKERS TRIPPED	ELECTRICAL PROBLEMS AT MSD	938415	CLEAN UP NOT POSSIBLE	RESET THE OVERLOADS
DEREK R. GUTHRIE	KY0078956	10805 ORELAND MILL RD	08/04/09 4:00: PM	08/04/09 04:30 PM	1,500 GAL	Sewer Manhole	60709-W	DITCH	PENNSYLVANIA RUN	LG&E POWER OUTAGE	POWER OUTAGE (LG&E)	938639	NO DEBRIS	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	8021 CHRISTIAN CT	08/04/09 4:03: PM	08/04/09 09:33 PM	111,000 GAL	Sewer Manhole	47593	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938555	DISCLN WORK ORDER #941852	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED DECEMBER 31, 2008
BERRYTOWN	KY0036501	1203 HEAFER RD	08/04/09 4:50: PM	08/04/09 10:00 PM	38,000 GAL	Sewer Treatment Plant	MSD0209	STREAM	FLOYDS FORK	STRUCTURE FAILURE, RUSTED HOLES IN TANK	LACK OF SYSTEM CAPACITY	938663	CONTRACTOR CLEANED & SANITIZED THE AREA	MAINTENANCE PERSONNEL IS WORKING ON REPAIRING THE TANKS; WATER RECEDED TO NORMAL LEVELS
HITE CREEK	KY0022420	7510 MEADOW STREAM CT	08/04/09 5:00: PM	08/05/09 01:00 AM	36,000 GAL	Sewer Manhole	90876	STREAM	HARRODS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938701	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
MORRIS FORMAN	KY0022411	213 SCOTTSDALE BLVD	08/04/09 5:15: PM	08/04/09 06:10 PM	1,375 GAL	Sewer Lift Station	MSD0016-PS	GROUND	NORTHERN DITCH	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938661	NO DEBRIS OBSERVED	THIS SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR.
MORRIS FORMAN	KY0022411	8410 SAUREL DR	08/04/09 5:40: PM	08/05/09 02:50 AM	3,650 GAL	Sewer Manhole	91624	GROUND	GOOSE CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938704	MSD CLEANED & SANITIZED THE AREA	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
DEREK R. GUTHRIE	KY0078956	11006 WAYCROSS AVE	08/04/09 5:45: PM	08/05/09 03:00 AM	138,750 GAL	Sewer Lift Station	MSD0163-LS	DITCH	PENNSYLVANIA RUN	LACK OF SYSTEM CAPACITY	PUMPED OVERFLOW	938640	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR.
MORRIS FORMAN	KY0022411	300 MOCKINGBIRD VALLEY RD	08/04/09 5:58: PM	08/06/09 09:40 AM	240,000 GAL	Sewer Manhole	41374	DITCH	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938629	DISCLN WORK ORDER #941863	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	3506 CHARLANE PKY	08/04/09 6:22: PM	08/04/09 08:57 PM	11,500 GAL	Sewer Manhole	28250	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938634	DISCLN WORK ORDER #940850 CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4600 SHELBYVILLE RD	08/04/09 6:29: PM	08/04/09 10:00 PM	24,000 GAL	Sewer Manhole	45443	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939785	NONE NEEDED DUE TO MAGNITUDE OF RAIN EVENT	SOLUTION IS INCLUDED IN THE ISSDP
JEFFERSONTOWN	KY0025194	3620 CHARLANE PKY	08/04/09 6:45: PM	08/04/09 07:15 PM	1,500 GAL	Sewer Manhole	28340	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938635	DISCLN WORK ORDER #940838 HAS BEEN CREATED FOR I&FP FO THIS LOCATION	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTEB ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	10212 CAVEN AVE	08/04/09 7:20: PM	08/05/09 08:45 PM	21,250 GAL	Sewer Lift Station	MSD0133-PS	GROUND	MUD CREEK	LACK OF SYSTEM CAPACITY	PUMPED OVERFLOW	938643	NO DEBRIS	SET PUMP TO PREVENT BASEMENT FLOODING UNTIL HAULING FROM STATION WAS AVAILABLE
MORRIS FORMAN	KY0022411	2201 GERALD CT	08/04/09 7:23: PM	08/05/09 04:45 AM	648,000 GAL	Sewer Manhole	48885	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	938666	DISCLN WORK ORDER #940882 CREATED FOR I&FP FOR THIS LOCATION	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	3450 GLENVIEW AVE	08/04/09 9:00: PM	08/05/09 12:30 AM	10,500 GAL	Sewer Lift Station	MSD0183-PS	DITCH	OHIO RIVER	LG&E POWER FAILURE	POWER OUTAGE (LG&E)	938072	MSD CLEANED & SANITIZED THE AREA	LG&E RESTORED POWER
MORRIS FORMAN	KY0022411	3600 DOWNING WAY	08/05/09 6:00: PM	08/06/09 01:40 PM	5,900 GAL	Sewer Manhole	48897	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939977	MSD CLEANED & SANITIZED THE AREA	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
MORRIS FORMAN	KY0022411	804 N ARBOR DR	08/10/09 10:10: PM	08/10/09 10:13 PM	15 GAL	Sewer Manhole	00746	DITCH	MIDDLE FORK BEARGRASS CREEK	LG&E POWER FAILURE	POWER OUTAGE (LG&E)	942053	NO DEBRIS	A SOLUTION FOR THIS LOCATION IS LOCATED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
MORRIS FORMAN	KY0022411	501 MOCKINGBIRD VALLEY RD	08/11/09 1:40: AM	08/11/09 03:00 PM	4,000 GAL	Sewer Lift Station	MSD0023-PS	STREAM	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942573	MSD CLEANED & SANITIZED THE AREA	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
MORRIS FORMAN	KY0022411	1733 BROWNSBORO RD	08/13/09 7:30: AM	08/13/09 03:15 PM	500 GAL	Sewer Manhole	CSO088	STREAM	SOUTH FORK BEARGRASS CREEK	DISCOVERED A WHEEL BARROW TIRE IN LINE	OBSTRUCTION-NOT GREASE / ROOTS	943613	NO CLEAN UP PERFORMED-PIPE DISCHARGES UNDERWATER, DIRECTLY INTO STREAM	REMOVED WHEELBARROW TIRE
MORRIS FORMAN	KY0022411	1834 MELLWOOD AVE	08/13/09 11:00: AM	08/13/09 06:09 PM	1,500 GAL	Sewer Manhole	CSO154	STREAM	MUDDY FORK BEARGRASS CREEK	ROOTS IN MAIN SEWER	ROOTS	943615	NO CLEAN UP PERFORMED- PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	WORK ORDER 943859 - ROOT CUT THE MAIN SEWER
BANCROFT	KY0039021	7610 OLD ORCHARD CIR	08/17/09 11:35: AM	08/17/09 11:45 AM	250 GAL	Sewer Treatment Plant	MSD0290	STREAM	GOOSE CREEK	MECHNICAL PROBLEM WITH CLARIFIER COLLECTOR ARM	BYPASS AT WQTC	944513	CONTRACTOR CLEANED AREA	MAINTENANCE IS REPAIRED COLLECTOR DRIVE AND HAULING TANKS TO PREVENT FURTHER DISCHARGE #944509
MORRIS FORMAN	KY0022411	1200 S 4TH ST	08/27/09 12:00: PM	08/27/09 05:20 PM	6,600 GAL	Sewer Manhole	CSO195	STREAM	OHIO RIVER	SEWER LINE COLLAPSE ON OAK ST	STRUCTURAL FAILURE	947859	SITE CLEANED AS NEEDED, BUT OVERFLOW HAS REACHED A SUBMERGED OUTFALL IN THE RIVER	DISCHARGE HAS STOPPED AND CONTRACTORS ARE MAKING REPAIRS TO SEWER.
HITE CREEK	KY0022420	5500 HITT RD	08/29/09 7:00: AM	08/29/09 07:20 AM	25,000 GAL	Sewer Treatment Plant	MSD0202	STREAM	HITE CREEK	OBSTRUCTION IN DISCHARGE LINE FROM SAND FILTER TO UV SYSTEM	BYPASS AT WQTC	948358	MSD WILL CLEAN AND SANITIZE AREA	USING PUMP AROUND FOR ADDITIONAL STORAGE UNTIL REPAIRS ARE COMPLETED
HITE CREEK	KY0022420	5500 HITT RD	08/29/09 3:17: PM	08/29/09 06:00 PM	10,000 GAL	Sewer Treatment Plant	MSD0202	STREAM	HITE CREEK	OBSTRUCTION IN LINE BETWEEN SAND FILTERS AND UV SYSTEM	BYPASS AT WQTC	948395	MSD CLEANED AND SANITIZED AREA	WILL CONT REPAIRS AND PUMP AROUND TILL REPAIRS ARE COMPLETE
CHENOWETH RUN	KY0042226	14307 WAKEFIELD PL	09/05/09 10:00: AM	09/05/09 10:45 AM	300 GAL	Sewer Main	80351D-AG	GROUND	FLOYDS FORK	MSD1169-PS, LAKE FOREST PS, FORCE MAIN BREAK @14303 WAKEFIELD PL	STRUCTURAL FAILURE	952859	MSD CLEANED & SANITIZED THE AREA	WORK ORDER 952852 - REPAIRED THE FORCE MAIN
MORRIS FORMAN	KY0022411	10204 GARLANREID PL	09/08/09 12:30: PM	09/08/09 03:38 PM	400 GAL	Sewer Manhole	24738	DITCH	MIDDLE FORK BEARGRASS CREEK	OBSTRUCTION IN MSD MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	953196	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 953204, 943207 AND 953208 - ROOTCUT AND FLUSHED AND OPEN THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	11621 LOWER RIVER RD	09/16/09 3:25: AM	09/16/09 03:28 AM	153,000 GAL	Sewer Treatment Plant	MSD0277	STREAM	OHIO RIVER	#2 BISULFITE PUMP NOT PUMPING ENOUGH	BYPASS AT WQTC	955750	NO DEBRIS	STARTED #1 BISULFITE PUMP RETOOK CL2 READING
MORRIS FORMAN	KY0022411	4640 BARBOUR LN	09/19/09 12:45: PM	09/19/09 01:35 PM	2,500 GAL	Sewer Manhole	65633	STREAM	LITTLE GOOSE CREEK	CONTROL CIRCUIT FUSE BLOWN CAUSING SEAL WATER PUMP TO FAIL CAUSING SEWAGE PUMPS TO SHUT DOWN	ELECTRICAL PROBLEMS AT MSD	956729	MSD CLEANED & SANITIZED THE AREA	L.KNOOP REPLACED FUSE & CHANGED CONTROL CIRCUIT & RETURNED PUMPS TO SERVICE, STOPPING DISCHARGE @ 13:35. ADDITIONALLY WILL CHANGE SEAL WATER PUMP
MORRIS FORMAN	KY0022411	4200 LEE AVE	09/20/09 9:10: PM	09/21/09 12:31 AM	21,000 GAL	Sewer Manhole	51301	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	957877	DISCLN WORK ORDER #958038	THIS IS A NEW LOCATION FOUND DURING THE RAIN EVENT OF AUG 4, 2009. LOCATION WILL BE MONITORED AND INSPECTED FOR REPAIR
MORRIS FORMAN	KY0022411	4119 LEE AVE	09/20/09 9:15: PM	09/21/09 01:01 PM	52,500 GAL	Sewer Manhole	104231	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	956859	DISCLN WORK ORDER #958042	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4119 LEE AVE	09/20/09 9:16: PM	09/21/09 01:00 PM	3,000 GAL	Sewer Manhole	13943	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	956861	DISCLN WORK ORDER # 957965	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1418 TREVILIAN WAY	09/20/09 10:00: PM	09/21/09 12:44 AM	18,000 GAL	Sewer Manhole	51594	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	956864	DISCLN WORK ORDER # 957945	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	1726 FRASER DR	09/20/09 10:07: PM	09/21/09 11:15 AM	47,088 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	956863	DISCLN WORK ORDER #958055	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	09/20/09 10:09: PM	09/21/09 06:08 AM	1,060,533 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	956838	NONE NEEDED-SUMBERGED PIPE	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	09/20/09 10:38: PM	09/21/09 02:18 AM	312,827 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	BLENDED DUE TO LACK OF SYSTEM CAPACITY DUE TO RAIN IN AREA	BLENDED AT JTOWN WQTC	956924	NO CLEANUP REQUIRED, EFFLUENT RECEIVED PRIMARY AND UV TREATMENT	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
MORRIS FORMAN	KY0022411	3246 RADIANCE RD	09/20/09 10:42: PM	09/21/09 12:37 AM	21,870 GAL	Sewer Lift Station	MSD0012-PS	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	PUMPED OVERFLOW	956936	NO IMPACT OBSERVED- PIPE DISCHARGE SUBMERGED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN.
MORRIS FORMAN	KY0022411	2120 INDIAN HILLS TRL	09/20/09 11:10: PM	09/21/09 02:28 AM	39,600 GAL	Sewer Manhole	40870	DITCH	MUDDY FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA.	LACK OF SYSTEM CAPACITY	957066	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	09/20/09 11:15: PM	09/21/09 02:41 AM	147,609 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	956857	NONE NEEDED-SUBMERGED PIPE	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	1714 LAMKINS CT	09/21/09 1:00: AM	09/21/09 04:30 AM	9,999 GAL	Sewer Manhole	04699-W	GROUND	MILL CREEK	STATION UNDER WATER DUE TO RAIN EVENT	LACK OF SYSTEM CAPACITY	957089	NO DEBRIS	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTEGRATED OVERFLOW ABATEMENT PLAN.
CEDAR CREEK	KY0098540	8605 CEDAR CREEK RD	09/21/09 1:30: AM	09/21/09 01:45 AM	500 GAL	Sewer Treatment Plant	MSD0289	GROUND	CEDAR CREEK	OVERFLOWED OXIDATION DITCH DUE TO ELEVATED FLOWS DURING RAIN EVENT	BYPASS AT WQTC	956949	MSD CLEANED & SANITIZED THE AREA	RAISED CENTER WELL GATE & LOWERED BYPASS GATE TO REMOVE WATER LEVEL IN OX. DITCH.
MORRIS FORMAN	KY0022411	1132 ROSTREVOR CIR	09/21/09 1:43: AM	09/21/09 10:46 AM	490,000 GAL	Sewer Manhole	45835	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	956923	DISCLN WORK ORDER #958074	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1012 ALTA CIR	09/21/09 1:45: AM	09/21/09 10:48 AM	520,000 GAL	Sewer Manhole	27005	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	956925	DISCLN WORK ORDER #958079	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
HITE CREEK	KY0022420	7510 MEADOW STREAM CT	09/21/09 2:15: AM	09/21/09 06:29 AM	12,700 GAL	Sewer Manhole	91087	STREAM	SOUTH FORK HARRODS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	957051	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	1800 NIGHTINGALE RD	09/23/09 12:32: AM	09/23/09 12:53 AM	5,088 GAL	Sewer Manhole	CSO018	STREAM	SOUTH FORK BEARGRASS CREEK	TRIPPED BREAKER FOR PUMP #1	ELECTRICAL PROBLEMS AT MSD	958654	PIPE DISCHARGE SUBMERGED- NO CLEANUP	RESET PUMP BREAKER
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	09/26/09 10:21: PM	09/27/09 03:19 AM	254,916 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDED AT JTOWN WQTC	961483	NO CLEAN UP REQUIRED EFFLUENT RECEIVED PRIMARY AND UV TREATMENT	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
DEREK R. GUTHRIE	KY0078956	9114 CINDERELLA LN	09/26/09 10:30: PM	09/27/09 09:00 AM	3,300 GAL	Sewer Lift Station	MSD1013-PS	DITCH	FISHPOOL CREEK	LACK OF SYSTEM CAPACITY DURING RAIN EVENT	LACK OF SYSTEM CAPACITY	961484	MSD CLEANED & SANITIZED THE AREA	HAULING TO PREVENT FURTHER DISCHARGE. #961575
DEREK R. GUTHRIE	KY0078956	6023 COOPER CHAPEL RD	09/27/09 12:11: AM	09/27/09 01:00 AM	1,800 GAL	Sewer Service Line	160264	GROUND	FISHPOOL CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	961488	MSD CLEANED & SANITIZED THE AREA	HAULING STATION TO PREVENT FURTHER DISCHARGE. #961581
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	09/27/09 12:30: AM	09/27/09 02:45 AM	100 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	RAIN EVENT CAUSED LACK OF SYSTEM CAPACITY	BYPASS AT WQTC	961491	CONTRACTOR CLEANED & SANITIZED THE AREA; MSD LIMED.	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	1800 NIGHTINGALE RD	09/28/09 11:49: AM	09/28/09 12:19 PM	8,576 GAL	Sewer Manhole	CSO018	STREAM	SOUTH FORK BEARGRASS CREEK	ELECTRICAL CONTROLS PROBLEM	ELECTRICAL PROBLEMS AT MSD	961755	NO CLEAN UP REQUIRED SUBMERGED DISCHARGE PIPE	REPAIRED MOTOR CONTROLLER WITH SPARE PARTS
MORRIS FORMAN	KY0022411	1800 NIGHTINGALE RD	10/01/09 3:00: PM	10/01/09 03:58 PM	4,483 GAL	Sewer Manhole	CSO018	STREAM	SOUTH FORK BEARGRASS CREEK	ELECTRICAL CONTROLS PROBLEMS	ELECTRICAL PROBLEMS AT MSD	963868	PIPE DISCHARGE SUBMERGED- NO CLEANUP	MAINTENACE REPAIRED ELECTRICAL PROBLEMS.

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
DEREK R. GUTHRIE	KY0078956	6023 COOPER CHAPEL RD	10/02/09 7:40: AM	10/02/09 10:40 AM	2,700 GAL	Sewer Service Line	160264	GROUND	FISHPOOL CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	964012	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR.
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	10/02/09 8:36: AM	10/02/09 10:40 AM	34,812 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	FLOW EXCEEDED PLANT CAPACITY	BLENDING AT JTOWN WQTC	964033	NO CLEANUP PERFORMED- PIPE DISCHARGING UNDERWATER	A SOLUTION FOR THIS LOCATION IS IN THE IOAP
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	10/05/09 3:15: PM	10/05/09 05:35 PM	7,953 GAL	Sewer Treatment Plant	MSD0263	STREAM	CHENOWETH RUN	MECHANICAL, FITTING FAILURE	BYPASS AT WQTC	967725	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	REMOVED FAILED FITTING & REPLACED. RETURNED TO SERVICE.
MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	10/09/09 4:14: AM	10/09/09 03:17 PM	930 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	969305	NONE NEEDED-REMOTE LOCATION ON MSD PROPERTY	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3246 RADIANCE RD	10/09/09 4:26: AM	10/10/09 08:49 PM	1,627,860 GAL	Sewer Lift Station	MSD0012-PS	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	PUMPED OVERFLOW	969276	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	10/09/09 4:31: AM	10/10/09 01:58 AM	1,650,306 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	969277	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	NOGOTATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
MORRIS FORMAN	KY0022411	1726 FRASER DR	10/09/09 4:40: AM	10/11/09 12:01 AM	234,426 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	969381	DISCLN WORK ORDER #969901	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1418 TREVILIAN WAY	10/09/09 4:50: AM	10/09/09 08:55 AM	9,720 GAL	Sewer Manhole	51594	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	969376	DISCLN WORK ORDER #969775	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4119 LEE AVE	10/09/09 4:55: AM	10/09/09 08:10 AM	108,000 GAL	Sewer Manhole	104231	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	969396	DISCLN WORK ORDER #969694	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4119 LEE AVE	10/09/09 4:57: AM	10/09/09 08:11 AM	554 GAL	Sewer Manhole	13943	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	969402	DISCLN WORK ORDER #969683	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	6023 COOPER CHAPEL RD	10/09/09 5:00: AM	10/09/09 06:00 AM	50 GAL	Sewer Service Line	160264	GROUND	FISHPOOL CREEK	OVERFLOWED AT CLEAN OUT DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	969528	MSD CLEANED & SANITIZED THE AREA	HAULING TO PREVENT FURTHER DISCHARGE #969313
MORRIS FORMAN	KY0022411	4200 LEE AVE	10/09/09 5:00: AM	10/09/09 08:14 AM	540 GAL	Sewer Manhole	51301	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	969392	DISCLN WORK ORDER #969688	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	10/09/09 5:10: AM	10/09/09 09:05 PM	1,288 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	969304	NONE NEEDED-PIPE SUMBERGED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3035 CARSON WAY	10/09/09 5:14: AM	10/09/09 02:30 PM	528,200 GAL	Sewer Manhole	17571	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	969281	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3101 WEDGEWOOD WAY	10/09/09 5:18: AM	10/09/09 03:22 PM	590,100 GAL	Sewer Manhole	18595	DITCH	WEDGEWOOD DITCH	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	969283	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	4432 CORDOVA RD	10/09/09 5:20: AM	10/09/09 09:36 AM	272,700 GAL	Sewer Manhole	21061	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	969278	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3015 BOAIRES LN	10/09/09 5:23: AM	10/09/09 02:25 PM	564,300 GAL	Sewer Manhole	18483	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	969284	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3107 DELL BROOKE AVE	10/09/09 5:26: AM	10/09/09 07:37 PM	1,067,200 GAL	Sewer Manhole	18471	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	969285	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	3540 RAMONA AVE	10/09/09 5:31: AM	10/09/09 01:05 PM	446,600 GAL	Sewer Manhole	18505	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	969282	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	100 STONEHENGE DR	10/09/09 5:40: AM	10/09/09 06:01 PM	1,263,500 GAL	Sewer Manhole	21156	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	969280	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	4522 CORDOVA RD	10/09/09 5:50: AM	10/09/09 10:30 AM	472,100 GAL	Sewer Manhole	21153	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	969279	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
HITE CREEK	KY0022420	7510 MEADOW STREAM CT	10/09/09 6:30: AM	10/09/09 02:00 PM	56,250 GAL	Sewer Manhole	91087	STREAM	SOUTH FORK HARRODS CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	LACK OF SYSTEM CAPACITY	969327	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	THIS SITE WAS FOUND DURING RAIN EVENT RECON
MORRIS FORMAN	KY0022411	1012 ALTA CIR	10/09/09 6:32: AM	10/09/09 09:32 AM	4,200 GAL	Sewer Manhole	27005	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	969350	DISCLN WORK ORDER #969783	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1132 ROSTREVOR CIR	10/09/09 6:40: AM	10/09/09 09:40 AM	4,200 GAL	Sewer Manhole	45835	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	969357	DISCLN WORK ORDER #969779	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3305 INDIAN CREEK CT	10/09/09 6:43: AM	10/09/09 08:24 AM	1,080 GAL	Sewer Manhole	51160	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	969384	NO CLEAN-UP NEEDED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
HUNTING CREEK SOUTH	KY0029114	8619 WESTOVER DR	10/20/09 1:53: PM	10/20/09 02:05 PM	150 GAL	Sewer Lift Station	MSD1064-PS	DITCH	HARRODS CREEK	ONE PUMP HAS PROBLEM WITH BEARINGS	MECHANICAL FAILURE	972767	MSD PERSONNEL CLEANED AND SANITIZED THE AREA	STATION BEING HAULED UNTIL REPAIRS ARE COMPLETED
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	10/27/09 11:34: PM	10/28/09 12:14 AM	3,078 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	974577	NONE NEEDED-PIPE SUBMERGED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	10/27/09 11:43: PM	10/28/09 02:02 AM	47,448 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	974557	NO CLEAN UP PERFORMED - WATER RECEIVED PRIMARY & UV TREATMENT	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
MORRIS FORMAN	KY0022411	1726 FRASER DR	10/28/09 2:50: AM	10/28/09 10:45 AM	44,757 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	974587	DISCLN WORK ORDER #975101	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	10/28/09 6:20: AM	10/28/09 06:22 AM	224 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN	LACK OF SYSTEM CAPACITY	974827	NONE POSSIBLE DUE TO MAGNITUDE OF STORM	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	10/31/09 3:27: AM	10/31/09 04:00 PM	966,634 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	975855	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	10/31/09 3:36: AM	10/31/09 03:36 AM	1,627 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	975874	NONE NEEDED-PIPE SUBMERGED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	1726 FRASER DR	10/31/09 4:00: AM	11/01/09 12:01 AM	133,357 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	975877	DISCLN W/O #976136	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31,2009
MORRIS FORMAN	KY0022411	3246 RADIANCE RD	10/31/09 4:46: AM	11/01/09 06:10 AM	415,740 GAL	Sewer Lift Station	MSD0012-PS	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	PUMPED OVERFLOW	975856	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN FOR ABATEMENT
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	10/31/09 7:29: AM	10/31/09 02:52 PM	223,896 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	975876	NONE NEEDED-PIPE SUBMERGED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
CEDAR CREEK	KY0098540	8605 CEDAR CREEK RD	11/01/09 5:00: AM	11/01/09 06:15 AM	207,997 GAL	Sewer Treatment Plant	MSD0289	GROUND	CEDAR CREEK	UV EAST CHANNEL EFFLUENT GATE FAILED TO COMPLETELY CLOSE IN AUTOMATIC	BYPASS AT WQTC	975966	NO CLEAN UP PERFORMED - PIPE DISCHARGING DIRECTLY INTO STREAM	CLOSED GATE IN MANUAL TO STOP FLOW UNTIL CAUSE INVESTIGATED & REPAIRS CAN BE MADE

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	147 BUCHANAN ST	11/01/09 1:00: PM	11/01/09 01:30 PM	1,073,000 GAL	Sewer Manhole	CSO020	GROUND	OHIO RIVER	POWER ISSUE CAUSED PUMPS TO FAIL AND BYPASS OVER CSO 20 UNTIL PUMPS WERE ABLE TO BE RESTARTED.	POWER OUTAGE (LG&E)	975993	NONE REQUIRED; SUBMERGED OUTLET IN THE OHIO RIVER	NONE REQUIRED. POWER WAS RESTORED AND PUMPS WERE RESTARTED
MORRIS FORMAN	KY0022411	4522 WINNROSE WAY	11/11/09 10:45: AM	11/12/09 01:21 AM	1,150,000 GAL	Sewer Manhole	CSO210	STREAM	OHIO RIVER	MECHANICAL FAILURE OF THE GATE AT THE MAIN DIVERSION STRUCTURE	MECHANICAL FAILURE	979932	NO CLEAN UP PERFORMED - PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER	TEMPORARY MODIFICATIONS MADE TO ALLOW OPERATION OF GATE
MORRIS FORMAN	KY0022411	4522 WINNROSE WAY	11/11/09 12:00: PM	11/12/09 12:17 AM	9,185,000 GAL	Sewer Manhole	CSO016	STREAM	OHIO RIVER	MECHANICAL FAILURE OF THE GATE AT THE MAIN DIVERSION STRUCTURE	MECHANICAL FAILURE	979931	NO CLEAN UP PERFORMED - PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER	TEMPORARY MODIFICATIONS MADE TO ALLOW OPERATION OF GATE
MORRIS FORMAN	KY0022411	4522 WINNROSE WAY	11/12/09 10:39: AM	11/12/09 11:59 AM	18,781 GAL	Sewer Manhole	CSO210	STREAM	OHIO RIVER	DIVERSION GATE CLOSED TO FACILITATE REPAIR WORK.	MECHANICAL FAILURE	980591	NO CLEAN UP PERFORMED - PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER	REPAIRS COMPLETE
MORRIS FORMAN	KY0022411	7904 BROWNSBORO RD	11/20/09 9:30: AM	11/20/09 05:06 PM	75 GAL	Sewer Manhole	45544	GROUND	GOOSE CREEK	GREASE IN THE MAIN SEWER	GREASE BLOCKAGE	983491	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 983493 - FLUSHED AND OPEN THE MAIN SEWER
MORRIS FORMAN	KY0022411	1919 BROWNSBORO RD	12/08/09 12:30: AM	12/08/09 12:45 AM	3,333 GAL	Sewer Manhole	CSO132	STREAM	MUDDY FORK BEARGRASS CREEK	WATER MAIN BREAK ALONG LOWER BROWNSBORO ROAD	UTILITY DAMAGED MSD ASSET	989746	LIMITED ACCESS TO OVERFLOW OUTFALL - NO CLEAN UP REQUIRED	LOUISVILLE WATER COMPANY IS ON SITE MAKING REPAIRS TO WATER MAIN
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	12/08/09 8:53: PM	12/09/09 02:51 AM	378,642 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	BLENDING AT JTOWN WQTC	989835	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	12/08/09 9:50: PM	12/09/09 02:40 AM	67,535 GAL	Sewer Treatment Plant	MSD0263	STREAM	CHENOWETH RUN	RAIN EVENT IN AREA CAUSING SOLIDS TO WASH OUT OF PLANT	BYPASS AT WQTC	989842	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	TURNED BLOWERS OFF TO SETTLE THE PLANT SOLIDS
STARVIEW	KY0031712	423 BERMUDA WAY	12/08/09 9:53: PM	12/08/09 10:24 PM	2,139 GAL	Sewer Treatment Plant	MSD0247	STREAM	CHENOWETH RUN	HIGH FLOW DUE TO RAIN EVENT IN AREA	BYPASS AT WQTC	989838	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	TURNED OFF BLOWERS TO SETTLE PLANT
MORRIS FORMAN	KY0022411	1726 FRASER DR	12/08/09 10:10: PM	12/09/09 04:50 PM	70,180 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	989844	DISCLN WO #990609	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2009
MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	12/08/09 10:36: PM	12/09/09 01:34 AM	16,206 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	989845	NONE NEEDED-PIPE SUBMERGED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
CEDAR CREEK	KY0098540	8605 CEDAR CREEK RD	12/08/09 11:00: PM	12/08/09 11:30 PM	100 GAL	Sewer Treatment Plant	MSD0289	GROUND	CEDAR CREEK	HEAVY RAIN EVENT IN AREA & ADJUSTMENT OF CENTER WELL GATE. INSPECT DRAIN LINE FOR BREAKAGE	BYPASS AT WQTC	989846	NO CLEANUP OCCURRED DUE TO HEAVY RAIN	ADJUSTED CENTER WELL GATE TO STOP BYPASS
MORRIS FORMAN	KY0022411	342 W MAIN ST	12/21/09 12:37: PM	12/21/09 01:07 PM	312,000 GAL	Sewer Manhole	CSO022	STREAM	OHIO RIVER	LOUISVILLE WATER COMPANY HAD A WATER MAIN BREAK @ 3RD STREET & MUHAMMAD ALI BLVD. UTILITY DAMAGE:	UTILITY DAMAGED MSD ASSET	992903	NO CLEAN UP PERFORMED - PIPES DISCHARGE UNDERWATER, DIRECTLY INTO RIVER	WHEN FLOW SUBSIDED MSD PUMPS RECOVERED CAUSING THE OVERFLOW TO END
MORRIS FORMAN	KY0022411	3510 GLADDEN DR	12/26/09 12:00: PM	12/26/09 02:00 PM	5 GAL	Sewer Service Line	33609	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	993572	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 993575 - ROOTCUT AND OPEN THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	11621 LOWER RIVER RD	12/31/09 12:19: AM	12/31/09 02:29 AM	1,500,000 GAL	Sewer Treatment Plant	MSD0277	STREAM	OHIO RIVER	POWER FAILURE CAUSED BY L G & E	BYPASS AT WQTC	996579	NO DEBRIS ,ONLY A BYPASS OF DISINFECTION	L G &E RESTORED POWER ALL SYSTEMS BACK IN SERVICE
MORRIS FORMAN	KY0022411	1201 LEXINGTON RD	01/15/10 12:15: PM	01/15/10 02:20 PM	100 GAL	Sewer Manhole	CSO153	STREAM	SOUTH FORK BEARGRASS CREEK	OBSTRUCTION IN SIPHON	OBSTRUCTION-NOT GREASE / ROOTS	1002128	PIPE DISCHARGES DIRECTLY INTO BEARGRASS CREEK	MSD PERSONNEL FLUSHED THE SIPHON TO RELIEVE OBSTRUCTION
CEDAR CREEK	KY0098540	7100 HAWKINS RILL DR	01/18/10 6:30: PM	01/18/10 07:05 PM	200 GAL	Sewer Manhole	98799	STREAM	CEDAR CREEK	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1002426	NO CLEAN UP PERFORMED. MANHOLE DISCHARGING DIRECTLY INTO STREAM	WORK ORDER 1002438 AND 1002439 - FLUSHED THE MAIN SEWER AND REMOVED OBSTRUCTION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	01/21/10 1:19: PM	01/22/10 02:38 AM	2,208,502 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	1003387	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	1726 FRASER DR	01/21/10 4:15: PM	01/22/10 08:00 PM	240,555 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1003546	NONE NEEDED- PIPE SUBMERGED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	01/21/10 5:22: PM	01/22/10 05:55 AM	715,687 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1003547	NONE NEEDED-PIPE SUBMERGED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGED PLAN
MORRIS FORMAN	KY0022411	3246 RADIANCE RD	01/21/10 5:41: PM	01/22/10 08:24 AM	171,600 GAL	Sewer Lift Station	MSD0012-PS	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	PUMPED OVERFLOW	1003538	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	01/21/10 6:09: PM	01/22/10 01:18 AM	811,385 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1003548	NONE NEEDED-MAGNITUDE OF STORM CLEARED DEBRIS	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1012 ALTA CIR	01/21/10 8:35: PM	01/22/10 11:30 AM	48,000 GAL	Sewer Manhole	27005	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1003550	DISCLN W/O# 1003990	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	2105 INDIAN HILLS TRL	01/21/10 9:17: PM	01/22/10 12:03 AM	12,450 GAL	Sewer Manhole	40872	GROUND	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	LACK OF SYSTEM CAPACITY	1003553	CLEANED, SANITIZED & SPREAD LIME.	MANHOLE COVER REPLACED & BARRICADES REMOVED WHEN SAFE TO DO SO
MORRIS FORMAN	KY0022411	3600 DOWNING WAY	01/21/10 10:30: PM	01/22/10 02:00 AM	1,050 GAL	Sewer Manhole	48897	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	LACK OF SYSTEM CAPACITY	1003551	NO DEBRIS	CONTRACTOR REPAIRING MANHOLE
MORRIS FORMAN	KY0022411	501 MOCKINGBIRD VALLEY RD	01/22/10 3:00: AM	01/22/10 11:30 AM	12,750 GAL	Sewer Lift Station	MSD0023-PS	STREAM	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1003597	PIPE DISCHARGED SUBMERGED- NO DEBRIS	HAULED TO PREVENT FURTHER DISCHARGE. HANSEN HAUL WORK ORDER #1003758
MORRIS FORMAN	KY0022411	1726 FRASER DR	01/24/10 7:30: AM	01/26/10 07:45 AM	269,068 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1004217	A DISCHARGE CLEANUP WORK ORDER HAS BEEN CREATED FOR IFP TO COMPLETE THIS WORK. WO#1007406	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31,2008
MORRIS FORMAN	KY0022411	3246 RADIANCE RD	01/24/10 10:00: AM	01/25/10 11:00 AM	357,552 GAL	Sewer Lift Station	MSD0012-PS	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	PUMPED OVERFLOW	1004030	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	01/24/10 10:38: AM	01/25/10 04:52 AM	855,454 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	1004033	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	01/24/10 2:04: PM	01/24/10 03:12 PM	242 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN	LACK OF SYSTEM CAPACITY	1004219	NONE NEEDED - MAGNITUDE OF STORM CLEARED DEBRIS	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED DECEMBER 2008
MORRIS FORMAN	KY0022411	501 MOCKINGBIRD VALLEY RD	01/25/10 10:25: AM	01/25/10 12:30 PM	1,800 GAL	Sewer Lift Station	MSD0023-PS	STREAM	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1006088	NO CLEANUP REQUIRED, NO DEBRIS OBSERVED	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED AND EVALUATED FOR REPAIR.
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	01/31/10 7:27: AM	01/31/10 07:30 AM	2,082 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	BYPASS EVENT, BLENDING OCCURED DUE TO UPS CONTROLS FAILURE. 01/31/2010. 07:	BYPASS AT WQTC	1008290	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL	PUT PUMPS IN HAND OPERATION, & RESET UPS CONTROLS, RESUMED NORMAL OPERATION
MORRIS FORMAN	KY0022411	1726 FRASER DR	02/05/10 2:40: PM	02/26/10 02:00 PM	241,169 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1011582	DISCLN WO# 1011783	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1418 TREVILIAN WAY	02/05/10 4:17: PM	02/26/10 11:00 AM	600 GAL	Sewer Manhole	51594	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1011584	DISCLN WO# 1011729	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	02/05/10 4:34: PM	02/06/10 02:24 AM	516,697 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	1011559	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
HUNTING CREEK SOUTH	KY0029114	6210 DEEP CREEK CT	02/05/10 4:50: PM	02/05/10 05:00 PM	150 GAL	Sewer Lift Station	MSD1063-PS	DITCH	HARRODS CREEK	LACK OF CAPACITY, OVERFLOW DUE TO RAIN EVENT IN AREA.	LACK OF SYSTEM CAPACITY	1011562	MSD CLEANED, SANITIZED & LIMED THE AREA	HAULOP WO# 1011561 TO ELIMINATE OVERFLOW

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MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	02/05/10 5:41: PM	02/06/10 06:37 AM	535,724 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1011583	NONE NEEDED-PIPE SUBMERGED	THIS LOCATION IS IN THE SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3246 RADIANCE RD	02/05/10 6:21: PM	02/05/10 10:31 PM	125,580 GAL	Sewer Lift Station	MSD0012-PS	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	PUMPED OVERFLOW	1011572	PIPE SUBMERGED, NO CLEANUP	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	1012 ALTA CIR	02/05/10 8:08: PM	02/05/10 08:13 PM	23,000 GAL	Sewer Manhole	27005	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1011588	DISCLN WO# 1011620	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	02/05/10 8:43: PM	02/05/10 10:03 PM	272 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1011589	NONE NEEDED-PIPE SUBMERGED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	501 MOCKINGBIRD VALLEY RD	02/05/10 9:10: PM	02/06/10 03:00 AM	9,000 GAL	Sewer Lift Station	MSD0023-PS	STREAM	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	1011594	NO DEBRIS- PIPE SUBMERGED	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED AND EVALUATED FOR REPAIR.
FLOYDS FORK	KY0102784	1100 BLUE HERON RD	02/05/10 9:40: PM	02/05/10 09:50 PM	15,000 GAL	Sewer Treatment Plant	MSD0294	STREAM	FLOYDS FORK	SAND FILTER OVERWHELMED & OVERFLOWED DUE TO CONTROLS FAILURE OF ELECTRONIC LEVEL INDICATOR.	BYPASS AT WQTC	1011592	B&H FACTORING ALL POSSIBLE AREAS. MSD TO LIME & SANITIZE AREA	BY ADJUSTING DIVERSION GATE ELIMINATING BYPASS
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	02/14/10 8:20: AM	02/14/10 08:23 AM	510 GAL	Sewer Treatment Plant	MSD0263	STREAM	CHENOWETH RUN	OPERATOR FOUND NO CHLORINE FEED DUE TO LOW CHLORINE CYLINDER	BYPASS AT WQTC	1015412	NO CLEAN UP REQUIRED	OPERATOR CHANGED CHLORINE CYLINDER WITH A FULL ONE
MORRIS FORMAN	KY0022411	3007 WINTERHAVEN RD	03/08/10 11:00: AM	03/08/10 01:52 PM	25 GAL	Sewer Manhole	49604	DITCH	SOUTH FORK BEARGRASS CREEK	ROOTS IN MAIN SEWER	ROOTS	1036178	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1036181 - ROOT CUT THE MAIN SEWER
FLOYDS FORK	KY0102784	1100 BLUE HERON RD	03/10/10 12:18: AM	03/10/10 12:34 AM	24,365 GAL	Sewer Treatment Plant	MSD0294	STREAM	FLOYDS FORK	BYPASS UV DISINFECTION DUE TO MOMENTARY POWER DISRUPTION FROM LG&E - GENERATOR DID NOT DETECT POWER DISRUPTION	BYPASS AT WQTC	1036756	NO CLEAN UP PERFORMED - PIPES DISCHARGE UNDERWATER, DIRECTLY INTO STREAM	MANUAL START OF EMERGENCY GENERATOR TO RESTORE POWER - GENERATOR INSPECTION INDICATES GENERATOR SYSTEMS FUNCTIONING PROPERLY
MORRIS FORMAN	KY0022411	1544 CHEROKEE RD	03/11/10 9:00: AM	03/11/10 11:26 AM	150 GAL	Sewer Manhole	40475	GROUND	MIDDLE FORK BEARGRASS CREEK	ROOTS IN MAIN SEWER	ROOTS	1037245	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1037223 - ROOT CUT THE MAIN SEWER AND STOPPED THE DISCHARGE
MORRIS FORMAN	KY0022411	2318 STANNYE DR	03/18/10 7:15: PM	03/18/10 07:20 PM	500 GAL	Sewer Lift Station	MSD0116-PS	DITCH	OHIO RIVER	AIR LOCKED PUMPS	MECHANICAL FAILURE	1041314	MSD CLEANED, SANITIZED & SPREAD LIME	OPERATOR CLEARED AIRLOCK IN PUMPS AND PUT PUMPS BACK IN SERVICE
HUNTING CREEK SOUTH	KY0029114	6530 MONTERO DR	03/26/10 8:00: AM	03/26/10 10:30 AM	29,117 GAL	Sewer Treatment Plant	MSD0292	STREAM	HARRODS CREEK	DAMAGED SO2 FEED LINE	BYPASS AT WQTC	1043442	NO DEBRIS, NO CLEANUP	CHEROKEE REPAIRED SO2 FEED LINE
BERRYTOWN	KY0036501	1203 HEAFER RD	03/26/10 11:23: AM	03/26/10 11:53 AM	3,000 GAL	Sewer Treatment Plant	MSD0209	STREAM	FLOYDS FORK	BROKEN DOMESTIC WATER LINE THAT FEEDS THE SO2 SYSTEM	BYPASS AT WQTC	1043411	NO DEBRIS, NO CLEANUP	WATER SUPPLY SHUT OFF WHILE REPAIRS WERE MADE TO THE LINE & RETURNED TO SERVICE
JEFFERSONTOWN	KY0025194	3720 CANDLEWOOD WAY	04/02/10 2:14: PM	04/02/10 02:20 PM	20 GAL	Sewer Service Line	JT13763019	DITCH	CHENOWETH RUN	PROPERTY SERVICE CONNECTION DAMAGED	STRUCTURAL FAILURE	1047862	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1047858 - REPAIRED THE PROPERTY SERVICE CONNECTION
MORRIS FORMAN	KY0022411	1726 FRASER DR	04/24/10 7:30: PM	04/24/10 08:30 PM	7,297 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1060066	CISCLN WO # 1060449	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1726 FRASER DR	05/01/10 7:45: AM	05/05/10 09:15 PM	1,130,968 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062229	DISCLN WO# 1068962	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1418 TREVILIAN WAY	05/01/10 8:45: AM	05/03/10 10:49 AM	72,000 GAL	Sewer Manhole	51594	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062230	DISCLN WO# 1065346	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4119 LEE AVE	05/01/10 8:55: AM	05/11/10 12:41 PM	573,120 GAL	Sewer Manhole	104231	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062231	DISCLN WO#1065336	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	05/01/10 10:10: AM	05/01/10 10:14 AM	1,000 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	OVERFILLED AERATION TANKS 5, 6, 7 TRYING TO OPTIMIZE FLOW.	BYPASS AT WQTC	1062156	CONTRACTOR CLEANED & SANITIZED	SHUT OFF 4TH PUMP, REDUCING FLOW
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	05/01/10 10:21: AM	05/03/10 11:23 PM	7,661,762 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	BLENDED AT JTOWN WQTC	1062157	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVELS	NEGOTIATIONS UNDERWAY TO ALLOW TEMPORARY BLENDED AT THIS LOCATION.
MORRIS FORMAN	KY0022411	3246 RADIANCE RD	05/01/10 12:05: PM	05/06/10 08:30 AM	9,894,300 GAL	Sewer Lift Station	MSD0012-PS	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA.	LACK OF SYSTEM CAPACITY	1062177	PIPE DISCHARGE SUBMERGED- NO CLEANUP	THIS LOCATION IS IN THE INTERIM SANITARY SEWER PLAN
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	05/01/10 12:28: PM	05/01/10 02:23 PM	41,944 GAL	Sewer Treatment Plant	MSD0263	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	BYPASS AT WQTC	1062181	NO DEBRIS OBSERVED	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	4200 LEE AVE	05/02/10 5:30: AM	05/11/10 12:45 PM	144,000 GAL	Sewer Manhole	51301	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062584	DISCLN WO# 1065189	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED N DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4103 LEE AVE	05/02/10 5:35: AM	05/11/10 12:43 PM	36,000 GAL	Sewer Manhole	104223	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062583	DISCLN WO# 1065201	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1635 BELMAR DR	05/02/10 5:45: AM	05/11/10 12:28 PM	77,760 GAL	Sewer Manhole	44396	GROUND	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1065357	DISCLN WO# 1065366	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	05/02/10 6:11: AM	05/04/10 07:56 AM	2,772,175 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - RAIN EVENT	LACK OF SYSTEM CAPACITY	1062325	PIPE DISCHARGE SUBMERGED - CLEAN UP NOT REQUIRED	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	4302 SHELBYVILLE RD	05/02/10 6:12: AM	05/04/10 01:09 PM	5,385,400 GAL	Sewer Manhole	21101	DITCH	UPPER SINKING FORK	LACK OF SYSTEM CAPACITY	PUMPED OVERFLOW	1062244	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	05/02/10 6:24: AM	05/04/10 11:31 AM	17,873,159 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - RAIN EVENT	LACK OF SYSTEM CAPACITY	1062322	NO CLEAN UP REQUIRED DUE TO MAGNITUDE OF STORM	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3015 BOAIRES LN	05/02/10 6:28: AM	05/03/10 11:15 PM	4,329,500 GAL	Sewer Manhole	18483	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	1062267	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
DEREK R. GUTHRIE	KY0078956	9114 CINDERELLA LN	05/02/10 6:31: AM	05/03/10 04:00 AM	32,225 GAL	Sewer Manhole	102339	GROUND	FISHPOOL CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062294	MSD CLEANED, RAKED, LIMED & BAGGED DEBRIS	HAULED TO PREVENT FURTHER OVERFLOW #1062361
MORRIS FORMAN	KY0022411	3107 DELL BROOKE AVE	05/02/10 6:34: AM	05/04/10 09:15 AM	5,119,600 GAL	Sewer Manhole	18471	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	1062269	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	3540 RAMONA AVE	05/02/10 6:38: AM	05/03/10 04:00 PM	1,901,900 GAL	Sewer Manhole	18505	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT.	PUMPED OVERFLOW	1062265	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN MSD'S CAPITAL PLAN ABATEMENT
DEREK R. GUTHRIE	KY0078956	9317 LANTANA DR	05/02/10 6:40: AM	05/03/10 02:00 AM	29,000 GAL	Sewer Lift Station	MSD0101-PS	DITCH	PENNSYLVANIA RUN	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062295	MSD CLEANED, RAKED & LIMED	HAULED TO PREVENT FURTHER OVERFLOW #1062158
MORRIS FORMAN	KY0022411	3101 WEDGEWOOD WAY	05/02/10 6:43: AM	05/03/10 06:00 PM	2,011,100 GAL	Sewer Manhole	18595	DITCH	WEDGEWOOD DITCH	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	1062245	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
DEREK R. GUTHRIE	KY0078956	7201 OUTER LOOP	05/02/10 7:03: AM	05/02/10 09:55 PM	22,300 GAL	Sewer Lift Station	MSD0180-PS	DITCH	PENNSYLVANIA RUN	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062274	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR.
MORRIS FORMAN	KY0022411	100 STONEHENGE DR	05/02/10 7:03: AM	05/03/10 06:45 PM	3,962,700 GAL	Sewer Manhole	21156	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	1062240	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN

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MORRIS FORMAN	KY0022411	8409 SABERDEE DR	05/02/10 7:05: AM	05/03/10 12:10 AM	51,250 GAL	Sewer Manhole	43472	DITCH	GOOSE CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062270	MSD CLEANED & SANITIZED THE AREA	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	4313 PRUITT CT	05/02/10 7:10: AM	05/03/10 02:30 PM	16,500 GAL	Sewer Manhole	08427	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062548	DISCLN WO# 1064307	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3450 GLENVIEW AVE	05/02/10 7:20: AM	05/03/10 04:45 AM	31,500 GAL	Sewer Lift Station	MSD0183-PS	DITCH	OHIO RIVER	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062259	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	4341 PRUITT CT	05/02/10 7:22: AM	05/03/10 12:00 PM	59,500 GAL	Sewer Manhole	08430	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062549	DISCLN WO# 1064320	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3303 TROUT CREEK DR	05/02/10 7:27: AM	05/03/10 10:38 AM	144,000 GAL	Sewer Service Line	BU05091039	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1063199	DISCLN WO# 1065279	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	7404 ARROWWOOD RD	05/02/10 7:31: AM	05/03/10 05:00 PM	45,000 GAL	Sewer Manhole	21628-W	DITCH	GOOSE CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062268	MSD CLEANED & SANITIZED THE AREA	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	3305 BENT CREEK CT	05/02/10 7:40: AM	05/03/10 11:02 AM	144,000 GAL	Sewer Service Line	BU05074039	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1063203	NO CLEANUP NEEDED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3420 FOUNTAIN DR	05/02/10 7:43: AM	05/03/10 06:47 AM	61,000 GAL	Sewer Manhole	30680	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062555	DISCLN WO# 1064378	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	3434 FERN LEA RD	05/02/10 7:45: AM	05/02/10 07:30 PM	216,000 GAL	Sewer Lift Station	MSD0047-PS	CATCH BASIN	MILL CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	PUMPED OVERFLOW	1062349	MSD CLEANED & SANITIZED THE AREA	SET UP TRASH PUMPS TO PREVENT HOMES FROM FLOODING
MORRIS FORMAN	KY0022411	3401 FOUNTAIN DR	05/02/10 7:45: AM	05/03/10 06:48 AM	27,000 GAL	Sewer Manhole	30681	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062550	NO CLEANUP NEEDED DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3603 BARDSTOWN RD	05/02/10 7:50: AM	05/03/10 12:08 PM	250 GAL	Sewer Manhole	49672	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062557	NONE NEEDED DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3305 INDIAN CREEK CT	05/02/10 7:59: AM	05/04/10 07:00 AM	288,000 GAL	Sewer Manhole	51160	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062585	DISCLN WO# 1065173	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	6615 MOORMAN RD	05/02/10 8:00: AM	05/03/10 08:00 AM	1,000 GAL	Sewer Manhole	22370	GROUND	MILL CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1064523	MSD CLEANED UP DISCHARGE WITHOUT SERVICE REQUEST. JOHN KESSEL SUPERVISOR	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	10000 PLAUDIT WAY	05/02/10 8:00: AM	05/03/10 08:00 AM	1,000 GAL	Sewer Manhole	22385	STREAM	BLACK POND CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1064521	MSD PERFORMED CLEANUP WITHOUT A SERVICE REQUEST. JOHN KESSEL-SUPERVISOR	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	6112 COOPER CHAPEL RD	05/02/10 8:00: AM	05/03/10 01:00 AM	45,900 GAL	Sewer Manhole	25480	GROUND	FISHPOOL CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062777	RAKED, LIMED & BAGGED DEBRIS	HAULING STATION TO PREVENT FURTHER DISCHARGE. #1062166
DEREK R. GUTHRIE	KY0078956	6806 W ORELL RD	05/02/10 8:00: AM	05/03/10 08:00 AM	1,000 GAL	Sewer Manhole	32688	GROUND	MILL CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1064525	MSD CLEANED UP AREA WITHOUT SERVICE REQUEST. JOHN KESSEL-SUPERVISOR	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	9801 EVENING STAR DR	05/02/10 8:00: AM	05/03/10 08:00 AM	1,000 GAL	Sewer Manhole	59169	GROUND	MILL CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1064520	MSD CLEANED AREA WITHOUT A SERVICE REQUEST. JOHN KESSEL-SUPERVISOR	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	5006 LEA ANN WAY	05/02/10 8:00: AM	05/03/10 05:40 AM	2,720,000 GAL	Sewer Lift Station	MSD1010-PS	STREAM	NORTHERN DITCH	LACK OF CAPACITY DUE TO RAIN EVENT IN TEH AREA	PUMPED OVERFLOW	1062383	MSD CLEANED & SANITIZED THE AREA	SET UP TRASH PUMPS UNTIL WATER LEVEL DECREASED

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MORRIS FORMAN	KY0022411	2201 GERALD CT	05/02/10 8:03: AM	05/03/10 12:10 PM	64,000 GAL	Sewer Manhole	18298	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062559	DISCLN WO# 1064400	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	2601 PIONEER RD	05/02/10 8:05: AM	05/02/10 10:00 PM	217,500 GAL	Sewer Manhole	81814-W	DITCH	MILL CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	PUMPED OVERFLOW	1062345	MSD CLEANED & SANITIZED THE AREA	SET UP TRASH PUMPS TO PREVENT HOMES FROM FLOODING
MORRIS FORMAN	KY0022411	3733 CANOE LN	05/02/10 8:05: AM	05/02/10 06:27 PM	6,220 GAL	Sewer Manhole	24152-W	STREAM	MUDDY FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062261	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	2201 GERALD CT	05/02/10 8:05: AM	05/03/10 06:56 AM	24,000 GAL	Sewer Manhole	48885	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062561	NONE NEEDED DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	2240 LIVERPOOL LN	05/02/10 8:08: AM	05/03/10 06:58 AM	41,000 GAL	Sewer Manhole	18302	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062562	NONE NEEDED DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
CEDAR CREEK	KY0098540	8605 CEDAR CREEK RD	05/02/10 8:10: AM	05/02/10 08:50 AM	94,088 GAL	Sewer Treatment Plant	MSD0289	GROUND	CEDAR CREEK	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	BYPASS AT WQTC	1062266	MSD CLEANED & SANITIZED THE AREA	OPEN UP MANUAL SAND FILTER GATE & PUT OLD OXIDATION DITCH IN SEVICE
MORRIS FORMAN	KY0022411	1701 SONNE AVE	05/02/10 8:20: AM	05/02/10 06:45 PM	187,500 GAL	Sewer Lift Station	MSD0042-PS	GROUND	PADDY RUN	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	PUMPED OVERFLOW	1062352	MSD CLEANED & SANITIZED THE AREA	SET UP TRASH PUMPS TO PREVENT HOMES FROM FLOODING
JEFFERSONTOWN	KY0025194	3258 RUCKRIEGEL PKY	05/02/10 8:24: AM	05/03/10 09:15 AM	24,000 GAL	Sewer Manhole	28173	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062330	DISCLN WO# 1065104	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3715 BRIARBRIDGE LN	05/02/10 8:31: AM	05/03/10 07:05 AM	23,000 GAL	Sewer Manhole	26650	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062563	NONE NEEDED DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3703 ALCONA LN	05/02/10 8:36: AM	05/11/10 07:11 AM	110,000 GAL	Sewer Manhole	25676	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062568	DISCLN WO# 1064282	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	3200 RUCKRIEGEL PKY	05/02/10 8:42: AM	05/03/10 09:18 AM	64,000 GAL	Sewer Manhole	64505	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062390	DISCLN WO# 1065113	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	7410 STEEPCREST CIR	05/02/10 8:45: AM	05/03/10 10:20 AM	21,000 GAL	Sewer Manhole	47596	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY- HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062586	NO CLEANUP NECESSARY DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	2500 WYETH CT	05/02/10 8:55: AM	05/03/10 07:21 AM	72,000 GAL	Sewer Manhole	49513	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1065375	DISCLN WO# 1065384	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	202 OXMOOR LN	05/02/10 9:03: AM	05/03/10 01:55 PM	125,000 GAL	Sewer Manhole	47583	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062598	NONE NEED-VERY REMOTE LOCATION	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	3501 MARLIN DR	05/02/10 9:15: AM	05/03/10 08:21 AM	10,000 GAL	Sewer Manhole	28416	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062396	NO CLEANUP NEEDED DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	3506 DELL RD	05/02/10 9:15: AM	05/03/10 08:20 AM	9,500 GAL	Sewer Manhole	28417	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062394	NO CLEANUP NEEDED DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	7900 SHELBYVILLE RD	05/02/10 9:20: AM	05/03/10 01:45 PM	31,000 GAL	Sewer Manhole	02935	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062597	NONE NEEDED DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	7900 SHELBYVILLE RD	05/02/10 9:24: AM	05/03/10 01:45 PM	54,000 GAL	Sewer Manhole	02933	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062595	DISCLN WO# 1063665	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	8021 CHRISTIAN CT	05/02/10 9:25: AM	05/03/10 09:28 AM	29,000 GAL	Sewer Manhole	02932	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062594	NO CLEANUP NEEDED DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	2120 INDIAN HILLS TRL	05/02/10 9:30: AM	05/03/10 08:00 PM	51,750 GAL	Sewer Manhole	40871	DITCH	MUDDY FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062289	NO DEBRIS	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	2105 INDIAN HILLS TRL	05/02/10 9:30: AM	05/03/10 08:00 PM	103,500 GAL	Sewer Manhole	40872	GROUND	MUDDY FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062272	NO DEBRIS	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	8021 CHRISTIAN CT	05/02/10 9:30: AM	05/03/10 09:30 AM	31,000 GAL	Sewer Manhole	90700	CATCH BASIN	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062593	NO CLEANUP NEEDED DUE TO MAGNITUDE	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	3506 CHARLANE PKY	05/02/10 9:31: AM	05/03/10 08:28 AM	17,742 GAL	Sewer Manhole	28250	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062416	DISCLN WO# 1064544	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	8021 CHRISTIAN CT	05/02/10 9:35: AM	05/03/10 09:19 AM	136,000 GAL	Sewer Manhole	47593	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062592	DISCLN WO# 1063615	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	7801 EDSEL LN	05/02/10 9:40: AM	05/03/10 07:35 AM	78,900 GAL	Sewer Manhole	92099	GROUND	FERN CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062324	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
CEDAR CREEK	KY0098540	6711 MONTY LN	05/02/10 9:40: AM	05/03/10 07:35 AM	78,900 GAL	Sewer Manhole	95098	GROUND	CEDAR CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062323	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
JEFFERSONTOWN	KY0025194	3406 CHARLANE PKY	05/02/10 9:42: AM	05/03/10 08:27 AM	45,000 GAL	Sewer Manhole	28451	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062418	DISCLN WO# 1065027	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	8016 SHELBYVILLE RD	05/02/10 9:47: AM	05/03/10 09:15 AM	29,500 GAL	Sewer Manhole	47604	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062591	DISCLN WO# 1063532	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	3500 ST EDWARDS DR	05/02/10 9:50: AM	05/03/10 08:29 AM	27,000 GAL	Sewer Manhole	28249	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062420	DISCLN WO# 1065034	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4640 BARBOUR LN	05/02/10 10:00: AM	05/02/10 07:20 PM	112,000 GAL	Sewer Manhole	65633	STREAM	LITTLE GOOSE CREEK	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062314	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
JEFFERSONTOWN	KY0025194	3620 CHARLANE PKY	05/02/10 10:06: AM	05/03/10 08:40 AM	21,000 GAL	Sewer Manhole	28340	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062421	DISCLN WO# 1065043	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	9 MUIRFIELD PL	05/02/10 10:07: AM	05/03/10 10:09 AM	27,000 GAL	Sewer Manhole	01793	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062590	NO CLEANUP NECESSARY DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	9707 WILLOWWOOD WAY	05/02/10 10:09: AM	05/03/10 08:50 AM	49,000 GAL	Sewer Manhole	28336	DITCH	CHENOWETH RUN	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062423	DISCLN WO# 1065069	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	2901 LIVINGSTON AVE	05/02/10 10:22: AM	05/03/10 09:00 AM	49,000 GAL	Sewer Manhole	28395	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062426	DISCLN WO# 1065081	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
HITE CREEK	KY0022420	7510 MEADOW STREAM CT	05/02/10 10:30: AM	05/03/10 06:20 AM	21,000 GAL	Sewer Manhole	91087	STREAM	SOUTH FORK HARRODS CREEK	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062317	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
JEFFERSONTOWN	KY0025194	10020 MERIONETH DR	05/02/10 10:43: AM	05/03/10 08:10 AM	19,000 GAL	Sewer Manhole	28391	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062428	NONE NEED DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	4307 PRUITT CT	05/02/10 11:07: AM	05/03/10 06:34 AM	100 GAL	Sewer Service Line	85065	GROUND	BUECHEL BRANCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1063161	NO CLEANUP NEEDED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4319 PRUITT CT	05/02/10 11:17: AM	05/03/10 06:35 AM	350 GAL	Sewer Service Line	85076	GROUND	BUECHEL BRANCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1063150	DISCLN WO# 1065328	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4341 PRUITT CT	05/02/10 11:25: AM	05/03/10 06:39 AM	100 GAL	Sewer Service Line	85052D	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1063162	NO CLEANUP NEEDED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4345 PRUITT CT	05/02/10 11:25: AM	05/03/10 06:40 AM	100 GAL	Sewer Service Line	85055	GROUND	BUECHEL BRANCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1063144	NO CLEANUP NEEDED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4912 DELAWARE DR	05/02/10 11:37: AM	05/03/10 06:42 AM	97,000 GAL	Sewer Manhole	18654	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062606	DISCLN WO# 1065301	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3623 BARDSTOWN RD	05/02/10 11:57: AM	05/03/10 06:53 AM	2,900 GAL	Sewer Manhole	49673	CATCH BASIN	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062604	NO CLEANUP NEEDED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	804 N ARBOR DR	05/02/10 12:00: PM	05/03/10 05:00 PM	43,500 GAL	Sewer Manhole	00056-W	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062358	MSD CLEANED & SANITIZED THE AREA	HAULED TO PREVENT FURTHER DISCHARGE #1062327
MORRIS FORMAN	KY0022411	1012 ALTA CIR	05/02/10 12:02: PM	05/04/10 01:15 PM	175,000 GAL	Sewer Manhole	27005	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062599	DISCLN WO# 1065130	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1132 ROSTREVOR CIR	05/02/10 12:02: PM	05/10/10 07:15 AM	197,000 GAL	Sewer Manhole	45835	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062601	DISCLN WO# 1065143	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3317 BROWNSBORO RD	05/02/10 12:15: PM	05/04/10 12:10 PM	97,000 GAL	Sewer Manhole	26752	DITCH	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062589	NO CLEANUP REQUIRED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	300 MOCKINGBIRD VALLEY RD	05/02/10 12:21: PM	05/04/10 12:12 PM	57,000 GAL	Sewer Manhole	41374	DITCH	MUDDY FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062588	NO CLEANUP REQUIRED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3618 KLONDIKE LN	05/02/10 12:34: PM	05/03/10 07:07 AM	210,000 GAL	Sewer Manhole	26651	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062607	DISCLN WO# 1065384	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3417 BENNETT LN	05/02/10 12:50: PM	05/02/10 09:23 PM	13,450,000 GAL	Sewer Manhole	08537	STREAM	GREASY DITCH	LACK OF SYSTEM CAPACITY - RAIN EVENT	LACK OF SYSTEM CAPACITY	1062533	NO CLEAN UP REQUIRED DUE TO MAGNITUDE OF STORM	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN
DEREK R. GUTHRIE	KY0078956	6707 W ORELL RD	05/02/10 1:35: PM	05/03/10 01:35 PM	1,300 GAL	Sewer Manhole	32682	STREAM	ALVEY DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062535	NO CLEANUP NEEDED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	11804 CHIPPEWA RIDGE LN	05/02/10 2:00: PM	05/03/10 12:05 AM	90,750 GAL	Sewer Manhole	92061	GROUND	CHENOWETH RUN	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	PUMPED OVERFLOW	1062567	MSD CLEANED & SANITIZED THE AREA	SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED AND EVALUATED FOR REPAIR.
MORRIS FORMAN	KY0022411	7800 WESTPORT RD	05/02/10 2:00: PM	05/03/10 03:26 AM	279,240 GAL	Sewer Lift Station	MSD0185-PS	GROUND	GOOSE CREEK	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	PUMPED OVERFLOW	1062467	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	2515 WOODSIDE RD	05/02/10 2:15: PM	05/02/10 10:20 PM	84,000 GAL	Sewer Manhole	91781	GROUND	LONGVIEW CREEK	LACK OF CAPACITY DUE TO RAIN EVNT IN THE AREA	LACK OF SYSTEM CAPACITY	1062436	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	501 MOCKINGBIRD VALLEY RD	05/02/10 2:23: PM	05/03/10 06:30 PM	81,000 GAL	Sewer Lift Station	MSD0023-PS	STREAM	MUDDY FORK BEARGRASS CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	LACK OF SYSTEM CAPACITY	1062486	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
DEREK R. GUTHRIE	KY0078956	6302 HANSES DR	05/02/10 2:30: PM	05/03/10 01:00 AM	12,600 GAL	Sewer Service Line	063301000000 A	GROUND	BLUE SPRING DITCH	LACK OF SYSTEM CAPACITY - RAIN EVENT	LACK OF SYSTEM CAPACITY	1062892	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	RAIN SUBSIDED
DEREK R. GUTHRIE	KY0078956	6317 HANSES DR	05/02/10 2:30: PM	05/03/10 12:30 AM	12,000 GAL	Sewer Service Line	063301020000 A	GROUND	BLUE SPRING DITCH	LACK OF SYSTEM CAPACITY - RAIN	LACK OF SYSTEM CAPACITY	1062917	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	RAIN SUBSIDED
DEREK R. GUTHRIE	KY0078956	6300 HANSES DR	05/02/10 2:30: PM	05/02/10 09:30 PM	21,000 GAL	Sewer Manhole	54615	GROUND	BLUE SPRING DITCH	LACK OF SYSTEM CAPACITY - RAIN	LACK OF SYSTEM CAPACITY	1062950	DISCLN WORK ORDER #1062522	RAIN SUBSIDED
DEREK R. GUTHRIE	KY0078956	6308 HANSES DR	05/02/10 2:30: PM	05/02/10 09:00 PM	19,500 GAL	Sewer Manhole	79076	GROUND	BLUE SPRING DITCH	LACK OF SYSTEM CAPACITY - HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062955	DISCLN WORK ORDER #1063075	WATER RECEDED
MORRIS FORMAN	KY0022411	3536 FINCASTLE RD	05/02/10 2:37: PM	05/03/10 10:44 AM	4,320 GAL	Sewer Manhole	99259	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062537	NO CLEANUP NEEDED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
DEREK R. GUTHRIE	KY0078956	6926 SANDSTONE BLVD	05/02/10 2:45: PM	05/02/10 09:15 PM	5,400 GAL	Sewer Service Line	PB17665019	GROUND	FERN CREEK	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062961	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	RAIN SUBSIDED
CEDAR CREEK	KY0098540	7906 GAINSBOROUGH CT	05/02/10 3:00: PM	05/02/10 09:43 PM	40,300 GAL	Sewer Manhole	67997	STREAM	LITTLE CEDAR CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062872	DISCLN WORK ORDER #1063076	RAIN RECEDED
CHENOWETH RUN	KY0042226	14000 BECKLEY TRCE	05/02/10 3:00: PM	05/03/10 12:30 AM	94,500 GAL	Sewer Treatment Plant	MSD0403	GROUND	CHENOWETH RUN	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	BYPASS AT WQTC	1062502	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
DEREK R. GUTHRIE	KY0078956	6810 SANDSTONE BLVD	05/02/10 3:20: PM	05/02/10 11:00 PM	23,000 GAL	Sewer Manhole	29948	GROUND	FERN CREEK	LACK OF SYSTEM CAPACITY- HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062870	DISCLN WORK ORDER #1063086	RAIN SUBSIDED
DEREK R. GUTHRIE	KY0078956	6808 SANDSTONE BLVD	05/02/10 3:22: PM	05/02/10 11:02 PM	23,000 GAL	Sewer Manhole	31073	DITCH	FERN CREEK	LACK OF SYSTEM CAPACITY - RAIN	LACK OF SYSTEM CAPACITY	1062894	DISCLN WORK ORDER #1062519	RAIN SUBSIDED
DEREK R. GUTHRIE	KY0078956	6808 SANDSTONE BLVD	05/02/10 3:23: PM	05/02/10 11:04 PM	23,050 GAL	Sewer Manhole	31074	DITCH	FERN CREEK	LACK OF SYSTEM CAPACITY - RAIN	LACK OF SYSTEM CAPACITY	1062903	DISCLN WORK ORDER #1063090	RAIN SUBSIDED
CEDAR CREEK	KY0098540	7904 SHAW CT	05/02/10 3:30: PM	05/02/10 06:20 PM	5,750 GAL	Sewer Manhole	67999	STREAM	LITTLE CEDAR CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN	LACK OF SYSTEM CAPACITY	1063169	DISCLN WORK ORDER #1063195	WATER RECEDED
DEREK R. GUTHRIE	KY0078956	5205 RONWOOD DR	05/02/10 3:42: PM	05/02/10 07:35 PM	23,000 GAL	Sewer Manhole	19360	GROUND	NORTHERN DITCH	LACK OF SYSTEM CAPACITY - RAIN	LACK OF SYSTEM CAPACITY	1062925	DISCLN WORK ORDER #1063095	RAIN SUBSIDED
DEREK R. GUTHRIE	KY0078956	5301 LAYNE RD	05/02/10 3:44: PM	05/02/10 07:40 PM	12,000 GAL	Sewer Manhole	19369	GROUND	SOUTHERN DITCH	LACK OF SYSTEM CAPACITY - RAIN	LACK OF SYSTEM CAPACITY	1062938	DISCLN WORK ORDER #1063099	RAIN SUBSIDED
YORKTOWN	KY0036323	7418 YORKTOWN RD	05/02/10 3:45: PM	05/03/10 05:40 AM	54,600 GAL	Sewer Treatment Plant	MSD0271	DITCH	NORTHERN DITCH	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	BYPASS AT WQTC	1062532	MSD CLEANED & SANITIZED THE AREA	CREEK LEVEL DECREASED
CHENOWETH RUN	KY0042226	14000 BECKLEY TRCE	05/02/10 3:45: PM	05/03/10 09:45 PM	540,000 GAL	Sewer Treatment Plant	MSD0403	GROUND	CHENOWETH RUN	WASTE LEVEL OVERTOPPING CATCH BASIN	BYPASS AT WQTC	1062505	NO DEBRIS	POND LEVEL WAS LOWERED TO PREVENT OVERTOPPING BASIN.
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	05/02/10 3:58: PM	05/03/10 08:15 AM	9,770 GAL	Sewer Treatment Plant	MSD0263	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY DUE TO RAIN EVEN IN THE AREA	BYPASS AT WQTC	1062496	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	05/02/10 3:58: PM	05/03/10 08:15 AM	97,700 GAL	Sewer Treatment Plant	MSD0263	STREAM	CHENOWETH RUN	LACK OF CAPACITY DUE TO STORM EVENT IN THE AREA	BYPASS AT WQTC	1062499	MSD CLEANED & SANITIZED THE AREA	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR

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JEFFERSONTOWN	KY0025194	3406 DELL RD	05/02/10 4:17: PM	05/03/10 08:22 AM	3,100 GAL	Sewer Manhole	28415	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062539	NO CLEANUP NEEDED DUE TO MAGNITUDE OF STORM	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
CEDAR CREEK	KY0098540	9517 PLUMWOOD RD	05/02/10 4:31: PM	05/02/10 05:30 PM	1,475 GAL	Sewer Manhole	63094	STREAM	CEDAR CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062921	DISCLN WORK ORDER #1063079	WATER RECEDED
CEDAR CREEK	KY0098540	5600 HOFELICH CT	05/02/10 4:35: PM	05/02/10 05:35 PM	1,500 GAL	Sewer Manhole	70158	GROUND	CEDAR CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062940	DISCLN WORK ORDER #1063081	WATER RECEDED
CEDAR CREEK	KY0098540	9300 HAYES AVE	05/02/10 4:45: PM	05/02/10 06:48 PM	4,575 GAL	Sewer Manhole	63095	STREAM	CEDAR CREEK	LACK OF SYSTEM CAPACITY - HEAVY RAIN	LACK OF SYSTEM CAPACITY	1062907	DISCLN WORK ORDER #1063077	WATER RECEDED
CEDAR CREEK	KY0098540	8809 CEDAR CREEK RD	05/02/10 5:45: PM	05/03/10 03:25 AM	87,000 GAL	Sewer Manhole	98024	GROUND	CEDAR CREEK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA. PUMP STATION SURCHARGED	LACK OF SYSTEM CAPACITY	1062530	MSD CLEANED & SANITIZED THE AREA	ADDED MORE INFLUENT PUMPS AT CEDAR CREEK
DEREK R. GUTHRIE	KY0078956	6921 SHEPHERDSVILLE RD	05/02/10 6:00: PM	05/02/10 10:00 PM	24,000 GAL	Sewer Manhole	87310	DITCH	FERN CREEK	LACK OF SYSTEM CAPACITY - RAIN	LACK OF SYSTEM CAPACITY	1063008	DISCLN WORK ORDER #1063107	RAIN SUBSIDED
MORRIS FORMAN	KY0022411	207 BRUNSWICK RD	05/02/10 6:40: PM	05/03/10 12:35 PM	1,600,000 GAL	Sewer Manhole	21089	CATCH BASIN	UPPER SINKING FORK	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	1062610	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	4432 CORDOVA RD	05/02/10 7:36: PM	05/02/10 10:35 PM	170,000 GAL	Sewer Manhole	21061	CATCH BASIN	UPPER SINKING FORK	FLOODING DURING A SIGNIFICANT RAIN EVENT	PUMPED OVERFLOW	1062614	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN
MORRIS FORMAN	KY0022411	901 FALGATE CT	05/02/10 8:22: PM	05/03/10 09:15 AM	1,692,900 GAL	Sewer Manhole	21506	CATCH BASIN	MUDDY FORK BEARGRASS CREEK	PUMPS SET TO ALLEVIATE PROPERTY DAMAGE AND BASEMENT FLOODING DUE TO WET WEATHER.	PUMPED OVERFLOW	1062621	MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT
STARVIEW	KY0031712	423 BERMUDA WAY	05/02/10 10:00: PM	05/03/10 12:45 AM	1,650 GAL	Sewer Treatment Plant	MSD0247	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	BYPASS AT WQTC	1063005	MSD CLEANED & SANITIZED THE AREA AND SPREAD LIME	THIS SITE FOUND DURING RAIN EVENT RECON; WILL BE MONITORED & EVALUATED FOR REPAIR
BERRYTOWN	KY0036501	1203 HEAFER RD	05/02/10 10:30: PM	05/03/10 08:45 PM	26,700 GAL	Sewer Treatment Plant	MSD0209	STREAM	FLOYDS FORK	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	BYPASS AT WQTC	1062832	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	4317 PRUITT CT	05/03/10 11:15: AM	05/04/10 06:36 AM	100 GAL	Sewer Service Line	85075	GROUND	BUECHEL BRANCH	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063152	NO CLEANUP NEEDED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
HITE CREEK	KY0022420	3651 COLLINS LN	05/03/10 1:45: PM	05/03/10 03:00 PM	75 GAL	Sewer Manhole	22117	STREAM	HITE CREEK	OBSTRUCTION IN MSD MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1063367	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1063368 - FLUSHED AND OPENED THE MAIN SEWER
MORRIS FORMAN	KY0022411	1800 NIGHTINGALE RD	05/08/10 12:04: AM	05/08/10 12:47 AM	22,147 GAL	Sewer Manhole	CSO018	STREAM	SOUTH FORK BEARGRASS CREEK	#1 PUMP WAS AIRLOCKED.	MECHANICAL FAILURE	1068824	PIPE DISCHARGE SUBMERGED- NO CLEANUP	MANUALLY BLED AIR OFF PUMP & PUMP BEGAN PUMPING AGAIN
TIMBERLAKE	KY0043087	7 HARRODS LANDING DR	05/11/10 10:20: AM	05/11/10 10:40 AM	3,500 GAL	Sewer Manhole	45559	GROUND	HARRODS CREEK	POOL COMPANY OPENED MANHOLE TO EMPTY POOL CAUSING DISCHARGE	UTILITY DAMAGED MSD ASSET	1069608	POOL COMPANY CLEANED AREA	STOPPED POOL COMPANY AND HAULED STATION TILL HIGH WET WELL CLEARED
TIMBERLAKE	KY0043087	3001 HARRODS LANDING DR	05/11/10 10:20: AM	05/11/10 10:40 AM	3,500 GAL	Sewer Manhole	45571	GROUND	HARRODS CREEK	POOL COMPANY OPENED MANHOLE TO EMPTY POOL CAUSING DISCHARGE	UTILITY DAMAGED MSD ASSET	1069605	POOL COMPANY IS CLEANING AREA	STOPPED POOL COMPANY FROM DISCHARGEING AND HAULED STATION TILL HIGH WET WELL CLEARED
MORRIS FORMAN	KY0022411	1726 FRASER DR	05/12/10 11:15: AM	05/13/10 10:24 PM	1,000 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1071641	DISCLN WO# 1071646	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31 2008
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	05/12/10 11:16: AM	05/12/10 11:37 AM	1,873 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - RAIN	LACK OF SYSTEM CAPACITY	1071665	NO CLEANUP AT THIS LOCATION - PIPE DISCHARGES DIRECTLY TO STREAM, NO ACCESS.	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP SUBMITTED DECEMBER 2008.

APPENDIX B-1
UNAUTHORIZED DISCHARGES
TO WATERS OF UNITED STATES
JULY 1, 2009 THROUGH JUNE 30, 2010

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	4119 LEE AVE	05/12/10 11:20: AM	05/14/10 09:11 AM	1,300 GAL	Sewer Manhole	104231	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1071777	DISCLN WO# 1071781	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	5506 HEMPSTEAD RD	05/17/10 8:39: PM	05/17/10 09:37 PM	65 GAL	Sewer Manhole	78607	DITCH	LONGVIEW CREEK	ROOT BLOCKAGE IN MAIN SEWER	ROOTS	1078254	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1078261 - FLUSHED THE MANHOLE ROOT CUT MAIN SEWER
JEFFERSONTOWN	KY0025194	3258 RUCKRIEGEL PKY	05/21/10 9:02: AM	05/21/10 09:17 PM	50 GAL	Sewer Manhole	28173	GROUND	CHENOWETH RUN	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1081890	NO CLEAN-UP NEEDED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4200 LEE AVE	05/21/10 9:35: AM	05/25/10 06:11 AM	9,000 GAL	Sewer Manhole	51301	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1081894	DISCLN WO# 1082030	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	4119 LEE AVE	05/21/10 2:42: PM	05/25/10 04:21 PM	105,000 GAL	Sewer Manhole	104231	GROUND	CAMP TAYLOR DITCH	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1081892	DISCLN WO# 1082057	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1418 TREVILIAN WAY	05/21/10 7:24: PM	05/25/10 12:00 PM	9,000 GAL	Sewer Manhole	51594	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1081895	DISCLN WO# 3711111	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	1001 BRECKENRIDGE LN	05/21/10 9:04: PM	05/21/10 09:12 PM	456 GAL	Sewer Manhole	08935-SM	STREAM	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - RAIN EVENT	LACK OF SYSTEM CAPACITY	1081887	NO CLEAN UP REQUIRED	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	05/21/10 9:10: PM	05/22/10 12:10 AM	279,825 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - RAIN EVENT	LACK OF SYSTEM CAPACITY	1081888	NO CLEAN UP REQUIRED	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTERIM SSDP
MORRIS FORMAN	KY0022411	1726 FRASER DR	05/21/10 9:15: PM	05/22/10 09:15 PM	200,493 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1081889	DISCLN WO# 1082002	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3246 RADIANCE RD	05/21/10 9:20: PM	05/22/10 09:01 PM	538,200 GAL	Sewer Lift Station	MSD0012-PS	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT	LACK OF SYSTEM CAPACITY	1081844	PIPE DISCHARGE SUBMERGED NO CLEAN UP	THIS LOCATION IS IN THE INTERIM SANITARY SEWER PLAN
MORRIS FORMAN	KY0022411	4119 LEE AVE	05/21/10 9:27: PM	05/25/10 04:23 PM	4,500 GAL	Sewer Manhole	13943	GROUND	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1081893	DISCLN WO# 1082017	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	05/21/10 9:40: PM	05/22/10 02:08 AM	253,859 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT	BLENDING AT JTOWN WQTC	1081848	CLEAN UP NOT POSSIBLE DUE TO HIGH CREEK LEVEL	NEGOTIATIONS UNDER WAY TO ALLOW TEMPORARY BENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	11600 DIODE CT	05/21/10 10:30: PM	05/22/10 12:15 AM	525 GAL	Sewer Lift Station	MSD1081-PS	DITCH	CHENOWETH RUN	RAIN EVENT CAUSED LGE POWER FAIL AT STATION	POWER OUTAGE (LG&E)	1081861	MSD CLEANED AND SANITIZED AREA	GENERATOR PLACED AT STATION UNTIL POWER RESTORED
MORRIS FORMAN	KY0022411	1012 ALTA CIR	05/21/10 11:41: PM	05/22/10 12:45 AM	1,500 GAL	Sewer Manhole	27005	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1081891	NONE NEEDED	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
HITE CREEK	KY0022420	5500 HITT RD	05/22/10 7:40: AM	05/22/10 07:50 AM	3,000 GAL	Sewer Treatment Plant	MSD0202	STREAM	HITE CREEK	STRUCTURAL FAILURE OF PROCESS WATER LINE	BYPASS AT WQTC	1081862	NO CLEAN UP REQUIRED POTABLE WATER LEAK ONLY	SHUT OFF PROCESS WATER PUMP UNTIL REPAIRS COMPLETED
MORRIS FORMAN	KY0022411	1201 LEXINGTON RD	06/01/10 1:23: PM	06/01/10 01:54 PM	150 GAL	Sewer Manhole	CSO153	STREAM	SOUTH FORK BEARGRASS CREEK	OBSTRUCTION IN SIPHON	OBSTRUCTION-NOT GREASE / ROOTS	1088829	PIPE DISCHARGES DIRECTLY INTO BEARGRASS CREEK	MSD PERSONNEL FLUSHED THE SIPHON TO RELIEVE OBSTRUCTION
MORRIS FORMAN	KY0022411	1726 FRASER DR	06/09/10 5:30: AM	06/09/10 02:45 PM	46,884 GAL	Sewer Manhole	16649	DITCH	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY-HEAVY RAIN	LACK OF SYSTEM CAPACITY	1093670	DISCLN WO# 1094413	THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008
MORRIS FORMAN	KY0022411	3246 RADIANCE RD	06/09/10 12:12: PM	06/09/10 04:47 PM	11,313 GAL	Sewer Lift Station	MSD0012-PS	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT	LACK OF SYSTEM CAPACITY	1093789	PIPE DISCHARGE SUBMERGED NO CLEAN UP	THIS LOCATION IS IN THE INTERIM SANITARY SEWER PLAN

APPENDIX B-1
UNAUTHORIZED DISCHARGES
TO WATERS OF UNITED STATES
JULY 1, 2009 THROUGH JUNE 30, 2010

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Facility Discharges To	Receiving Stream	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	06/09/10 12:35: PM	06/09/10 09:29 PM	786,248 GAL	Sewer Treatment Plant	MSD0255	STREAM	CHENOWETH RUN	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT	BLENDING AT JTOWN WQTC	1093777	CLEAN UP NOT POSSIBLE DUE TO HIGH CREEK LEVEL	NEGOTIATIONS UNDER WAY TO ALLOW TEMPORARY BENDING AT THIS LOCATION
MORRIS FORMAN	KY0022411	2002 MILLVALE RD	06/09/10 12:35: PM	06/09/10 02:12 PM	2,425 GAL	Sewer Manhole	45829	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - RAIN EVENT.	LACK OF SYSTEM CAPACITY	1094356	NO CLEAN UP REQUIRED.	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP.
MORRIS FORMAN	KY0022411	2167 MILLVALE RD	06/09/10 12:35: PM	06/09/10 02:12 PM	2,425 GAL	Sewer Manhole	45832	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - RAIN EVENT	LACK OF SYSTEM CAPACITY	1094352	NO CLEAN UP REQUIRED	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
MORRIS FORMAN	KY0022411	1132 ROSTREVOR CIR	06/09/10 12:35: PM	06/09/10 02:12 PM	9,700 GAL	Sewer Manhole	45835	GROUND	MIDDLE FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - RAIN EVENT	LACK OF SYSTEM CAPACITY	1094346	NO CLEAN UP REQUIRED	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP
MORRIS FORMAN	KY0022411	4600 CHAMPIONS TRACE LN	06/09/10 2:00: PM	06/10/10 12:54 AM	349,912 GAL	Sewer Manhole	72571-X	STREAM	SOUTH FORK BEARGRASS CREEK	LACK OF SYSTEM CAPACITY - RAIN EVENT.	LACK OF SYSTEM CAPACITY	1093859	NO CLEANUP REQUIRED - PIPE DISCHARGES DIRECTLY TO STREAM, UNDERWATER.	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE ISSDP.
MORRIS FORMAN	KY0022411	1316 CASTLEWOOD DELL	06/10/10 9:15: AM	06/10/10 09:15 AM	15,396 GAL	Sewer Manhole	CSO151	STREAM	SOUTH FORK BEARGRASS CREEK	CAUSE OF OVERFLOW IS UNKNOWN, IT IS BELIEVED THAT A TEMPORARY OBSTRUCTION IN THE SIPHON COULD POSSIBLY HAVE CAUSED OVERFLOW	OBSTRUCTION-NOT GREASE / ROOTS	1094528	NO CLEAN UP OCCURRED.	NO REPAIR OR REMEDIAL ACTION TAKEN.
HUNTING CREEK SOUTH	KY0029114	6530 MONTERO DR	06/14/10 7:45: AM	06/14/10 07:50 AM	50 GAL	Sewer Treatment Plant	MSD0292	STREAM	HARRODS CREEK	WHILE SKIMMING CLARIFIERS TO THE DIGESTER, THE DIGESTER OVERFLOWED.	BYPASS AT WQTC	1094894	CONTRACTING B & H TO VACTOR & CLEAN CREEK & BANK, MSD TO SANITIZE AREA	OPERATOR TURNED OFF SKIMMER TO STOP THE BYPASS.
JEFFERSONTOWN	KY0025194	9911 MERIONETH DR	06/26/10 9:31: AM	06/26/10 10:22 AM	5 GAL	Sewer Service Line	059800340000 A	GROUND	CHENOWETH RUN	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1098943	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1099377 - FLUSHED MAIN SEWER
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	06/28/10 10:30: AM	06/28/10 11:03 AM	2,268 GAL	Sewer Treatment Plant	MSD0263	STREAM	CHENOWETH RUN	CONTRACTOR BACKED INTO SULFUR DIOXIDE BLDG	BYPASS AT WQTC	1099222	NO CLEAN UP REQUIRED	MSD MADE REPAIRS TO LINE AND PUT BACK IN SERVICE
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	06/28/10 2:45: PM	06/28/10 03:10 PM	1,647 GAL	Sewer Treatment Plant	MSD0263	STREAM	CHENOWETH RUN	CONTRACTOR RAN INTO SODIUM DIOXIDE BUILDING	BYPASS AT WQTC	1099424	NOT NEEDED	MSD MADE REPAIRS TO FEED LINE AND PUT BACK IN SERVICE
MORRIS FORMAN	KY0022411	5508 HEMPSTEAD RD	06/30/10 1:30: PM	06/30/10 03:00 PM	90 GAL	Sewer Main	32519	STREAM	LONGVIEW CREEK	STRUCTURAL FAILURE OF MAIN SEWER	STRUCTURAL FAILURE	1101797	NO CLEAN UP PERFORMED- PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	TEMPORARY REPAIRS (SEALED LEAKING SPOTS WITH HYDRAULIC CEMENT) UNTIL CONTRACTOR CAN REPLACE LEAKING SECTIONS OF SEWER



APPENDIX B-2 - DISCHARGE WORK ORDERS-BYPASS



**APPENDIX B-2
BYPASS EVENTS AT WQTC'S
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
BANCROFT	KY0039021	7610 OLD ORCHARD CIR	08/17/09 11:35: AM	08/17/09 11:45 AM	250 GAL	Sewer Treatment Plant	MSD0290	MECHANICAL PROBLEM WITH CLARIFIER COLLECTOR ARM	BYPASS AT WQTC	944513	CONTRACTOR CLEANED AREA	MAINTENANCE IS REPAIRED COLLECTOR DRIVE AND HAULING TANKS TO PREVENT FURTHER DISCHARGE #944509
HITE CREEK	KY0022420	5500 HITT RD	08/29/09 7:00: AM	08/29/09 07:20 AM	25,000 GAL	Sewer Treatment Plant	MSD0202	OBSTRUCTION IN DISCHARGE LINE FROM SAND FILTER TO UV SYSTEM	BYPASS AT WQTC	948358	MSD WILL CLEAN AND SANITIZE AREA	USING PUMP AROUND FOR ADDITIONAL STORAGE UNTIL REPAIRS ARE COMPLETED
HITE CREEK	KY0022420	5500 HITT RD	08/29/09 3:17: PM	08/29/09 06:00 PM	10,000 GAL	Sewer Treatment Plant	MSD0202	OBSTRUCTION IN LINE BETWEEN SAND FILTERS AND UV SYSTEM	BYPASS AT WQTC	948395	MSD CLEANED AND SANITIZED AREA	WILL CONT REPAIRS AND PUMP AROUND TILL REPAIRS ARE COMPLETE
DEREK R. GUTHRIE	KY0078956	11621 LOWER RIVER RD	09/16/09 3:25: AM	09/16/09 03:28 AM	153,000 GAL	Sewer Treatment Plant	MSD0277	#2 BISULFITE PUMP NOT PUMPING ENOUGH	BYPASS AT WQTC	955750	NO DEBRIS	STARTED #1 BISULFITE PUMP RETOOK CL2 READING
CEDAR CREEK	KY0098540	8605 CEDAR CREEK RD	09/21/09 1:30: AM	09/21/09 01:45 AM	500 GAL	Sewer Treatment Plant	MSD0289	OVERFLOWED OXIDATION DITCH DUE TO ELEVATED FLOWS DURING RAIN EVENT	BYPASS AT WQTC	956949	MSD CLEANED & SANITIZED THE AREA	RAISED CENTER WELL GATE & LOWERED BYPASS GATE TO REMOVE WATER LEVEL IN OX. DITCH.
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	09/27/09 12:30: AM	09/27/09 02:45 AM	100 GAL	Sewer Treatment Plant	MSD0255	RAIN EVENT CAUSED LACK OF SYSTEM CAPACITY	BYPASS AT WQTC	961491	CONTRACTOR CLEANED & SANITIZED THE AREA; MSD LIMED.	A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP.
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	10/05/09 3:15: PM	10/05/09 05:35 PM	7,953 GAL	Sewer Treatment Plant	MSD0263	MECHANICAL, FITTING FAILURE	BYPASS AT WQTC	967725	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	REMOVED FAILED FITTING & REPLACED. RETURNED TO SERVICE.
CEDAR CREEK	KY0098540	8605 CEDAR CREEK RD	11/01/09 5:00: AM	11/01/09 06:15 AM	207,997 GAL	Sewer Treatment Plant	MSD0289	UV EAST CHANNEL EFFLUENT GATE FAILED TO COMPLETELY CLOSE IN AUTOMATIC	BYPASS AT WQTC	975966	NO CLEAN UP PERFORMED - PIPE DISCHARGING DIRECTLY INTO STREAM	CLOSED GATE IN MANUAL TO STOP FLOW UNTIL CAUSE INVESTIGATED & REPAIRS CAN BE MADE
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	12/08/09 9:50: PM	12/09/09 02:40 AM	67,535 GAL	Sewer Treatment Plant	MSD0263	RAIN EVENT IN AREA CAUSING SOLIDS TO WASH OUT OF PLANT	BYPASS AT WQTC	989842	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	TURNED BLOWERS OFF TO SETTLE THE PLANT SOLIDS
STARVIEW	KY0031712	423 BERMUDA WAY	12/08/09 9:53: PM	12/08/09 10:24 PM	2,139 GAL	Sewer Treatment Plant	MSD0247	HIGH FLOW DUE TO RAIN EVENT IN AREA	BYPASS AT WQTC	989838	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	TURNED OFF BLOWERS TO SETTLE PLANT
CEDAR CREEK	KY0098540	8605 CEDAR CREEK RD	12/08/09 11:00: PM	12/08/09 11:30 PM	100 GAL	Sewer Treatment Plant	MSD0289	HEAVY RAIN EVENT IN AREA & ADJUSTMENT OF CENTER WELL GATE. INSPECT DRAIN LINE FOR BREAKAGE	BYPASS AT WQTC	989846	NO CLEANUP OCCURRED DUE TO HEAVY RAIN	ADJUSTED CENTER WELL GATE TO STOP BYPASS
DEREK R. GUTHRIE	KY0078956	11621 LOWER RIVER RD	12/31/09 12:19: AM	12/31/09 02:29 AM	1,500,000 GAL	Sewer Treatment Plant	MSD0277	POWER FAILURE CAUSED BY L G & E	BYPASS AT WQTC	996579	NO DEBRIS ,ONLY A BYPASS OF DISINFECTION	L G & E RESTORED POWER ALL SYSTEMS BACK IN SERVICE
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	01/31/10 7:27: AM	01/31/10 07:30 AM	2,082 GAL	Sewer Treatment Plant	MSD0255	BYPASS EVENT, BLENDING OCCURED DUE TO UPS CONTROLS FAILURE. 01/31/2010. 07:	BYPASS AT WQTC	1008290	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL	PUT PUMPS IN HAND OPERATION, & RESET UPS CONTROLS, RESUMED NORMAL OPERATION
FLOYDS FORK	KY0102784	1100 BLUE HERON RD	02/05/10 9:40: PM	02/05/10 09:50 PM	15,000 GAL	Sewer Treatment Plant	MSD0294	SAND FILTER OVERWHELMED & OVERFLOWED DUE TO CONTROLS FAILURE OF ELECTRONIC LEVEL INDICATOR.	BYPASS AT WQTC	1011592	B&H VACTORING ALL POSSIBLE AREAS. MSD TO LIME & SANITIZE AREA	BY ADJUSTING DIVERSION GATE ELIMINATING BYPASS
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	02/14/10 8:20: AM	02/14/10 08:23 AM	510 GAL	Sewer Treatment Plant	MSD0263	OPERATOR FOUND NO CHLORINE FEED DUE TO LOW CHLORINE CYLINDER	BYPASS AT WQTC	1015412	NO CLEAN UP REQUIRED	OPERATOR CHANGED CHLORINE CYLINDER WITH A FULL ONE
FLOYDS FORK	KY0102784	1100 BLUE HERON RD	03/10/10 12:18: AM	03/10/10 12:34 AM	24,365 GAL	Sewer Treatment Plant	MSD0294	BYPASS UV DISINFECTION DUE TO MOMENTARY POWER DISRUPTION FROM LG&E - GENERATOR DID NOT DETECT POWER DISRUPTION	BYPASS AT WQTC	1036756	NO CLEAN UP PERFORMED - PIPES DISCHARGE UNDERWATER, DIRECTLY INTO STREAM	MANUAL START OF EMERGENCY GENERATOR TO RESTORE POWER - GENERATOR INSPECTION INDICATES GENERATOR SYSTEMS FUNCTIONING PROPERLY
HUNTING CREEK SOUTH	KY0029114	6530 MONTERO DR	03/26/10 8:00: AM	03/26/10 10:30 AM	29,117 GAL	Sewer Treatment Plant	MSD0292	DAMAGED SO2 FEED LINE	BYPASS AT WQTC	1043442	NO DEBRIS, NO CLEANUP	CHEROKEE REPAIRED SO2 FEED LINE
BERRYTOWN	KY0036501	1203 HEAFER RD	03/26/10 11:23: AM	03/26/10 11:53 AM	3,000 GAL	Sewer Treatment Plant	MSD0209	BROKEN DOMESTIC WATER LINE THAT FEEDS THE SO2 SYSTEM	BYPASS AT WQTC	1043411	NO DEBRIS, NO CLEANUP	WATER SUPPLY SHUT OFF WHILE REPAIRS WERE MADE TO THE LINE & RETURNED TO SERVICE
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	05/01/10 10:10: AM	05/01/10 10:14 AM	1,000 GAL	Sewer Treatment Plant	MSD0255	OVERFILLED AERATION TANKS 5, 6, 7 TRYING TO OPTIMIZE FLOW.	BYPASS AT WQTC	1062156	CONTRACTOR CLEANED & SANITIZED	SHUT OFF 4TH PUMP, REDUCING FLOW

APPENDIX B-2
BYPASS EVENTS AT WQTC'S
JULY 1, 2009 THROUGH JUNE 30, 2010

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	05/01/10 12:28: PM	05/01/10 02:23 PM	41,944 GAL	Sewer Treatment Plant	MSD0263	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	BYPASS AT WQTC	1062181	NO DEBRIS OBSERVED	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
CEDAR CREEK	KY0098540	8605 CEDAR CREEK RD	05/02/10 8:10: AM	05/02/10 08:50 AM	94,088 GAL	Sewer Treatment Plant	MSD0289	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	BYPASS AT WQTC	1062266	MSD CLEANED & SANITIZED THE AREA	OPEN UP MANUAL SAND FILTER GATE & PUT OLD OXIDATION DITCH IN SEVICE
CHENOWETH RUN	KY0042226	14000 BECKLEY TRCE	05/02/10 3:00: PM	05/03/10 12:30 AM	94,500 GAL	Sewer Treatment Plant	MSD0403	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	BYPASS AT WQTC	1062502	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
YORKTOWN	KY0036323	7418 YORKTOWN RD	05/02/10 3:45: PM	05/03/10 05:40 AM	54,600 GAL	Sewer Treatment Plant	MSD0271	LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA	BYPASS AT WQTC	1062532	MSD CLEANED & SANITIZED THE AREA	CREEK LEVEL DECREASED
CHENOWETH RUN	KY0042226	14000 BECKLEY TRCE	05/02/10 3:45: PM	05/03/10 09:45 PM	540,000 GAL	Sewer Treatment Plant	MSD0403	WASTE LEVEL OVERTOPPING CATCH BASIN	BYPASS AT WQTC	1062505	NO DEBRIS	POND LEVEL WAS LOWERED TO PREVENT OVERTOPPING BASIN.
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	05/02/10 3:58: PM	05/03/10 08:15 AM	9,770 GAL	Sewer Treatment Plant	MSD0263	LACK OF SYSTEM CAPACITY DUE TO RAIN EVEN IN THE AREA	BYPASS AT WQTC	1062496	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	05/02/10 3:58: PM	05/03/10 08:15 AM	97,700 GAL	Sewer Treatment Plant	MSD0263	LACK OF CAPACITY DUE TO STORM EVENT IN THE AREA	BYPASS AT WQTC	1062499	MSD CLEANED & SANITIZED THE AREA	THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
STARVIEW	KY0031712	423 BERMUDA WAY	05/02/10 10:00: PM	05/03/10 12:45 AM	1,650 GAL	Sewer Treatment Plant	MSD0247	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	BYPASS AT WQTC	1063005	MSD CLEANED & SANITIZED THE AREA AND SPREAD LIME	THIS SITE FOUND DURING RAIN EVENT RECON; WILL BE MONITORED & EVALUATED FOR REPAIR
BERRYTOWN	KY0036501	1203 HEAFER RD	05/02/10 10:30: PM	05/03/10 08:45 PM	26,700 GAL	Sewer Treatment Plant	MSD0209	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	BYPASS AT WQTC	1062832	MSD CLEANED & SANITIZED THE AREA	THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR
HITE CREEK	KY0022420	5500 HITT RD	05/22/10 7:40: AM	05/22/10 07:50 AM	3,000 GAL	Sewer Treatment Plant	MSD0202	STRUCTURAL FAILURE OF PROCESS WATER LINE	BYPASS AT WQTC	1081862	NO CLEAN UP REQUIRED POTABLE WATER LEAK ONLY	SHUT OFF PROCESS WATER PUMP UNTIL REPAIRS COMPLETED
HUNTING CREEK SOUTH	KY0029114	6530 MONTERO DR	06/14/10 7:45: AM	06/14/10 07:50 AM	50 GAL	Sewer Treatment Plant	MSD0292	WHILE SKIMMING CLARIFIERS TO THE DIGESTER, THE DIGESTER OVERFLOWED.	BYPASS AT WQTC	1094894	CONTRACTING B & H TO VACTOR & CLEAN CREEK & BANK, MSD TO SANITIZE AREA	OPERATOR TURNED OFF SKIMMER TO STOP THE BYPASS.
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	06/28/10 10:30: AM	06/28/10 11:03 AM	2,268 GAL	Sewer Treatment Plant	MSD0263	CONTRACTOR BACKED INTO SULFUR DIOXIDE BLDG	BYPASS AT WQTC	1099222	NO CLEAN UP REQUIRED	MSD MADE REPAIRS TO LINE AND PUT BACK IN SERVICE
CHENOWETH HILLS	KY0029459	4305 ST RENE CT	06/28/10 2:45: PM	06/28/10 03:10 PM	1,647 GAL	Sewer Treatment Plant	MSD0263	CONTRACTOR RAN INTO SODUIM DIOXIDE BUILDING	BYPASS AT WQTC	1099424	NOT NEEDED	MSD MADE REPAIRS TO FEED LINE AND PUT BACK IN SERVICE



APPENDIX B-3 - DISCHARGE WORK ORDERS-BLENDING



BLENDING EVENTS AT JEFFERSONTOWN WQTC

JULY 1, 2009 THROUGH JUNE 30, 2010

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	07/22/09 4:58: PM	07/22/09 05:01 PM	402 GAL	Sewer Treatment Plant	MSD0255	RAIN EVENT IN AREA, HIGH FLOW	BLENDING AT JTOWN WQTC	932248	PIPE SUBMERGED,BLEND, NO CLEANUP NECESSARY	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	07/29/09 7:53: AM	07/29/09 02:25 PM	548,114 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT	BLENDING AT JTOWN WQTC	935691	NO CLEAN UP REQUIRED	NEGOTIATIONS ARE UNDERWAY TO ALLOW BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	08/04/09 10:12: AM	08/05/09 02:24 AM	1,932,553 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY DUE TO RAIN	BLENDING AT JTOWN WQTC	937958	NO CLEANUP REQUIRED, EFFLUENT RECEIVED PRIMARY AND UV TREATMENT	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	09/20/09 10:38: PM	09/21/09 02:18 AM	312,827 GAL	Sewer Treatment Plant	MSD0255	BLENDING DUE TO LACK OF SYSTEM CAPACITY DUE TO RAIN IN AREA	BLENDING AT JTOWN WQTC	956924	NO CLEANUP REQUIRED, EFFLUENT RECEIVED PRIMARY AND UV TREATMENT	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	09/26/09 10:21: PM	09/27/09 03:19 AM	254,916 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	961483	NO CLEAN UP REQUIRED EFFLUENT RECEIVED PRIMARY AND UV TREATMENT	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	10/02/09 8:36: AM	10/02/09 10:40 AM	34,812 GAL	Sewer Treatment Plant	MSD0255	FLOW EXCEEDED PLANT CAPACITY	BLENDING AT JTOWN WQTC	964033	NO CLEANUP PERFORMED- PIPE DISCHARGING UNDERWATER	A SOLUTION FOR THIS LOCATION IS IN THE IOAP
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	10/09/09 4:31: AM	10/10/09 01:58 AM	1,650,306 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	969277	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	NOGOTATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	10/27/09 11:43: PM	10/28/09 02:02 AM	47,448 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	974557	NO CLEAN UP PERFORMED - WATER RECEIVED PRIMARY & UV TREATMENT	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	10/31/09 3:27: AM	10/31/09 04:00 PM	966,634 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	975855	NO CLEAN UP PERFORMED - PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	12/08/09 8:53: PM	12/09/09 02:51 AM	378,642 GAL	Sewer Treatment Plant	MSD0255	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	BLENDING AT JTOWN WQTC	989835	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	01/21/10 1:19: PM	01/22/10 02:38 AM	2,208,502 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	1003387	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	01/24/10 10:38: AM	01/25/10 04:52 AM	855,454 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	1004033	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	02/05/10 4:34: PM	02/06/10 02:24 AM	516,697 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY - HEAVY RAIN IN AREA	BLENDING AT JTOWN WQTC	1011559	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVEL	NEGOTIATIONS ARE UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	05/01/10 10:21: AM	05/03/10 11:23 PM	7,661,762 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA	BLENDING AT JTOWN WQTC	1062157	CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVELS	NEGOTIATIONS UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION.
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	05/21/10 9:40: PM	05/22/10 02:08 AM	253,859 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT	BLENDING AT JTOWN WQTC	1081848	CLEAN UP NOT POSSIBLE DUE TO HIGH CREEK LEVEL	NEGOTIATIONS UNDER WAY TO ALLOW TEMPORARY BENDING AT THIS LOCATION
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	06/09/10 12:35: PM	06/09/10 09:29 PM	786,248 GAL	Sewer Treatment Plant	MSD0255	LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT	BLENDING AT JTOWN WQTC	1093777	CLEAN UP NOT POSSIBLE DUE TO HIGH CREEK LEVEL	NEGOTIATIONS UNDER WAY TO ALLOW TEMPORARY BENDING AT THIS LOCATION



APPENDIX B-4 - DISCHARGE WORK ORDERS-GROUND



**APPENDIX B-4
OVERFLOWS TO GROUND
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
HITE CREEK	KY0022420		09/03/09 11:50: AM	09/03/09 11:53 AM	15 GAL	Sewer Valve	102451-V	CHEROKEE CONST. WORKING ON ARV REPLACEMENT	MECHANICAL FAILURE	952340	NO DEBRIS, CONTRACTOR CLEANED & SANITIZED AREA	CHEROKEE REPAIRED LEAK
HITE CREEK	KY0022420		09/03/09 11:58: AM	09/03/09 12:00 PM	15 GAL	Sewer Valve	102451-V	MEADOW STREAM FORCE MAIN ARV#102451-V, CHEROKEE WORKING ON ARV, DISCHARGE OF 15 GALLONS	MECHANICAL FAILURE	952344	MEADOW STREAM FORCE MAIN ARV#102451-V, CHEROKEE CLEANED & SANITIZED,	CHEROKEE MADE REPAIRS TO ARV & CLEANED AREA
BERRYTOWN	KY0036501	1203 HEAFER RD	07/29/09 12:00: PM	07/29/09 06:10 PM	1,110 GAL	Sewer Treatment Plant	MSD0209	CRACKS ON WALL AT AERATION TANK	STRUCTURAL FAILURE	936131	LIME WAS SPREAD	MAINT. WILL INVESTIGATE REPAIR OPTIONS
STARVIEW	KY0031712	423 BERMUDA WAY	05/13/10 3:28: PM	05/13/10 03:36 PM	200 GAL	Sewer Treatment Plant	MSD0247	LOSS OF LG&E POWER, CAUSED EFFLUENT PUMPS TO STOP RUNNING	POWER OUTAGE (LG&E)	1077383	MSD CLEANED & SANITIZED THE AREA	PLACED GENERATOR TO RESTORE POWER UNTILL LG&E WAS RESTORED
JEFFERSONTOWN	KY0025194	9510 TAYLORSVILLE RD	07/16/09 5:24: PM	07/16/09 05:39 PM	5 GAL	Sewer Service Line	048400130000A	HEAVY ROOTS AND GREASE IN MAIN SEWER	ROOTS	930904	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 931285 AND 931292 - FLUSHED AND ROOT CUT THE MAIN SEWER
JEFFERSONTOWN	KY0025194	2804 PATTI LN	11/28/09 6:00: PM	11/28/09 06:10 PM	5 GAL	Sewer Manhole	28710	ROOTS IN MAIN SEWER	ROOTS	985836	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 985835 AND 986048 - ROOT CUT AND FLUSHED MAIN SEWER AND GOT OPEN
JEFFERSONTOWN	KY0025194	4120 LEO LN	04/16/10 9:00: AM	04/16/10 10:29 AM	25 GAL	Sewer Service Line	JT02221449	OBSTRUCTION IN MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	OBSTRUCTION-NOT GREASE / ROOTS	1057582	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1057586 - ROOT CUT LINE
JEFFERSONTOWN	KY0025194	10725 OLD TAYLORSVILLE RD	03/02/10 2:20: PM	03/02/10 02:25 PM	10 GAL	Sewer Treatment Plant	MSD0255	GASKET FAILURE , MECHANICAL CONNECTION OF HOSE	MECHANICAL FAILURE	1032931	MSD CLEANED & SANITIZED AREA	REPLACED HOSE GASKET & INSPECTED CONNECTIONS, FOUND NO OTHER PROBLEMS
SILVER HEIGHTS	KY0028801	9412 SLAYTON CT	05/27/10 8:30: AM	05/27/10 08:32 AM	1 GAL	Sewer Treatment Plant	MSD0258	MECHANICAL SEALS ON PUMP STARTED LEAKING	MECHANICAL FAILURE	1084228	MSD CLEANED & SANITIZED THE AREA	STOPPED TRASH PUMP
DEREK R. GUTHRIE	KY0078956	9819 EAST AVE	08/17/09 6:00: PM	08/17/09 07:30 PM	40 GAL	Sewer Manhole	09785	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	944589	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 944591 - ROOT CUT SEWER TO OPEN LINE
DEREK R. GUTHRIE	KY0078956	9818 EAST AVE	08/17/09 6:00: PM	08/17/09 07:30 PM	40 GAL	Sewer Manhole	09786	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	944590	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 944591 - ROOT CUT MAIN SEWER TO OPEN LINE
DEREK R. GUTHRIE	KY0078956	2023 WEST LN	04/30/10 2:45: PM	04/30/10 03:51 PM	1 GAL	Sewer Service Line	101503830000A	ROOTS AT MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	ROOTS	1062095	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1062097 AND 1062207 - ROOT CUT AND REPAIRED THE PROPERTY SERVICE CONNECTION INSTALLED A 2-WAY CLEANOUT
DEREK R. GUTHRIE	KY0078956	8315 SMYRNA PKY	06/10/10 11:00: PM	06/10/10 11:59 PM	1 GAL	Sewer Service Line	103218315	OBSTRUCTION IN MSD'S PORTION OF PROPERTY SERVICE CONNECTION	OBSTRUCTION-NOT GREASE / ROOTS	1094389	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1094388 - FLUSHED DEBRIS FROM PROPERTY SERVICE CONNECTION
DEREK R. GUTHRIE	KY0078956	9070 DIXIE HWY	01/25/10 7:59: PM	01/25/10 11:00 PM	7 GAL	Sewer Service Line	123539070	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1006329	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1006082 - FLUSHED AND OPEN THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	6707 VANDRE AVE	10/05/09 6:30: PM	10/05/09 07:35 PM	25 GAL	Sewer Manhole	31686	OBSTRUCTION IN THE MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	967733	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 967734 - ROOT CUT MAIN SEWER TO REMOVE OBSTRUCTION
DEREK R. GUTHRIE	KY0078956	423 ECHAPPE LN	07/20/09 12:10: PM	07/20/09 12:15 PM	1 GAL	Sewer Manhole	81440	OBSTRUCTION IN GRAVITY LINE CAUSED DISCHARGE @ SMH	OBSTRUCTION-NOT GREASE / ROOTS	931568	MSD CLEANED AND SANITIZED AREA	GRAVITY LINE IS BEING CHECKED FOR OBSTRUCTIONS AND DEBRIS
DEREK R. GUTHRIE	KY0078956	6513 JENNIFER VALLEY WAY	05/09/10 9:27: PM	05/09/10 09:28 PM	10 GAL	Sewer Manhole	99101	OBSTRUCTION IN MANHOLE	OBSTRUCTION-NOT GREASE / ROOTS	1068921	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1068922 - FLUSHED MAIN SEWER
DEREK R. GUTHRIE	KY0078956	8802 WALTLEE RD	01/13/10 4:15: PM	01/13/10 05:43 PM	20 GAL	Sewer Service Line	BE09008099	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1000094	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1000088 - ROOT CUT MAIN SEWER TO OPEN LINE
DEREK R. GUTHRIE	KY0078956	7816 NOTTOWAY CIR	03/26/10 12:15: PM	03/26/10 12:39 PM	10 GAL	Sewer Service Line	DE31006029	ROOTS IN MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	ROOTS	1043392	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1043395, 1043708 AND 1043709 - ROOT CUT, FLUSHED AND REPAIRED THE PROPERTY SERVICE LINE AND INSTALLED A 2-WAY CLEANOUT

**APPENDIX B-4
OVERFLOWS TO GROUND
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
DEREK R. GUTHRIE	KY0078956	3951 CANE RUN RD	04/20/10 12:15: PM	04/20/10 12:20 PM	15 GAL	Sewer Main	MSD0044-PS	STRUCTURE FAILURE, FM PIPE BROKE	STRUCTURAL FAILURE	1058578	CONTRACTOR CLEANED & SANITIZED AREA.	CHEROKEE CONSTRUCTION REPAIRED THE FORCE MAIN.
DEREK R. GUTHRIE	KY0078956	11621 LOWER RIVER RD	07/29/09 2:55: PM	07/29/09 03:00 PM	100 GAL	Sewer Treatment Plant	MSD0277	SURGE IN PLANT FLOW	LACK OF SYSTEM CAPACITY	936245	SEWAGE CONTAINED ON MSD PROPERTY AND PLACED BACK INTO SYSTEM FOR TREATMENT; MSD CLEANED AND SANITIZED AREA	SHUT 3B AND CLOSED 120INCH GATE
DEREK R. GUTHRIE	KY0078956	11621 LOWER RIVER RD	08/04/09 3:00: PM	08/04/09 03:10 PM	10 GAL	Sewer Treatment Plant	MSD0277	TANKER HOSE SPILLED	MECHANICAL FAILURE	939660	NO DEBRIS	SPOKE WITH TANKER DRIVER ABOUT BEING MORE CAREFUL
DEREK R. GUTHRIE	KY0078956	11621 LOWER RIVER RD	08/25/09 2:15: PM	08/25/09 02:15 PM	40 GAL	Sewer Treatment Plant	MSD0277	CONTRACTOR DUMPED TOO FAST FOR STATION PUMPS	MECHANICAL FAILURE	947225	CONTRACTOR CLEANED & SANITIZED AREA	REVIEWED STANDARD OPERATING PROCEDURES WITH CONTRACT HAULERS
DEREK R. GUTHRIE	KY0078956	11621 LOWER RIVER RD	05/26/10 10:30: AM	05/26/10 10:35 AM	200 GAL	Sewer Treatment Plant	MSD0277	DURING THE EXCAVATION TWO FULL BUCKETS OF RAS WAS DUMPED ONTO THE GROUND.	STRUCTURAL FAILURE	1083802	NO DEBRIS OBSERVED; AREA WAS LIMED	PUMPED THE SEWAGE OUT OF EXCAVATION INTO TANKER TRUCKS.
DEREK R. GUTHRIE	KY0078956	5006 LEA ANN WAY	04/20/10 4:00: PM	04/20/10 04:10 PM	5 GAL	Sewer Lift Station	MSD1010-PS	BROKEN HOSE ON VACATOR TRUCK	MECHANICAL FAILURE	1058784	CONTRACTOR CLEANED & SANITIZED THE AREA	CONTRACTOR CHANGED HOSE; VACCUUMED UP SPILL
DEREK R. GUTHRIE	KY0078956	5123 POPLAR LEVEL RD	05/24/10 1:45: PM	05/24/10 02:30 PM	1 GAL	Sewer Service Line	PA08065089	OBSTRUCTION IN MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	OBSTRUCTION-NOT GREASE / ROOTS	1082437	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1082427 - ROOT CUT THE PROPERTY SERVICE LINE
DEREK R. GUTHRIE	KY0078956	1039 GARROW CT	05/04/10 7:15: PM	05/04/10 08:00 PM	2 GAL	Sewer Service Line	PB11844049	OBSTRUCTION IN MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	OBSTRUCTION-NOT GREASE / ROOTS	1064572	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	REFERRED TO SUPERVISOR TO MAKE NEEDED REPAIRS
DEREK R. GUTHRIE	KY0078956	9320 MOONRIDGE PL	12/15/09 3:30: PM	12/15/09 03:45 PM	2 GAL	Sewer Service Line	PD24756099	ROOTS ON MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	ROOTS	991620	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 991619 AND 991630 - ROOT CUT AND REPAIRED THE PROPERTY SERVICE CONNECTION
DEREK R. GUTHRIE	KY0078956	3108 NOVA VW	03/12/10 5:00: PM	03/12/10 06:00 PM	1 GAL	Sewer Service Line	RR13920039	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1039496	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1039497 - FLUSHED OBSTRUCTION FROM MAIN SEWER
MORRIS FORMAN	KY0022411	806 PINE WAY	01/25/10 3:30: PM	01/25/10 03:35 PM	25 GAL	Sewer Manhole	00817	MECHANICAL FAILURE OF THE VALVE ON B&H TRUCK	MECHANICAL FAILURE	1006041	SEWAGE RAN BACK INTO SMH00817	PUT CAP OVER PIPE TO STOP SEWAGE FROM LEAKING FROM VALVE ON B&H TRUCK
MORRIS FORMAN	KY0022411	707 OXMOOR WOODS PKY	05/12/10 9:00: PM	05/12/10 10:00 PM	10 GAL	Sewer Manhole	02393	ROOTS IN MAIN SEWER	ROOTS	1071775	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1071765 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	3104 WOODLAND AVE	07/13/09 10:30: PM	07/13/09 11:16 PM	1 GAL	Sewer Manhole	05277	ROOTS IN MAIN SEWER	ROOTS	930037	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 930010 - ROOT CUT MAIN
MORRIS FORMAN	KY0022411	1212 CYPRESS ST	05/22/10 3:00: PM	05/22/10 03:00 PM	1 GAL	Sewer Manhole	05691	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1091780	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4103 LEE AVE	05/21/10 11:00: PM	05/21/10 11:21 PM	10 GAL	Sewer Manhole	104223	RAIN EVENT SURCHARGING	OBSTRUCTION-NOT GREASE / ROOTS	1084780	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1490 FRANKFORT AVE	05/02/10 7:15: AM	05/03/10 05:00 AM	10,000 GAL	Sewer Main	12450	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062494	MSD WASHED DOWN THE STREET AND SPREAD LIME ON THE GRASSY AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	318 BROWNS LN	01/18/10 5:30: PM	01/18/10 06:00 PM	5 GAL	Sewer Service Line	131213	ROOTS IN MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	ROOTS	1002424	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 100245 AND 1003470 - ROOT CUT AND REPAIRED THE PROPERTY SERVICE CONNECTION AND INSTALLED A 2-WAY CLEANOUT
MORRIS FORMAN	KY0022411	1800 NIGHTINGALE RD	02/25/10 4:35: AM	02/25/10 06:30 AM	50 GAL	Sewer Manhole	13472	AIR TO PRESSURE RELIEF VALVE WAS TURNED OFF.	ELECTRICAL PROBLEMS AT MSD	1025482	MSD CLEANED, SANITIZED & SPREAD LIME	REPLACED VALVE & TURNED SERVICE BACK ON.
MORRIS FORMAN	KY0022411	1600 WHIPPOORWILL RD	10/24/09 10:30: AM	10/24/09 10:56 AM	20 GAL	Sewer Manhole	13855	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	973857	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 973860 - ROOT CUT MAIN SEWER AND OPENED LINE UP

**APPENDIX B-4
OVERFLOWS TO GROUND
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	1562 MCKAY AVE	05/22/10 3:04: PM	05/22/10 03:04 PM	2 GAL	Sewer Manhole	13931	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1091799	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4119 LEE AVE	09/22/09 9:00: PM	09/22/09 09:33 PM	1 GAL	Sewer Manhole	13943	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958633	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4304 WINTER GARDEN CT	11/15/09 8:39: PM	11/15/09 09:08 PM	10 GAL	Sewer Manhole	19729	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	981137	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 982957 - FLUSHED THE MAIN SEWER AND OPENED THE LINE
MORRIS FORMAN	KY0022411	9324 TIVERTON WAY	12/04/09 10:30: AM	12/04/09 12:00 PM	500 GAL	Sewer Manhole	22585	ROOTS IN MAIN SEWER	ROOTS	988768	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 988566 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	9600 SOMERFORD CT	10/27/09 3:30: PM	10/27/09 08:15 PM	50 GAL	Sewer Manhole	22595	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	974549	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 74552 - ROOTCUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	9600 SOMERFORD CT	11/21/09 5:00: PM	11/21/09 05:14 PM	25 GAL	Sewer Manhole	22595	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	983589	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 983590 - ROOT CUT MAIN SEWER TO OPEN LINE UP
MORRIS FORMAN	KY0022411	1800 NIGHTINGALE RD	02/25/10 4:35: AM	02/25/10 06:30 AM	50 GAL	Sewer Manhole	30323	AIR TO PRESSURE RELIEF VALVE WAS TURNED OFF.	ELECTRICAL PROBLEMS AT MSD	1025480	MSD CLEANED, SANITIZED & SPREAD LIME	REPLACED VALVE & TURNED SERVICE BACK ON.
MORRIS FORMAN	KY0022411	909 ELLISON AVE	11/23/09 11:45: AM	11/23/09 12:27 PM	1 GAL	Sewer Service Line	32059	OBSTRUCTION IN THE PROPERTY SERVICE CONNECTION	OBSTRUCTION-NOT GREASE / ROOTS	983868	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 983865 - REPAIRED THE PROPERTY SERVICE CONNECTION AND INSTALLED A 2-WAY CLEANOUT
MORRIS FORMAN	KY0022411	4313 CREEK BEND CT	04/30/10 5:00: PM	04/30/10 07:00 PM	10 GAL	Sewer Main	37432	UNKOWN AT THIS TIME	OBSTRUCTION-NOT GREASE / ROOTS	1062130	WILL REFER TO AREA SUPERVISOR TO CLEAN UP	REFER TO AREA SUPERVISOR TO DIG UP
MORRIS FORMAN	KY0022411	2533 ST CECILIA ST	09/13/09 4:47: PM	09/13/09 05:39 PM	10 GAL	Sewer Service Line	4252533	PORTION OF PIPE BROKE ON MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	STRUCTURAL FAILURE	954220	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 954210 - REPAIRED THE PROPERTY SERVICE CONNECTION AND INSTALLED A 2-WAY CLEANOUT
MORRIS FORMAN	KY0022411	3600 DOWNING WAY	08/05/09 10:10: PM	08/05/09 10:50 PM	1 GAL	Sewer Manhole	48897	POWER FAILURE DUE TO LG&E	POWER OUTAGE (LG&E)	939560	OPERATIONS CLEANED AND SANITIZED THE IMPACTED AREA	OPERATIONS CONTACTED LGE; LGE TURNED ON THE POWER; OPERATIONS REMOVED GENERATOR THAT FAILED
MORRIS FORMAN	KY0022411	3603 BARDSTOWN RD	05/02/10 11:42: AM	05/02/10 11:44 AM	25 GAL	Sewer Manhole	49672	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062627	WATER HAS NOT RECEDED	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1214 ROYAL AVE	07/27/09 1:45: PM	07/27/09 05:00 PM	15 GAL	Sewer Manhole	50317	UTILITY BORED THRU MAIN SEWER	UTILITY DAMAGED MSD ASSET	935276	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 935236, 943457 AND 935659 - FLUSHED, VACTOR AND REPAIRED THE MAIN SEWER
MORRIS FORMAN	KY0022411	1214 ROYAL AVE	10/06/09 12:45: PM	10/06/09 02:15 PM	50 GAL	Sewer Manhole	50317	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	968224	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4200 LEE AVE	05/04/10 12:30: PM	05/04/10 12:56 PM	3 GAL	Sewer Manhole	51301	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064255	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4200 LEE AVE	05/22/10 3:00: PM	05/22/10 03:10 PM	1 GAL	Sewer Manhole	51301	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1088880	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4315 KINLOCH RD	07/29/09 7:13: PM	07/29/09 08:37 PM	5 GAL	Sewer Service Line	55072	ROOTS IN THE MAIN SEWER	ROOTS	936323	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 936342 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	1342 LILLIAN AVE	04/06/10 11:45: AM	04/06/10 01:10 PM	5 GAL	Sewer Service Line	60618	ROOTS IN MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	ROOTS	1053043	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1053019, 1053037 AND 1053038 - ROOT CUT AND REPAIRED THE PROPERTY SERVICE CONNECTION AND INSTALLED A 2-WAY CLEANOUT
MORRIS FORMAN	KY0022411	2401 PROCTOR CT	01/22/10 4:30: PM	01/22/10 11:45 PM	20 GAL	Sewer Service Line	84783	WHILE ROOT CUTTING - SEWAGE CAME OUT OF CLEANOUT	OBSTRUCTION-NOT GREASE / ROOTS	1005994	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1003892 - ROOT CUT AND REMOVED OBSTRUCTION FROM PROPERTY SERVICE LINE

**APPENDIX B-4
OVERFLOWS TO GROUND
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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	1441 S SHELBY ST	08/05/09 1:00: AM	08/05/09 06:44 PM	1 GAL	Sewer Service Line	94196	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939519	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WHERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	313 E SOUTHSIDE CT	01/25/10 1:00: PM	01/25/10 01:56 PM	2 GAL	Sewer Service Line	96418	OBSTRUCTION IN MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	OBSTRUCTION-NOT GREASE / ROOTS	1005965	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1005959 - ROOT CUT THE PROPERTY SERVICE CONNECTION
MORRIS FORMAN	KY0022411	332 W SOUTHSIDE CT	08/04/09 1:41: PM	08/04/09 01:42 PM	1 GAL	Sewer Service Line	96651	LACK OF CAPACITY DUE TO RAIN EVENT IN AREA	LACK OF SYSTEM CAPACITY	938390	NO CLEAN UP REQUIRED, NO SOLIDS AND FLOATABLES OBSERVED.	THIS SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR
MORRIS FORMAN	KY0022411	4201 POPLAR LEVEL RD	02/17/10 12:15: PM	02/17/10 01:45 PM	2 GAL	Sewer Service Line	KK09713019	OBSTRCTION IN MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	OBSTRUCTION-NOT GREASE / ROOTS	1020278	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDEER 1020283 - FLUSHED AND OPEN THE PROPERTY SERVICE CONNECTION
MORRIS FORMAN	KY0022411	300 E HILL ST	08/05/09 3:00: AM	08/06/09 02:00 PM	999,999,999 GAL	Sewer Lift Station	MSD0021-PS	LACK OF SYSTEM CAPACITY- DUE TO FLOODING	PUMPED OVERFLOW	940802	PUMPED TO MANHOLE, HAULED & CITY CLEANED ANY DEBRIS	SITE FOUND DURING RAIN EVENT RECON-WILL BE MONITORED & EVALUATED FOR REPAIR
MORRIS FORMAN	KY0022411	7404 ARROWWOOD RD	07/31/09 9:00: PM	07/31/09 11:30 PM	1,500 GAL	Sewer Lift Station	MSD0040-PS	MECHANICAL FAILURE OF BOTH PUMPS	MECHANICAL FAILURE	937303	MSD CLEANED & SANITIZED THE AREA AND ALSO SPREAD LIME.	MAINTENCE IS MAKING REPAIRS AND STATION IS BEING HAULED TILL REPAIRS ARE COMPLETE
MORRIS FORMAN	KY0022411	6001 RODES CT	08/05/09 9:15: PM	08/05/09 10:10 PM	550 GAL	Sewer Lift Station	MSD0193-PS	PUMP FALIURE	MECHANICAL FAILURE	939577	MSD CLEANED & SANITIZED THE AREA	CONTRACTOR REPAIRING PUMP
MORRIS FORMAN	KY0022411	4522 ALGONQUIN PKY	11/12/09 11:00: AM	11/12/09 11:05 AM	2,000 GAL	Sewer Treatment Plant	MSD0278	GATES TO SEDIMENT TANK NO. 1 NOT OPENED ENOUGH, CAUSING FLOW TO SPILL FROM AERATED CHANNEL ONTO ROAD AND INTO STORM DRAIN, THEN BACK INTO THE PLANT.	MECHANICAL FAILURE	980594	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	GATES TO SEDIMENT TANK OPENED TO ALLOW ADDITIONAL FLOW.
MORRIS FORMAN	KY0022411	4522 ALGONQUIN PKY	01/26/10 2:00: PM	01/27/10 08:15 AM	500 GAL	Sewer Treatment Plant	MSD0278	CONTRACTOR CUT A LINE THEY THOUGHT WAS DRAINED, BUT IT STILL HAVE SOME INFLUENT THAT HAD NOT DRAINED	MECHANICAL FAILURE	1007304	CONTRACTOR CLEAN AND SANITIZED AREA	CONTRACTOR IS PERFORMING THIS WORK. CURRENTLY UNDERWAY
CEDAR CREEK	KY0098540	10512 PROVIDENCE DR	11/30/09 1:37: AM	11/30/09 01:41 AM	1 GAL	Sewer Service Line	1352251	HEAVY DEBRIS AND TOWELS IN MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	OBSTRUCTION-NOT GREASE / ROOTS	985879	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 986018 - FLUSHED THE LINE AND REMOVED THE DEBRIS
CEDAR CREEK	KY0098540	7502 FARMHOUSE LN	05/03/10 1:45: PM	05/03/10 01:50 PM	1 GAL	Sewer Manhole	26155	LACK OF SYSTEM CAPACITY - RAIN	LACK OF SYSTEM CAPACITY	1063306	DISCLN WORK ORDER 1065627	RAIN SUBSIDED
CEDAR CREEK	KY0098540	7511 STONE BROOK DR	05/04/10 1:38: PM	05/04/10 01:43 PM	1 GAL	Sewer Manhole	26156	LACK OF SYSTEM CAPACITY - RAIN EVENT	LACK OF SYSTEM CAPACITY	1064336	DISCLN WO 1065610	RAIN SUBSIDED
CEDAR CREEK	KY0098540	8808 FERNVIEW DR	09/24/09 10:06: PM	09/24/09 10:49 PM	10 GAL	Sewer Manhole	46757	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	960285	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	REFERRED TO CREW FOR TV INSPECTION
CEDAR CREEK	KY0098540	8605 CEDAR CREEK RD	05/26/10 9:05: AM	05/26/10 09:06 AM	40 GAL	Sewer Treatment Plant	MSD0289	PUMPING FROM #1 OX DITCH TO #2 OX DITCH HOSE CAME OUT AND SEWAGE HIT THE GROUND	MECHANICAL FAILURE	1083677	MSD CLEANED AND SANITIZED AREA	SECURED HOSE TIGHTLY
HUNTING CREEK NORTH	KY0029106	6531 BASS RD	08/06/09 11:00: AM	08/06/09 11:15 AM	50 GAL	Sewer Valve	103005-V	CONTRACTOR BROKE FM DIGGING TO INSTALL PROPERTY SERVICE CONNECTION	UTILITY DAMAGED MSD ASSET	939952	CONTRACTOR CLEANED & SANITIZED THE AREA	CONTRACTOR REPAIRED 6" FM
HUNTING CREEK NORTH	KY0029106	6714 JOHN HANCOCK PL	03/31/10 4:25: PM	03/31/10 04:30 PM	5 GAL	Sewer Lift Station	MSD1059-LS	GASKET FAILURE AT FM	MECHANICAL FAILURE	1046307	MSD CLEANED & SANITIZED THE AREA AND SPREAD LIME	REPLACED OLD PIPING. WO#1043832
HUNTING CREEK NORTH	KY0029106	6714 JOHN HANCOCK PL	04/22/10 12:00: PM	04/22/10 12:10 PM	60 GAL	Sewer Main	MSD1059-LS	FORCE MAIN PIPE BROKE	STRUCTURAL FAILURE	1059310	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	CHEROKEE CONSTRUCTION TO MAKE NEEDED REPAIRS, IN ROUTE NOW
HUNTING CREEK NORTH	KY0029106	6714 JOHN HANCOCK PL	05/04/10 3:45: PM	05/04/10 04:00 PM	25 GAL	Sewer Main	MSD1059-LS	FORCE MAIN PIPE BROKE	STRUCTURAL FAILURE	1064574	NO DEBRIS. CHEROKEE WILL CLEAN & SANITIZE AS PART OF REPAIRS	CHEROKEE CONSTRUCTION TO MAKE REPAIRS 5/5/2010 WHEN PARTS ARE AVAILABLE
HUNTING CREEK NORTH	KY0029106	6714 JOHN HANCOCK PL	05/10/10 1:00: PM	05/10/10 05:10 PM	1,250 GAL	Sewer Main	MSD1059-LS	STRUCTURAL FAILURE OF FORCEMAIN	STRUCTURAL FAILURE	1069338	MSD CLEANED AND SANITIZED AREA	STATIONED IS BEING HAULED TILL REPAIRS ARE COMPLETE

**APPENDIX B-4
OVERFLOWS TO GROUND
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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
HUNTING CREEK SOUTH	KY0029114	6719 HARRODS VIEW CIR	07/17/09 1:31: PM	07/17/09 01:35 PM	5 GAL	Sewer Lift Station	MSD1069-PS	DISCHARGE LINE ON #2 PUMP BROKE	MECHANICAL FAILURE	931068	MSD CLEANED AREA & SPREAD LIME	REPAIRED LINE AT PUMP
TIMBERLAKE	KY0043087	5504 TIMBER RIDGE DR	04/26/10 9:30: AM	04/26/10 09:30 AM	5 GAL	Sewer Treatment Plant	MSD0293	MECHANICAL REPAIRS; CPE/CCP MODIFICATIONS H092216000-56216	MECHANICAL FAILURE	1060966	MSD CLEANED & SANITIZED THE AREA	MODIFICATIONS/REPAIRS MADE TO THE DISTRIBUTION BOX WO#5160993
FLOYDS FORK	KY0102784	14310 MCKIRKLAND CT	01/16/10 12:58: PM	01/16/10 01:49 PM	5 GAL	Sewer Main	102357	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1002282	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1002338 AND 1003128 - FLUSHED MAIN SEWER
FLOYDS FORK	KY0102784	817 GILLILAND RD	06/10/10 5:00: PM	06/10/10 08:35 PM	25 GAL	Sewer Valve	107732H-V	PUMPED TO GROUND SEWAGE FROM LEAKY ARV	MECHANICAL FAILURE	1094395	MSD CLEANED & SANITIZED AREA	TURN OFF ARV VALVE. REPAIR WO# 1094402 FOR REPAIR ARV
FLOYDS FORK	KY0102784	817 GILLILAND RD	06/11/10 1:10: PM	06/11/10 01:40 PM	325 GAL	Sewer Valve	107732H-V	REPAIRS OF THIS ARV NECESSITATE THE PUMPING OF SEWAGE TO THE GROUND TO ALLOW EMPLOYEES SAFE ENTRY TO MAKE REPAIRS ON WO# 1094402.ARV FAILURE	MECHANICAL FAILURE	1094579	MSD WILL CLEAN & SANITIZE AS PART OF THE REPAIRS THAT ARE ONGOING AT THIS TIME	MSD CREWS ARE REPLACING PIPING & ARV AT THIS TIME
FLOYDS FORK	KY0102784	12509 URTON LN	08/05/09 3:40: PM	08/05/09 04:08 PM	2 GAL	Sewer Service Line	185401850000A	OBSTRUCTION IN THE MAIN SEWER	ROOTS	939476	MSD WILL CLEAN THE IMPACTED AREA	WORK ORDERS 939481 AND 939533 - ROOTCUT AND OPENED THE MAIN SEWER
SHADOW WOOD	KY0031810	5623 HARRODS CV	02/04/10 10:15: AM	02/04/10 10:30 AM	1,200 GAL	Sewer Manhole	110712	MECHANICAL SEAL FAILURE ON B&H TANKER TRUCK	MECHANICAL FAILURE	1010918	B&H VACTORING UP & SANITIZING THE AREA	TEMPORARY MEASURES TO HOLD SEAL IN PLACE UNTIL PERMANENT REPAIRS CAN BE MADE BY B&H
SHADOW WOOD	KY0031810	6319 RIVER RD	11/20/09 1:45: PM	11/20/09 02:30 PM	100 GAL	Sewer Node	41867P-CO	LG&E CUT FORCE MAIN	UTILITY DAMAGED MSD ASSET	983443	MSD CLEANED & SANITIZED THE AREA	CONTRACTOR REPAIRED FORCE MAIN



APPENDIX B-5 - DISCHARGE WORK ORDERS-INTERIOR



**APPENDIX B-5
OVERFLOWS TO INTERIOR
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	8617 WHIPPS MILL RD	07/05/09 2:30: PM	7/5/2009 15:08	10 GAL	Sewer Service Line	002103720000A	ROOTS IN MAIN SEWER	ROOTS	926702	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 926700 AND 926955 - ROOT CUT THE MAIN SEWER
FLOYDS FORK	KY0102784	12204 LEDGES DR	07/07/09 12:30: PM	7/7/2009 14:44	5 GAL	Sewer Service Line	181800710000A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	928175	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 928136 AND 928182 - ROOT CUT AND FLUSHED THE MAIN SEWER
MORRIS FORMAN	KY0022411	8411 TURNSIDE DR	07/08/09 12:45: PM	7/8/2009 15:30	1 GAL	Sewer Service Line	HP12223079	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	928590	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 928497 AND 928498 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	7201 OUTER LOOP	07/09/09 8:50: AM	7/9/2009 8:55	5 GAL	Sewer Lift Station	MSD0180-PS	PIPE FAILURE NEAR FLANGE # 2 PUMP	MECHANICAL FAILURE	928784	MSD WILL WASH UP & SANITIZE AS PART OF REPAIR	SHUT #2 PUMP OFF SO PIPE REPAIRS CAN BE MADE. REPLACING SOME PIPE WILL BE NECESSARY
MORRIS FORMAN	KY0022411	1410 MCCOY AVE	07/10/09 10:30: AM	7/10/2009 11:00	10 GAL	Sewer Service Line	064B00550000A	WATER MAIN BREAK (LOUISVILLE WATER COMPANY (LWC))	UTILITY DAMAGED MSD ASSET	929182	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1407 MCCOY AVE	07/10/09 10:30: AM	7/10/2009 11:00	1 GAL	Sewer Service Line	064B00610000A	WATER MAIN BREAK (LOUISVILLE WATER COMPANY)	UTILITY DAMAGED MSD ASSET	929350	LWC HAD CONTRACTORS ON SITE FOR CLEANING AND/OR DAMAGES	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	5405 CANNONWOOD DR	07/12/09 3:30: PM	7/12/2009 16:20	1 GAL	Sewer Service Line	PD19360119	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	929475	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 929476 - ROOT CUT MAIN SEWER AND OPEN MAIN SEWER
MORRIS FORMAN	KY0022411	1412 MCCOY AVE	07/13/09 1:00: PM	7/13/2009 13:32	5 GAL	Sewer Service Line	064B00540000A	WATER MAIN BREAK (LOUISVILLE WATER COMPANY (LWC))	UTILITY DAMAGED MSD ASSET	929659	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1400 MCCOY AVE	07/13/09 3:45: PM	7/13/2009 16:30	1 GAL	Sewer Service Line	064B00620000B	LOUISVILLE WATER COMPANY (LWC) WATER MAIN BROKE	UTILITY DAMAGED MSD ASSET	929866	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	503 BRIGHTWOOD PL	07/13/09 10:00: AM	7/13/2009 12:30	1 GAL	Sewer Service Line	6440503	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	930279	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 929623 - FLUSHED THE MAIN SEWER AND OPENED LINE
DEREK R. GUTHRIE	KY0078956	2404 PIKES PEAK BLVD	07/17/09 12:00: PM	7/17/2009 15:30	3 GAL	Sewer Service Line	DE30320019	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	931241	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 931226 AND 931057 - ROOT CUT AND REPAIRED THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	9715 CAVEN AVE	07/27/09 9:00: PM	7/27/2009 22:10	1 GAL	Sewer Service Line	PD07050019	OBSTRUCTION IN THE MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	935310	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 935311 - ROOT CUT MAIN SEWER
DEREK R. GUTHRIE	KY0078956	9717 CAVEN AVE	07/27/09 9:00: PM	7/27/2009 22:20	1 GAL	Sewer Service Line	PD07048019	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	935314	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 935311 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	5757 SOUTHLAND TER	07/29/09 8:30: AM	7/29/2009 10:19	5 GAL	Sewer Service Line	96375D	ROOTS IN MAIN SEWER	ROOTS	935807	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 935799 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	510 SCHOOL WAY	07/29/09 11:30: AM	7/29/2009 11:50	1 GAL	Sewer Service Line	V08314049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	935934	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4814 S 6TH ST	07/29/09 12:35: PM	7/29/2009 12:51	5 GAL	Sewer Service Line	120510	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936020	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4805 S 5TH ST	07/29/09 1:00: PM	7/29/2009 13:16	5 GAL	Sewer Service Line	V08590019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936031	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1211 BROOKLINE AVE	07/29/09 1:30: PM	7/29/2009 13:45	5 GAL	Sewer Service Line	W10952029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936079	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	5304 IDLEWOOD LN	07/29/09 3:30: PM	7/29/2009 16:17	5 GAL	Sewer Service Line	BE09127269	ROOTS IN MAIN SEWER	ROOTS	936178	MSD'S CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 936183, 936542 AND 936543 - FLUSHED AND ROOT CUT THE MAIN SEWER

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	1250 SPRINGDALE DR	07/29/09 3:15: PM	7/29/2009 15:45	5 GAL	Sewer Service Line	KK13391039	LACK OF SYSTEM CAPACITY - HEAVY RAIN	LACK OF SYSTEM CAPACITY	936202	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4016 MAPLETON AVE	07/29/09 3:30: PM	7/29/2009 16:00	5 GAL	Sewer Service Line	67033	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936207	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	525 FORUM AVE	07/29/09 4:00: PM	7/29/2009 16:45	5 GAL	Sewer Service Line	060G00660000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936211	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1244 SPRINGDALE DR	07/29/09 8:15: AM	7/29/2009 8:45	2 GAL	Sewer Service Line	KK13390319	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936220	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4744 S RUTLAND AVE	07/29/09 9:00: AM	7/29/2009 9:15	1 GAL	Sewer Service Line	91601	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936224	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4532 OLD HAZELWOOD AVE	07/29/09 9:50: AM	7/29/2009 10:00	1 GAL	Sewer Service Line	46544532	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936236	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	5712 MORRISON AVE	07/29/09 10:15: AM	7/29/2009 10:30	1 GAL	Sewer Service Line	Y10136039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936239	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4028 MAPLETON AVE	07/29/09 10:30: AM	7/29/2009 10:45	1 GAL	Sewer Service Line	67041	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936241	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1088 BICKNELL AVE	07/29/09 10:30: AM	7/29/2009 10:45	5 GAL	Sewer Service Line	8647	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936248	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	6703 MANSCLICK RD	07/29/09 3:15: PM	7/29/2009 15:30	1 GAL	Sewer Service Line	067K00020000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936253	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	10011 DIXIE HWY	07/29/09 1:15: PM	7/29/2009 13:30	1 GAL	Sewer Service Line	1235510011	CONCRETE IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	936260	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 937403, 937749, AND 936503 - ROOT CUT, FLUSHED AND VACTOR SEWER
MORRIS FORMAN	KY0022411	932 STONE ST	07/29/09 2:15: PM	7/29/2009 15:00	1 GAL	Sewer Service Line	100202	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	936263	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 936262 - ROOT CUT AND REMOVED THE OBSTRUCTION FROM MAIN SEWER
MORRIS FORMAN	KY0022411	1220 BICKNELL AVE	07/29/09 2:20: PM	7/29/2009 14:35	20 GAL	Sewer Service Line	053G00400000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936268	CUSTOMER CLEAN THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	5705 SOUTHERN PKY	07/29/09 2:52: PM	7/29/2009 15:11	5 GAL	Sewer Service Line	V08216019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936274	CUSTOMER CLEANED UP THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	721 IOWA AVE	07/29/09 10:03: PM	7/29/2009 22:30	2 GAL	Sewer Service Line	50746	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936309	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	7413 LORENZO LN	07/30/09 12:32: AM	7/30/2009 0:43	2 GAL	Sewer Service Line	BW01869619	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936312	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4316 ALICENT RD	07/29/09 6:45: PM	7/29/2009 20:00	1 GAL	Sewer Service Line	1595	ROOTS IN THE MAIN SEWER	ROOTS	936315	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 936342 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	1218 CARRICO AVE	07/29/09 9:54: PM	7/29/2009 21:54	2 GAL	Sewer Service Line	W11480049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936357	CUSTOMER CLEANED THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT A PLUMBER
MORRIS FORMAN	KY0022411	1229 CARRICO AVE	07/29/09 9:38: PM	7/29/2009 21:49	2 GAL	Sewer Service Line	053F01130000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936360	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	200 ALGER AVE	07/29/09 10:52: PM	7/29/2009 23:02	2 GAL	Sewer Service Line	Y11518079	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936373	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2008 PEABODY LN	07/29/09 12:40: PM	7/29/2009 13:30	1 GAL	Sewer Service Line	81007	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936375	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	221 W SOUTHLAND BLVD	07/29/09 2:53: AM	7/29/2009 15:41	2 GAL	Sewer Service Line	96334	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936377	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	2008 CRUMS LN	07/29/09 4:00: PM	7/29/2009 18:08	3 GAL	Sewer Service Line	25462	ROOTS IN MAIN SEWER	ROOTS	936381	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 936475 AND 936846 - FLUSHED AND ROOT CUT THE MAIN SEWER
JEFFERSONTOWN	KY0025194	3620 CHARLANE PKY	07/29/09 2:40: PM	7/29/2009 15:15	6 GAL	Sewer Service Line	152803620	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936386	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	5619 SOUTHERN PKY	07/29/09 11:10: PM	7/29/2009 23:19	3 GAL	Sewer Service Line	V08225039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936395	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	2314 PIKES PEAK BLVD	07/29/09 10:18: PM	7/29/2009 22:40	2 GAL	Sewer Service Line	DE30342019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936402	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	9614 BRITANNIA CT	07/30/09 12:02: AM	7/30/2009 0:06	2 GAL	Sewer Service Line	AU12423089	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936432	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1439 BELMAR DR	07/30/09 6:45: PM	7/30/2009 19:40	1 GAL	Sewer Service Line	KK14644049	MASSIVE ROOTS IN THE MAIN SEWER	ROOTS	936756	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 937286 - ROOT CUT MAIN SEWER
MORRIS FORMAN	KY0022411	220 W KINGSTON AVE	07/30/09 10:38: PM	7/30/2009 23:08	3 GAL	Sewer Service Line	54645	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	936820	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	10709 DESHANE PL	08/01/09 12:01: AM	8/1/2009 0:05	2 GAL	Sewer Service Line	DD40654019	OBSTRUCTION IN MANHOLE; ROOTS AND GREASE IN MAIN SEWER	ROOTS	937309	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 937762 AND 938855 - ROOT CUT THE MAIN SEWER AND THE MANHOLE
MORRIS FORMAN	KY0022411	327 W KENWOOD WAY	08/04/09 12:21: PM	8/4/2009 12:22	1 GAL	Sewer Service Line	V08646019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938181	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2410 W MADISON ST	08/04/09 11:45: AM	8/4/2009 12:00	10 GAL	Sewer Service Line	65059	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938182	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1502 LOCUST ST	08/04/09 9:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	G09080019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938199	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	333 S PRESTON ST	08/04/09 11:55: AM	8/4/2009 12:00	10 GAL	Sewer Service Line	135389	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938215	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3801 HALE AVE	08/04/09 12:05: PM	8/4/2009 12:10	10 GAL	Sewer Service Line	41699	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938219	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1107 S 32ND ST	08/04/09 12:07: PM	8/4/2009 12:15	10 GAL	Sewer Service Line	126221	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938221	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1335 WELLER AVE	08/04/09 12:16: PM	8/4/2009 12:20	10 GAL	Sewer Service Line	063A01210000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938223	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	209 S SPRING ST	08/04/09 9:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	G09078029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938226	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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MORRIS FORMAN	KY0022411	1426 LARCHMONT AVE	08/04/09 10:30: AM	8/4/2009 10:40	10 GAL	Sewer Service Line	T08022019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938229	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	108 N 39TH ST	08/04/09 9:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	128204	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938230	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1436 LARCHMONT AVE	08/04/09 10:50: AM	8/4/2009 11:15	10 GAL	Sewer Service Line	T08017019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938233	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	606 CREEL AVE	08/04/09 12:15: PM	8/4/2009 12:20	10 GAL	Sewer Service Line	R05227089	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938239	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1220 OLEANDA AVE	08/04/09 12:25: PM	8/4/2009 12:30	5 GAL	Sewer Service Line	051D02240000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938244	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1218 RAMMERS AVE	08/04/09 1:29: PM	8/4/2009 13:30	1 GAL	Sewer Service Line	85951	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938247	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1521 CHRISTY AVE	08/04/09 9:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	19807	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938250	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1057 S 43RD ST	08/04/09 12:45: PM	8/4/2009 12:50	1 GAL	Sewer Service Line	130066	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938252	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	113 N 38TH ST	08/04/09 12:10: PM	8/4/2009 12:11	1 GAL	Sewer Service Line	127885	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938254	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	104 E BRECKINRIDGE ST	08/04/09 12:15: PM	8/4/2009 12:24	1 GAL	Sewer Service Line	7878	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938255	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2435 SHERRY RD	08/04/09 12:25: PM	8/4/2009 12:28	1 GAL	Sewer Service Line	KK12726019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938258	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	746 S 39TH ST	08/04/09 12:35: PM	8/4/2009 12:40	10 GAL	Sewer Service Line	128425	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938263	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	604 COUNTRY CLUB RD	08/04/09 9:30: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	088R00250000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938268	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	621 BEECHER ST	08/04/09 12:33: PM	8/4/2009 12:36	1 GAL	Sewer Service Line	U09322049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938270	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1765 W LEE ST	08/04/09 9:20: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	58735	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938276	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	653 SOUTHWESTERN PKY	08/04/09 2:30: PM	8/4/2009 14:46	1 GAL	Sewer Service Line	B11537019	LACK OF SEWER CAPACITY	LACK OF SYSTEM CAPACITY	938317	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	834 S 41ST ST	08/04/09 12:05: PM	8/4/2009 12:09	1 GAL	Sewer Service Line	129146	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938319	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1329 SALE AVE	08/04/09 12:55: PM	8/4/2009 13:00	10 GAL	Sewer Service Line	064C01130000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938321	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	501 AMY AVE	08/04/09 2:30: PM	8/4/2009 14:51	1 GAL	Sewer Service Line	B08203029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938323	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	4003 W MUHAMMAD ALI BLVD	08/04/09 2:30: PM	8/4/2009 14:57	1 GAL	Sewer Service Line	73502	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938327	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT NEEDED BY MSD
MORRIS FORMAN	KY0022411	2327 MAPLE ST	08/04/09 12:06: PM	8/4/2009 12:08	1 GAL	Sewer Service Line	O01513529	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938330	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	926 BURTON AVE	08/04/09 9:30: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	13396	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938331	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1411 WILLS CT	08/04/09 1:05: PM	8/4/2009 13:10	10 GAL	Sewer Service Line	049L00540000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938334	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	520 W CHESTNUT ST	08/04/09 9:30: AM	8/4/2009 11:30	1 GAL	Sewer Service Line	45192	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938337	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1303 HOMEVIEW DR	08/04/09 3:00: PM	8/4/2009 15:11	1 GAL	Sewer Service Line	063H00630000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938338	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	920 S 41ST ST	08/04/09 9:30: AM	8/4/2009 11:30	1 GAL	Sewer Service Line	129155	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938339	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4118 RIVER PARK DR	08/04/09 3:00: PM	8/4/2009 15:16	1 GAL	Sewer Service Line	B10607029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938340	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	742 ZIEGLER ST	08/04/09 1:15: PM	8/4/2009 13:20	10 GAL	Sewer Service Line	116126	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938341	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	407 N 43RD ST	08/04/09 9:30: AM	8/4/2009 11:30	1 GAL	Sewer Service Line	129743	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938342	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2800 CONESTOGA AVE	08/04/09 3:00: PM	8/4/2009 15:23	1 GAL	Sewer Service Line	040B01660000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938346	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	744 S 44TH ST	08/04/09 9:30: AM	8/4/2009 11:30	1 GAL	Sewer Service Line	130342	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938347	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4400 VIRGINIA AVE	08/04/09 12:35: PM	8/4/2009 12:37	1 GAL	Sewer Service Line	P07357029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938348	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4423 PARKER AVE	08/04/09 1:25: PM	8/4/2009 13:30	10 GAL	Sewer Service Line	82413	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938351	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1835 BONNYCASTLE AVE	08/04/09 9:30: AM	8/4/2009 11:30	1 GAL	Sewer Service Line	10374	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938352	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1308 CECIL AVE	08/04/09 3:00: PM	8/4/2009 15:27	1 GAL	Sewer Service Line	19632D	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938353	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	712 COLORADO AVE	08/04/09 9:45: AM	8/4/2009 11:30	1 GAL	Sewer Service Line	21482	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938359	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	429 S 29TH ST	08/04/09 9:45: AM	8/4/2009 11:45	1 GAL	Sewer Service Line	X241429	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938360	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1817 ALGONQUIN PKY	08/04/09 1:45: PM	8/4/2009 14:15	10 GAL	Sewer Service Line	041E00290000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938362	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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OVERFLOWS TO INTERIOR
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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	1061 CECIL AVE	08/04/09 2:03: PM	8/4/2009 14:03	1 GAL	Sewer Service Line	18905	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938363	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	415 SOUTHWESTERN PKY	08/04/09 9:45: AM	8/4/2009 11:45	1 GAL	Sewer Service Line	B06904029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938365	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2444 LINDBERGH DR	08/04/09 3:00: PM	8/4/2009 15:35	1 GAL	Sewer Service Line	60388	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938367	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2607 OREGON AVE	08/04/09 2:02: PM	8/4/2009 14:03	1 GAL	Sewer Service Line	78642	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938369	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1185 LINCOLN AVE	08/04/09 2:07: PM	8/4/2009 14:07	1 GAL	Sewer Service Line	60067	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938372	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1628 CATALPA ST	08/04/09 9:45: AM	8/4/2009 11:45	1 GAL	Sewer Service Line	131102	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938373	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	414 S 34TH ST	08/04/09 9:45: AM	8/4/2009 11:45	1 GAL	Sewer Service Line	B07991019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938376	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4328 S 2ND ST	08/04/09 2:20: PM	8/4/2009 15:00	10 GAL	Sewer Service Line	117183D	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938378	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2412 BRADLEY AVE	08/04/09 2:11: PM	8/4/2009 14:11	1 GAL	Sewer Service Line	KK12702069	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938382	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1307 HOMEVIEW DR	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	063H00610000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938383	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1401 S 2ND ST	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	L08708039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938388	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	222 N LONGWORTH AVE	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	61632	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938393	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2118 DIXDALE AVE	08/04/09 3:15: PM	8/4/2009 15:30	1 GAL	Sewer Service Line	O06863019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938396	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4720 S 2ND ST	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	058C00570000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938399	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	376 N 41ST ST	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	128884	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938401	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2310 BURWELL AVE	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	13782	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938404	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4607 N RUTLAND AVE	08/04/09 3:00: PM	8/4/2009 15:05	10 GAL	Sewer Service Line	F3084607	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938405	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	301 YORK ST	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	115476	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938409	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1026 SALE AVE	08/04/09 3:10: PM	8/4/2009 15:15	10 GAL	Sewer Service Line	052A01390000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938417	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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MORRIS FORMAN	KY0022411	3805 HALE AVE	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	P07691059	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938423	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	217 ASHBURY RD	08/04/09 3:25: PM	8/4/2009 15:30	10 GAL	Sewer Service Line	V09031029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938428	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	605 E BRANDEIS AVE	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	L14750049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938430	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	811 S 42ND ST	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	P06878019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938436	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	809 W EVELYN AVE	08/04/09 3:35: PM	8/4/2009 15:40	10 GAL	Sewer Service Line	U08639019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938439	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	612 FLORAL TER	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	R05927029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938440	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	608 S 35TH ST	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	B11290019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938445	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4308 S 3RD ST	08/04/09 3:45: PM	8/4/2009 15:50	10 GAL	Sewer Service Line	055J00400000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938450	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1117 HATHAWAY AVE	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	052D00820000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938451	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	325 N 45TH ST	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	130389	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938454	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2121 ALGONQUIN PKY	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	041E00070000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938459	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1519 GODDARD AVE	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	32063	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938469	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1214 LONGFIELD AVE	08/04/09 10:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	62499	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938475	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	110 NORTHWESTERN PKY	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	75837	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938482	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	228 N LONGWORTH AVE	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	A09210019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938491	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1602 WHIPPOORWILL RD	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	086B01430000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938506	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	5009 S 4TH ST	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	V08826029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938511	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4323 S 2ND ST	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	055K00050000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938517	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	206 E SOUTHERN HEIGHTS AVE	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	206G296	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938525	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

**APPENDIX B-5
OVERFLOWS TO INTERIOR
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	2102 DIXDALE AVE	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	286800050000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938528	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	3140 S CRUMS LN	08/04/09 4:45: PM	8/4/2009 17:15	10 GAL	Sewer Service Line	124793140	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938530	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4917 DETERMINE LN	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	124394917	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938535	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	113 N 20TH ST	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	123195	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938537	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	300 S 41ST ST	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	129012	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938539	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1201 S 4TH ST	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	32711201	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938541	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1259 FARMDALE AVE	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	33973	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938543	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2116 DIXDALE AVE	08/04/09 10:30: AM	8/4/2009 12:30	1 GAL	Sewer Service Line	O06864049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938545	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2108 BURWELL AVE	08/04/09 11:00: AM	8/4/2009 13:00	1 GAL	Sewer Service Line	041E01030000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938546	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	911 DRESDEN AVE	08/04/09 11:00: AM	8/4/2009 13:00	1 GAL	Sewer Service Line	U08521019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938547	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	210 N 35TH ST	08/04/09 11:00: AM	8/4/2009 13:00	1 GAL	Sewer Service Line	127110	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938549	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3524 LENTZ AVE	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	58783	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938553	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	316 GLENDORA AVE	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	51051	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938554	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	110 FREEMAN AVE	08/04/09 11:00: AM	8/4/2009 13:00	1 GAL	Sewer Service Line	Y11485019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938557	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1313 CLARA AVE	08/04/09 11:00: AM	8/4/2009 13:00	1 GAL	Sewer Service Line	T08983039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938560	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1415 RHONDA WAY	08/04/09 11:00: AM	8/4/2009 13:00	1 GAL	Sewer Service Line	090D01000000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938567	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	511 MONTANA AVE	08/04/09 6:22: PM	8/4/2009 18:22	1 GAL	Sewer Service Line	71876	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938569	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	903 DENMARK ST	08/04/09 11:00: AM	8/4/2009 13:00	1 GAL	Sewer Service Line	U08798049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938570	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	742 HEYWOOD AVE	08/04/09 11:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	42165	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938571	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
DEREK R. GUTHRIE	KY0078956	5123 CANE RUN RD	08/04/09 6:26: PM	8/4/2009 18:26	1 GAL	Sewer Service Line	139995123	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938572	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	7903 CORTLAND DR	08/04/09 11:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	PB13736019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938573	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2307 PLANTATION DR	08/04/09 11:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	109701110000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938574	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1758 ALGONQUIN PKY	08/04/09 6:30: PM	8/4/2009 18:30	1 GAL	Sewer Service Line	041J00790000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938575	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1205 S 41ST ST	08/04/09 11:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	129207	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938576	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4503 DUMESNIL ST	08/04/09 6:33: PM	8/4/2009 18:33	1 GAL	Sewer Service Line	33899	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938578	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2528 ST XAVIER ST	08/04/09 11:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	99799	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938580	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1265 SPRINGDALE DR	08/04/09 11:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	KK13382439	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938582	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1827 BURWELL AVE	08/04/09 11:00: AM	8/4/2009 12:00	1 GAL	Sewer Service Line	041D004230000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938584	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	810 LYDIA ST	08/04/09 11:00: AM	8/4/2009 13:00	1 GAL	Sewer Service Line	K08432049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938587	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1425 PHYLLIS AVE	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	063M00520000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938588	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1616 BELMAR DR	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	KK14857819	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938590	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	6302 NOTTO CT	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	DE30892019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938592	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3315 LAWRENCE DR	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	58463	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938594	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4001 RIVER PARK DR	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	B10209019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938596	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4553 S 1ST ST	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	V09873019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938598	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4003 RIVER PARK DR	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	88911	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938599	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1117 LINCOLN AVE	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	60038	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938601	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	8 ADDISON CT	08/04/09 7:10: PM	8/4/2009 19:10	1 GAL	Sewer Service Line	2260	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938602	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	1505 ANNA LN	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	2853	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938605	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2101 GARRS LN	08/04/09 7:14: PM	8/4/2009 19:14	1 GAL	Sewer Service Line	101502410000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938608	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2204 DEVERON DR	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	118901150000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938611	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1209 CARRICO AVE	08/04/09 7:16: PM	8/4/2009 19:17	1 GAL	Sewer Service Line	W11494029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938613	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	651 SOUTHWESTERN PKY	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	B11538019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938616	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2308 DIXDALE AVE	08/04/09 7:19: PM	8/4/2009 19:20	1 GAL	Sewer Service Line	O06850019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938617	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1543 DUMESNIL ST	08/04/09 7:22: PM	8/4/2009 19:22	1 GAL	Sewer Service Line	27603	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938620	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1808 S 22ND ST	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	123908	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938622	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4605 GLENNA WAY	08/04/09 7:28: PM	8/4/2009 19:28	1 GAL	Sewer Service Line	PB18497049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938625	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1838 BURWELL AVE	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	13670	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938626	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	642 S 43RD ST	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	129926	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938628	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1501 LARCHMONT AVE	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	139473	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938630	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2124 DIXDALE AVE	08/04/09 7:47: PM	8/4/2009 19:48	1 GAL	Sewer Service Line	O06860029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938636	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	818 S 31ST ST	08/04/09 9:06: PM	8/4/2009 21:06	1 GAL	Sewer Service Line	125870	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938664	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1807 S 23RD ST	08/04/09 12:00: PM	8/4/2009 13:00	1 GAL	Sewer Service Line	O06173029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938715	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4307 S 3RD ST	08/05/09 8:44: AM	8/5/2009 8:47	1 GAL	Sewer Service Line	055J00650000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938727	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4034 TAYLOR BLVD	08/05/09 8:56: AM	8/5/2009 8:57	1 GAL	Sewer Service Line	066A00260000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938734	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3644 LENTZ AVE	08/05/09 9:00: AM	8/5/2009 9:04	1 GAL	Sewer Service Line	065B01130000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938736	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4010 BEAVER ST	08/05/09 9:09: AM	8/5/2009 9:10	1 GAL	Sewer Service Line	4726	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938738	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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MORRIS FORMAN	KY0022411	4215 ESTATE DR	08/05/09 9:17: AM	8/5/2009 9:18	1 GAL	Sewer Service Line	090D00320000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938745	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1412 GARVEY DR	08/05/09 9:21: AM	8/5/2009 9:21	1 GAL	Sewer Service Line	090D00800000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938747	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1279 WELLER AVE	08/05/09 9:23: AM	8/5/2009 9:24	1 GAL	Sewer Service Line	063B01280000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938749	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	512 FORUM AVE	08/05/09 9:27: AM	8/5/2009 9:27	1 GAL	Sewer Service Line	060G00700000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938752	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1207 VALLEY DR	08/05/09 9:28: AM	8/5/2009 9:29	1 GAL	Sewer Service Line	105257	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938753	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3820 DARLENE DR	08/05/09 9:30: AM	8/5/2009 9:31	1 GAL	Sewer Service Line	54541	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938754	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	3116 TEAKWOOD CIR	08/05/09 9:32: AM	8/5/2009 9:32	1 GAL	Sewer Service Line	124753116	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938755	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	132 N 38TH ST	08/05/09 9:33: AM	8/5/2009 9:33	1 GAL	Sewer Service Line	127882	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938757	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2122 BECKER CT	08/05/09 9:33: AM	8/5/2009 9:33	1 GAL	Sewer Service Line	110700460000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938758	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3022 ROWAN ST	08/05/09 9:35: AM	8/5/2009 9:35	1 GAL	Sewer Service Line	C12231089	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938760	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1009 WOODWAY LN	08/05/09 9:37: AM	8/5/2009 9:38	1 GAL	Sewer Service Line	168648	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938762	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4110 CLYDE DR	08/05/09 9:38: AM	8/5/2009 9:39	1 GAL	Sewer Service Line	124000860000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938763	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3115 DR WILLIAM G WEATHER DR	08/05/09 9:40: AM	8/5/2009 9:41	1 GAL	Sewer Service Line	1394712	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938767	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2219 THISTLEDAWN DR	08/05/09 9:42: AM	8/5/2009 9:42	1 GAL	Sewer Service Line	103877	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938769	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1100 FORREST ST	08/05/09 9:43: AM	8/5/2009 9:43	1 GAL	Sewer Service Line	K07920029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938770	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	5617 SOUTHERN PKY	08/05/09 9:45: AM	8/5/2009 9:46	1 GAL	Sewer Service Line	97114	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938773	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4917 S 4TH ST	08/05/09 9:51: AM	8/5/2009 9:51	1 GAL	Sewer Service Line	119660	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938780	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3823 PARKER AVE	08/05/09 9:55: AM	8/5/2009 9:55	1 GAL	Sewer Service Line	82322	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938783	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	827 TEXAS AVE	08/05/09 9:58: AM	8/5/2009 9:59	1 GAL	Sewer Service Line	K07746019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938787	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

**APPENDIX B-5
OVERFLOWS TO INTERIOR
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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	1631 S 28TH ST	08/05/09 10:01: AM	8/5/2009 10:02	1 GAL	Sewer Service Line	125503	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938789	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4124 HAZELWOOD AVE	08/05/09 10:02: AM	8/5/2009 10:02	1 GAL	Sewer Service Line	066E01610000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938790	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	3405 JANELL RD	08/05/09 10:05: AM	8/5/2009 10:05	1 GAL	Sewer Service Line	133212	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938794	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4409 JEWELL AVE	08/05/09 10:09: AM	8/5/2009 10:10	1 GAL	Sewer Service Line	52434	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938796	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	110 S 39TH ST	08/05/09 10:14: AM	8/5/2009 10:14	1 GAL	Sewer Service Line	128278	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938800	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4129 HILLVIEW AVE	08/05/09 10:17: AM	8/5/2009 10:18	1 GAL	Sewer Service Line	56639	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938803	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER THAT MSD'S PORTION IS CLEAR CONTACT A PLUMBER IF WATER HAS NOT RECEDED
MORRIS FORMAN	KY0022411	1700 W BRECKINRIDGE ST	08/05/09 10:21: AM	8/5/2009 10:21	1 GAL	Sewer Service Line	10300	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938806	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	1912 GARRS LN	08/05/09 10:24: AM	8/5/2009 10:24	1 GAL	Sewer Service Line	33088	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938807	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2336 DATE ST	08/05/09 10:25: AM	8/5/2009 10:26	1 GAL	Sewer Service Line	002542369	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938809	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4023 LAMBERT AVE	08/05/09 9:45: AM	8/5/2009 10:27	1 GAL	Sewer Service Line	56891	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938810	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED THE CUSTOMER TO CONTACT A PLUMBER
DEREK R. GUTHRIE	KY0078956	5005 INVICTA DR	08/05/09 10:28: AM	8/5/2009 10:28	1 GAL	Sewer Service Line	90825005	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938813	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1209 S 45TH ST	08/05/09 10:30: AM	8/5/2009 10:31	1 GAL	Sewer Service Line	047F01730000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938819	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
FLOYDS FORK	KY0102784	12509 URTON LN	08/05/09 10:33: AM	8/5/2009 10:33	1 GAL	Sewer Service Line	185401850000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938822	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	957 BARRET AVE	08/05/09 10:33: AM	8/5/2009 10:34	1 GAL	Sewer Service Line	6339	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938826	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4811 CLIFF AVE	08/05/09 10:37: AM	8/5/2009 10:37	1 GAL	Sewer Service Line	054G00200000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938827	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1736 S 23RD ST	08/05/09 10:40: AM	8/5/2009 10:40	1 GAL	Sewer Service Line	124090	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938831	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	736 S 44TH ST	08/05/09 10:43: AM	8/5/2009 10:43	1 GAL	Sewer Service Line	130338	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938834	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	1911 NEVILLE DR	08/05/09 10:45: AM	8/5/2009 10:45	1 GAL	Sewer Service Line	101502190000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938836	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	970 SWAN ST	08/05/09 10:48: AM	8/5/2009 10:48	1 GAL	Sewer Service Line	K11003519	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938840	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	4308 LEAF DR	08/05/09 10:53: AM	8/5/2009 10:53	1 GAL	Sewer Service Line	090F01850000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938841	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1120 BERRY BLVD	08/05/09 10:56: AM	8/5/2009 10:57	1 GAL	Sewer Service Line	U10478099	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938842	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	726 S 39TH ST	08/05/09 11:00: AM	8/5/2009 11:00	1 GAL	Sewer Service Line	128420	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938844	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2340 HAWTHORNE AVE	08/05/09 11:05: AM	8/5/2009 11:05	1 GAL	Sewer Service Line	081C00230000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938846	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	620 PEARSON CT	08/05/09 11:13: AM	8/5/2009 11:13	1 GAL	Sewer Service Line	581619	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938849	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1005 SOUTHWESTERN PKY	08/05/09 11:16: AM	8/5/2009 11:16	1 GAL	Sewer Service Line	152880	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938851	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1119 BERRY BLVD	08/05/09 11:18: AM	8/5/2009 11:19	1 GAL	Sewer Service Line	052A00130000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938853	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1302 HIGHLAND AVE	08/05/09 11:18: AM	8/5/2009 11:19	1 GAL	Sewer Service Line	J05891049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938854	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4036 TAYLOR BLVD	08/05/09 11:21: AM	8/5/2009 11:21	1 GAL	Sewer Service Line	066A00250000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938856	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	200 ALGER AVE	08/05/09 11:22: AM	8/5/2009 11:23	1 GAL	Sewer Service Line	Y11518079	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938857	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3015 GAREY LN	08/05/09 11:26: AM	8/5/2009 11:26	1 GAL	Sewer Service Line	RR10294049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938859	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4516 GRAND AVE	08/05/09 11:30: AM	8/5/2009 11:30	1 GAL	Sewer Service Line	43033	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938863	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3711 WHEELER AVE	08/05/09 11:31: AM	8/5/2009 11:31	1 GAL	Sewer Service Line	065C00790000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938864	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4314 NANEEN DR	08/05/09 11:33: AM	8/5/2009 11:33	1 GAL	Sewer Service Line	74246	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938866	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2749 BANK ST	08/05/09 11:34: AM	8/5/2009 11:34	1 GAL	Sewer Service Line	3296	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938867	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	117 BONNER AVE	08/05/09 11:36: AM	8/5/2009 11:36	1 GAL	Sewer Service Line	8299	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938868	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	604 MAYLAWN AVE	08/05/09 11:36: AM	8/5/2009 11:36	1 GAL	Sewer Service Line	083C00200156A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938869	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1756 W HILL ST	08/05/09 11:39: AM	8/5/2009 11:39	1 GAL	Sewer Service Line	041F01050000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	938871	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	850 S 32ND ST	08/05/09 11:39: AM	8/5/2009 11:40	1 GAL	Sewer Service Line	126108	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939021	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	3313 HUDSON AVE	08/05/09 11:41: AM	8/5/2009 11:41	1 GAL	Sewer Service Line	145483313A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939023	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1207 S 45TH ST	08/05/09 11:42: AM	8/5/2009 11:43	1 GAL	Sewer Service Line	130476	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939026	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4312 NANEEN DR	08/05/09 11:46: AM	8/5/2009 11:47	1 GAL	Sewer Service Line	090F00780000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939030	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4528 RIVERVIEW AVE	08/05/09 11:50: AM	8/5/2009 11:50	1 GAL	Sewer Service Line	88219	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939035	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	433 E SOUTHSIDE CT	08/05/09 11:53: AM	8/5/2009 11:53	1 GAL	Sewer Service Line	96562	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939039	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	3416 FERN LEA RD	08/05/09 11:56: AM	8/5/2009 11:57	1 GAL	Sewer Service Line	42684	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939041	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1338 EARL AVE	08/05/09 1:45: PM	8/5/2009 13:46	1 GAL	Sewer Service Line	27114	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939345	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1004 OAKWOOD AVE	08/05/09 1:52: PM	8/5/2009 13:53	1 GAL	Sewer Service Line	054B01170000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939348	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2113 S SHELBY ST	08/05/09 1:55: PM	8/5/2009 13:55	1 GAL	Sewer Service Line	94476	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939351	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4105 ESTATE DR	08/05/09 1:15: PM	8/5/2009 13:57	5 GAL	Sewer Service Line	090D01290000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939352	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	2302 CRUMS LN	08/05/09 2:05: PM	8/5/2009 14:05	1 GAL	Sewer Service Line	101504090000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939357	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4106 ESTATE DR	08/05/09 2:07: PM	8/5/2009 14:08	1 GAL	Sewer Service Line	090D01160000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939359	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4201 ESTATE DR	08/05/09 2:10: PM	8/5/2009 14:11	1 GAL	Sewer Service Line	090D00490000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939360	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3720 LARKWOOD AVE	08/05/09 2:13: PM	8/5/2009 14:14	1 GAL	Sewer Service Line	57742	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939363	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	905 SOUTHWESTERN PKY	08/05/09 2:18: PM	8/5/2009 14:18	1 GAL	Sewer Service Line	P06542029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939365	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	318 W ST CATHERINE ST	08/05/09 2:20: PM	8/5/2009 14:20	1 GAL	Sewer Service Line	135105	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939366	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	723 W WHITNEY AVE	08/05/09 2:21: PM	8/5/2009 14:21	1 GAL	Sewer Service Line	U09035099	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939368	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1076 EVERETT AVE	08/05/09 2:25: PM	8/5/2009 14:25	1 GAL	Sewer Service Line	075C01380000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939373	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4413 JEWELL AVE	08/05/09 2:28: PM	8/5/2009 14:28	1 GAL	Sewer Service Line	A08917019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939377	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

**APPENDIX B-5
OVERFLOWS TO INTERIOR
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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
DEREK R. GUTHRIE	KY0078956	2319 RAUSCH DR	08/05/09 2:30: PM	8/5/2009 14:30	1 GAL	Sewer Service Line	125300580000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939379	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1333 LILLIAN AVE	08/05/09 2:38: PM	8/5/2009 14:39	1 GAL	Sewer Service Line	60652	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939393	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1208 DRESDEN AVE	08/05/09 2:41: PM	8/5/2009 14:41	1 GAL	Sewer Service Line	052A00270000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939398	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2458 LINDBERGH DR	08/05/09 2:43: PM	8/5/2009 14:44	1 GAL	Sewer Service Line	60420	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939401	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	832 DENMARK ST	08/05/09 2:46: PM	8/5/2009 14:46	1 GAL	Sewer Service Line	052E01070000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939404	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	1870 FARNSLEY RD	08/05/09 2:49: PM	8/5/2009 14:50	1 GAL	Sewer Service Line	109201020000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939412	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	200 N 46TH ST	08/05/09 3:00: PM	8/5/2009 15:01	1 GAL	Sewer Service Line	130515	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939418	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4117 BURRELL DR	08/05/09 3:12: PM	8/5/2009 15:12	1 GAL	Sewer Service Line	13118	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939424	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2208 BURWELL AVE	08/05/09 3:16: PM	8/5/2009 15:17	1 GAL	Sewer Service Line	041E00630000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939430	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4112 CLYDE DR	08/05/09 3:19: PM	8/5/2009 15:19	1 GAL	Sewer Service Line	20911	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939434	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	120 S 46TH ST	08/05/09 3:20: PM	8/5/2009 15:21	1 GAL	Sewer Service Line	130547	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939436	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3651 LENTZ AVE	08/05/09 3:21: PM	8/5/2009 15:21	1 GAL	Sewer Service Line	065B00500000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939437	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1732 GREGG AVE	08/05/09 3:23: PM	8/5/2009 15:24	1 GAL	Sewer Service Line	041E00590000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939439	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1416 GARVEY DR	08/05/09 3:26: PM	8/5/2009 15:26	1 GAL	Sewer Service Line	090D01260000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939441	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	746 S 15TH ST	08/05/09 3:00: PM	8/5/2009 16:00	1 GAL	Sewer Service Line	D16026039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939443	CUSTOMER CLEANED THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF BACKUP CONTINUES
MORRIS FORMAN	KY0022411	905 KESWICK BLVD	08/05/09 3:29: PM	8/5/2009 15:29	1 GAL	Sewer Service Line	53487	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939444	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4636 S 1ST ST	08/05/09 3:32: PM	8/5/2009 15:32	1 GAL	Sewer Service Line	058D00920000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939446	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	822 S 41ST ST	08/05/09 3:37: PM	8/5/2009 15:37	1 GAL	Sewer Service Line	129137	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939449	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	112 N 44TH ST	08/05/09 3:43: PM	8/5/2009 15:43	1 GAL	Sewer Service Line	130125	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939453	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	3805 MIAMI AVE	08/05/09 3:45: PM	8/5/2009 15:45	1 GAL	Sewer Service Line	70208	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939455	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	415 E SOUTHSIDE CT	08/05/09 3:46: PM	8/5/2009 15:46	1 GAL	Sewer Service Line	059K01340000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939457	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	738 COLORADO AVE	08/05/09 3:47: PM	8/5/2009 15:47	1 GAL	Sewer Service Line	21432	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939460	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4838 BELLEVUE AVE	08/05/09 3:48: PM	8/5/2009 15:48	1 GAL	Sewer Service Line	054G00390000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939461	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	1717 COLONY CT	08/05/09 3:51: PM	8/5/2009 15:52	1 GAL	Sewer Service Line	21220	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939463	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3618 W KENTUCKY ST	08/05/09 3:53: PM	8/5/2009 15:54	1 GAL	Sewer Service Line	55371	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939466	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	3508 ROBIN DR	08/05/09 3:56: PM	8/5/2009 15:56	1 GAL	Sewer Service Line	116101020000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939468	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	1706 THERESA AVE	08/05/09 3:58: PM	8/5/2009 15:58	1 GAL	Sewer Service Line	108700390000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939469	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1415 CENTRAL AVE	08/05/09 4:00: PM	8/5/2009 16:01	1 GAL	Sewer Service Line	063G01430000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939472	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	413 S 38TH ST	08/05/09 4:01: PM	8/5/2009 16:01	1 GAL	Sewer Service Line	B07813039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939473	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1046 S 43RD ST	08/05/09 4:14: PM	8/5/2009 16:15	1 GAL	Sewer Service Line	130076	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939478	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4829 FIELDING WAY	08/05/09 4:22: PM	8/5/2009 16:22	1 GAL	Sewer Service Line	123544829	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939483	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	904 SOUTHWESTERN PKY	08/05/09 4:24: PM	8/5/2009 16:24	1 GAL	Sewer Service Line	P06095019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939484	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	118 S 39TH ST	08/05/09 4:26: PM	8/5/2009 16:26	1 GAL	Sewer Service Line	A08188059	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939485	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3653 LENTZ AVE	08/05/09 4:28: PM	8/5/2009 16:28	1 GAL	Sewer Service Line	065B00490000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939486	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4402 WINNROSE WAY	08/05/09 4:30: PM	8/5/2009 16:30	1 GAL	Sewer Service Line	047F02180000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939487	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	510 SCHOOL WAY	08/05/09 4:33: PM	8/5/2009 16:33	1 GAL	Sewer Service Line	V08314049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939488	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1761 W LEE ST	08/05/09 4:35: PM	8/5/2009 16:35	1 GAL	Sewer Service Line	58729	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939490	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3514 HENRY AVE	08/05/09 4:38: PM	8/5/2009 16:38	1 GAL	Sewer Service Line	052D00490000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939492	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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MORRIS FORMAN	KY0022411	746 S 15TH ST	08/05/09 3:00: PM	8/5/2009 15:30	5 GAL	Sewer Service Line	D16026039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939512	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4107 ST JOSEPH AVE	08/05/09 5:00: PM	8/5/2009 17:30	5 GAL	Sewer Service Line	99079	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939522	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3545 LENTZ AVE	08/05/09 10:45: AM	8/5/2009 11:15	1 GAL	Sewer Service Line	58818	LACK OF CAPACITY	LACK OF SYSTEM CAPACITY	939529	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4233 RIVER PARK DR	08/05/09 12:25: PM	8/5/2009 12:40	1 GAL	Sewer Service Line	88992D	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939535	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1026 S BROOK ST	08/05/09 3:40: PM	8/5/2009 16:00	1 GAL	Sewer Service Line	11447	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939541	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	424 S 28TH ST	08/06/09 8:31: AM	8/6/2009 8:31	1 GAL	Sewer Service Line	125117	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939629	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2201 PLANTATION DR	08/06/09 8:33: AM	8/6/2009 8:33	1 GAL	Sewer Service Line	109701220000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939631	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1532 S SHELBY ST	08/06/09 8:35: AM	8/6/2009 8:35	1 GAL	Sewer Service Line	94299	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939634	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1725 CLOVERBROOK DR	08/06/09 8:37: AM	8/6/2009 8:37	1 GAL	Sewer Service Line	45158	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939638	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	6802 BAHIA CT	08/06/09 8:40: AM	8/6/2009 8:40	1 GAL	Sewer Service Line	PB18279029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939643	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	6713 S 3RD ST	08/06/09 8:42: AM	8/6/2009 8:42	1 GAL	Sewer Service Line	118332	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939646	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	3119 TEAKWOOD CIR	08/06/09 8:43: AM	8/6/2009 8:44	1 GAL	Sewer Service Line	124753119	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939649	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1608 CYPRESS ST	08/06/09 8:58: AM	8/6/2009 8:58	1 GAL	Sewer Service Line	27837	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939664	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2318 RATCLIFFE AVE	08/06/09 9:02: AM	8/6/2009 9:02	1 GAL	Sewer Service Line	86584	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939668	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	718 COLORADO AVE	08/06/09 9:05: AM	8/6/2009 9:18	1 GAL	Sewer Service Line	21403	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939692	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1738 BERRY BLVD	08/06/09 9:30: AM	8/6/2009 9:47	1 GAL	Sewer Service Line	W07847069	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939730	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	5320 SOUTHDALE RD	08/06/09 10:26: AM	8/6/2009 10:26	1 GAL	Sewer Service Line	067J01520000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939761	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1117 LEHIGH AVE	08/06/09 10:28: AM	8/6/2009 10:29	1 GAL	Sewer Service Line	59201	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939765	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2148 ALGONQUIN PKY	08/06/09 9:45: AM	8/6/2009 10:20	1 GAL	Sewer Service Line	279600050000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939776	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT A PLUMBER IF WATER HAS NOT RECEDED

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OVERFLOWS TO INTERIOR
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	1300 CECIL AVE	08/06/09 10:42: AM	8/6/2009 10:43	1 GAL	Sewer Service Line	19615	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939777	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2146 ALGONQUIN PKY	08/06/09 9:45: AM	8/6/2009 10:20	1 GAL	Sewer Service Line	279600160000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939782	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT A PLUMBER IF WATER HAS NOT RECEDED
MORRIS FORMAN	KY0022411	2305 DIXDALE AVE	08/06/09 10:56: AM	8/6/2009 11:12	1 GAL	Sewer Service Line	25061	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939796	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3734 RIVER PARK DR	08/06/09 11:18: AM	8/6/2009 11:19	1 GAL	Sewer Service Line	B10999069	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939804	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	331 W KENWOOD WAY	08/06/09 11:21: AM	8/6/2009 11:21	1 GAL	Sewer Service Line	V08648039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939806	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4105 NORTH LN	08/06/09 11:23: AM	8/6/2009 11:24	1 GAL	Sewer Service Line	101504080000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939810	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2318 RATCLIFFE AVE	08/06/09 10:45: AM	8/6/2009 11:26	1 GAL	Sewer Service Line	86584	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939812	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	919 S 40TH ST	08/06/09 11:26: AM	8/6/2009 11:26	1 GAL	Sewer Service Line	128740	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939813	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1837 W LEE ST	08/06/09 11:58: AM	8/6/2009 11:58	1 GAL	Sewer Service Line	58765	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939837	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	433 S 28TH ST	08/06/09 11:45: AM	8/6/2009 12:04	1 GAL	Sewer Service Line	125125D	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939839	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2524 OSAGE AVE	08/06/09 12:25: PM	8/6/2009 12:40	1 GAL	Sewer Service Line	79375	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939880	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	5405 GALAXIE DR	08/06/09 1:43: PM	8/6/2009 13:43	1 GAL	Sewer Service Line	13180140B	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939901	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2441 CONCORD DR	08/06/09 1:51: PM	8/6/2009 13:51	1 GAL	Sewer Service Line	KK12766029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939913	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	370 N 41ST ST	08/06/09 1:55: PM	8/6/2009 13:55	1 GAL	Sewer Service Line	128854	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939915	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	626 S 38TH ST	08/06/09 1:57: PM	8/6/2009 13:57	1 GAL	Sewer Service Line	B10919019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939916	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4437 SANDERS LN	08/06/09 1:59: PM	8/6/2009 13:59	1 GAL	Sewer Service Line	090C01630000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939919	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3319 VETTER AVE	08/06/09 2:01: PM	8/6/2009 14:02	1 GAL	Sewer Service Line	051D01980000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939924	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1709 WILSON AVE	08/06/09 2:03: PM	8/6/2009 14:04	1 GAL	Sewer Service Line	111492	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939927	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1618 BELMAR DR	08/06/09 2:13: PM	8/6/2009 14:13	1 GAL	Sewer Service Line	KK14488029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939942	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

**APPENDIX B-5
OVERFLOWS TO INTERIOR
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	335 W KENWOOD WAY	08/06/09 2:32: PM	8/6/2009 14:32	1 GAL	Sewer Service Line	V08650079	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939969	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	7920 NOTTOWAY CIR	08/06/09 2:34: PM	8/6/2009 14:34	1 GAL	Sewer Service Line	DE31044019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939973	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1308 EARL AVE	08/06/09 2:37: PM	8/6/2009 14:37	1 GAL	Sewer Service Line	27140	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939975	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1560 MCKAY AVE	08/06/09 2:42: PM	8/6/2009 14:42	1 GAL	Sewer Service Line	KK14848489	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939979	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4106 DIENES WAY	08/06/09 2:45: PM	8/6/2009 14:45	1 GAL	Sewer Service Line	124794106AA	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939981	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4205 NANEEN DR	08/06/09 2:48: PM	8/6/2009 14:48	1 GAL	Sewer Service Line	74208	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939985	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2069 S SHELBY ST	08/06/09 2:50: PM	8/6/2009 14:51	1 GAL	Sewer Service Line	K07763019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939988	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	100 W ORMSBY AVE	08/06/09 1:00: PM	8/6/2009 13:30	1 GAL	Sewer Service Line	79105	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	939992	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	633 LINDELL AVE	08/06/09 3:00: PM	8/6/2009 15:01	1 GAL	Sewer Service Line	60488	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940611	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4015 DANA DR	08/06/09 3:06: PM	8/6/2009 15:06	1 GAL	Sewer Service Line	090F00560000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940615	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4144 FORDSON WAY	08/06/09 3:08: PM	8/6/2009 15:08	1 GAL	Sewer Service Line	39061	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940616	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4605 N RUTLAND AVE	08/06/09 3:10: PM	8/6/2009 15:10	1 GAL	Sewer Service Line	F3084605	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940617	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1624 HEMLOCK CT	08/06/09 3:13: PM	8/6/2009 15:13	1 GAL	Sewer Service Line	O00763019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940619	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	113 NORTHWESTERN PKY	08/06/09 3:31: PM	8/6/2009 15:32	1 GAL	Sewer Service Line	75806	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940636	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4311 NANEEN DR	08/06/09 3:34: PM	8/6/2009 15:34	1 GAL	Sewer Service Line	090F01480000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940638	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4101 NORTH LN	08/06/09 3:37: PM	8/6/2009 15:37	1 GAL	Sewer Service Line	101503260000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940644	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1423 S 32ND ST	08/06/09 3:41: PM	8/6/2009 15:41	1 GAL	Sewer Service Line	126311	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940650	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2115 DIXDALE AVE	08/06/09 3:55: PM	8/6/2009 15:56	1 GAL	Sewer Service Line	25037	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940663	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2809 RALPH AVE	08/06/09 3:59: PM	8/6/2009 15:59	1 GAL	Sewer Service Line	86329	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940666	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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OVERFLOWS TO INTERIOR
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
DEREK R. GUTHRIE	KY0078956	4009 DELORES AVE	08/06/09 4:17: PM	8/6/2009 16:17	1 GAL	Sewer Service Line	RR15272029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940677	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1612 DIXDALE AVE	08/06/09 4:22: PM	8/6/2009 16:23	1 GAL	Sewer Service Line	041K00230000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940680	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1238 BICKNELL AVE	08/06/09 4:29: PM	8/6/2009 16:30	1 GAL	Sewer Service Line	W11421039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940682	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	647 S 42ND ST	08/06/09 4:33: PM	8/6/2009 16:33	1 GAL	Sewer Service Line	129499	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940685	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4506 GRAND AVE	08/06/09 4:36: PM	8/6/2009 16:36	1 GAL	Sewer Service Line	43011	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940689	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	6005 CATHEEN WAY	08/06/09 4:47: PM	8/6/2009 16:48	1 GAL	Sewer Service Line	063203310000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940697	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2105 GARRS LN	08/06/09 4:52: PM	8/6/2009 16:53	1 GAL	Sewer Service Line	101502540000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940701	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1730 CLOVERBROOK DR	08/06/09 4:56: PM	8/6/2009 16:56	1 GAL	Sewer Service Line	45166	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940704	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	113 N SHAWNEE TER	08/06/09 4:59: PM	8/6/2009 16:59	1 GAL	Sewer Service Line	A09001029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940705	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4311 DOHN AVE	08/06/09 5:01: PM	8/6/2009 17:02	1 GAL	Sewer Service Line	124804311	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940708	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	509 MONTANA AVE	08/06/09 5:08: PM	8/6/2009 17:08	1 GAL	Sewer Service Line	71874	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940711	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1109 BAXTER AVE	08/06/09 5:10: PM	8/6/2009 17:11	1 GAL	Sewer Service Line	J06275029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940713	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1420 GARVEY DR	08/06/09 5:12: PM	8/6/2009 17:13	1 GAL	Sewer Service Line	090D01270000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940716	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3220 W KENTUCKY ST	08/06/09 5:15: PM	8/6/2009 17:15	1 GAL	Sewer Service Line	54685	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940718	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1728 CLOVERBROOK DR	08/06/09 5:17: PM	8/6/2009 17:18	1 GAL	Sewer Service Line	45169	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940719	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	807 S 32ND ST	08/06/09 5:20: PM	8/6/2009 17:20	1 GAL	Sewer Service Line	126129	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940722	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	200 ABRAHAM FLEXNER WAY	08/06/09 5:21: PM	8/6/2009 17:21	1 GAL	Sewer Service Line	016B00260000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940723	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	1822 FARNSLEY RD	08/06/09 5:22: PM	8/6/2009 17:22	1 GAL	Sewer Service Line	109200890000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940724	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	824 FETTER AVE	08/06/09 5:25: PM	8/6/2009 17:25	1 GAL	Sewer Service Line	K07703019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940727	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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MORRIS FORMAN	KY0022411	1738 BERRY BLVD	08/06/09 12:15: PM	8/6/2009 12:30	1 GAL	Sewer Service Line	W07847069	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940728	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	505 UPLAND RD	08/06/09 5:27: PM	8/6/2009 17:28	1 GAL	Sewer Service Line	H06966079	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940729	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1360 S 1ST ST	08/06/09 5:30: PM	8/6/2009 17:30	1 GAL	Sewer Service Line	L08544029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940730	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4106 BURRELL DR	08/05/09 10:00: AM	8/5/2009 10:30	1 GAL	Sewer Service Line	13090	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940748	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANIGN THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	314 W KENWOOD WAY	08/07/09 9:27: AM	8/7/2009 9:27	1 GAL	Sewer Service Line	V08635039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940867	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	7923 NOTTOWAY CIR	08/07/09 9:29: AM	8/7/2009 9:30	1 GAL	Sewer Service Line	DE31274029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940871	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2718 PIONEER RD	08/07/09 9:32: AM	8/7/2009 9:33	1 GAL	Sewer Service Line	108500770000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940874	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	621 HARRISON AVE	08/07/09 9:35: AM	8/7/2009 9:35	1 GAL	Sewer Service Line	48999	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940878	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2309 CHALMER CT	08/07/09 9:38: AM	8/7/2009 9:38	1 GAL	Sewer Service Line	23431	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940881	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1404 CENTRAL AVE	08/07/09 9:40: AM	8/7/2009 9:41	1 GAL	Sewer Service Line	T07889039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940884	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	1868 FARNSLEY RD	08/07/09 9:43: AM	8/7/2009 9:44	1 GAL	Sewer Service Line	109201210000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940886	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3123 SUNNY LN	08/07/09 9:46: AM	8/7/2009 9:46	1 GAL	Sewer Service Line	087H00360000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940888	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1357 SALE AVE	08/07/09 9:48: AM	8/7/2009 9:48	1 GAL	Sewer Service Line	064C01250000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940890	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3739 POWELL AVE	08/07/09 9:50: AM	8/7/2009 9:51	1 GAL	Sewer Service Line	065D01850000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940891	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	105 NORTHWESTERN PKY	08/07/09 10:11: AM	8/7/2009 10:11	1 GAL	Sewer Service Line	75799	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940904	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	3456 FERNHEATHER DR	08/07/09 10:22: AM	8/7/2009 10:22	1 GAL	Sewer Service Line	RR14496019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940912	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4730 S RUTLAND AVE	08/07/09 10:25: AM	8/7/2009 10:25	1 GAL	Sewer Service Line	35774730	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940915	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1111 SOUTHWESTERN PKY	08/07/09 10:28: AM	8/7/2009 10:28	1 GAL	Sewer Service Line	P06418019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	940920	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1411 WEYLER AVE	08/07/09 12:51: PM	8/7/2009 12:52	1 GAL	Sewer Service Line	157848	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941006	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

**APPENDIX B-5
OVERFLOWS TO INTERIOR
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	3678 KAHLERT AVE	08/07/09 12:55: PM	8/7/2009 12:55	1 GAL	Sewer Service Line	065B00080000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941011	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4115 W MAIN ST	08/07/09 12:57: PM	8/7/2009 12:57	1 GAL	Sewer Service Line	66082	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941016	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3327 LINWOOD AVE	08/07/09 2:03: PM	8/7/2009 14:04	1 GAL	Sewer Service Line	145483327B	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941058	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	817 LYDIA ST	08/07/09 2:06: PM	8/7/2009 14:07	1 GAL	Sewer Service Line	K08599059	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941065	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	923 CECIL AVE	08/07/09 2:09: PM	8/7/2009 14:09	1 GAL	Sewer Service Line	18695	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941070	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1435 CENTRAL AVE	08/07/09 2:31: PM	8/7/2009 14:31	1 GAL	Sewer Service Line	T07840029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941084	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	629 S 36TH ST	08/07/09 2:34: PM	8/7/2009 14:34	1 GAL	Sewer Service Line	006G01090000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941085	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	541 N 44TH ST	08/07/09 2:38: PM	8/7/2009 14:38	1 GAL	Sewer Service Line	130198	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941087	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1422 GARVEY DR	08/07/09 2:40: PM	8/7/2009 14:41	1 GAL	Sewer Service Line	090D01250000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941088	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4007 DANA DR	08/07/09 2:43: PM	8/7/2009 14:43	1 GAL	Sewer Service Line	25482	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941090	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2703 NARRAGANSETT DR	08/07/09 2:45: PM	8/7/2009 14:46	1 GAL	Sewer Service Line	O00952539	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941092	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4725 S 3RD ST	08/08/09 8:11: AM	8/8/2009 8:11	1 GAL	Sewer Service Line	058C00400000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941313	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2325 LINDSEY DR	08/08/09 8:13: AM	8/8/2009 8:13	1 GAL	Sewer Service Line	102005810000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941314	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4630 VARBLE AVE	08/08/09 8:15: AM	8/8/2009 8:15	1 GAL	Sewer Service Line	105661	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941315	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	959 MCKINLEY AVE	08/08/09 8:17: AM	8/8/2009 8:17	1 GAL	Sewer Service Line	KK11046019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941316	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2328 MEDFORD LN	08/08/09 10:37: AM	8/8/2009 10:38	1 GAL	Sewer Service Line	70169	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941328	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1337 LILLIAN AVE	08/08/09 10:46: AM	8/8/2009 10:47	1 GAL	Sewer Service Line	60654	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941331	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2525 JENLEE LN	08/08/09 10:49: AM	8/8/2009 10:50	1 GAL	Sewer Service Line	51385	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941332	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3411 PRESTWOOD DR	08/08/09 10:52: AM	8/8/2009 10:52	1 GAL	Sewer Service Line	PA06363019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941333	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	1423 DELMAR LN	08/08/09 10:54: AM	8/8/2009 10:55	1 GAL	Sewer Service Line	090D00680000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941335	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	137 N 40TH ST	08/08/09 10:57: AM	8/8/2009 10:57	1 GAL	Sewer Service Line	A08228029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941336	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1405 GARVEY DR	08/08/09 10:59: AM	8/8/2009 10:59	1 GAL	Sewer Service Line	090D01090000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941337	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2025 S 16TH ST	08/08/09 11:01: AM	8/8/2009 11:01	1 GAL	Sewer Service Line	158855	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941338	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1402 GARVEY DR	08/08/09 11:03: AM	8/8/2009 11:03	1 GAL	Sewer Service Line	090D00810000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941339	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1124 LARCHMONT AVE	08/08/09 11:05: AM	8/8/2009 11:06	1 GAL	Sewer Service Line	57687	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941340	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3922 S 3RD ST	08/08/09 11:08: AM	8/8/2009 11:08	1 GAL	Sewer Service Line	055E00180000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941341	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3307 HUDSON AVE	08/08/09 11:11: AM	8/8/2009 11:11	1 GAL	Sewer Service Line	145483307A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941342	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	212 S 41ST ST	08/08/09 11:12: AM	8/8/2009 11:12	1 GAL	Sewer Service Line	129000	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941343	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	3212 WESSEL RD	08/08/09 11:14: AM	8/8/2009 11:15	1 GAL	Sewer Service Line	109299	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941344	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	3630 ROBIN DR	08/08/09 11:17: AM	8/8/2009 11:17	1 GAL	Sewer Service Line	116100810000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941345	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1544 KNIGHT RD	08/08/09 11:19: AM	8/8/2009 11:19	1 GAL	Sewer Service Line	090H00290000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941346	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	409 S 38TH ST	08/08/09 11:22: AM	8/8/2009 11:22	1 GAL	Sewer Service Line	128036	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941347	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4113 BURRELL DR	08/08/09 11:24: AM	8/8/2009 11:24	1 GAL	Sewer Service Line	13105	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941348	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1721 MARLOW RD	08/08/09 11:26: AM	8/8/2009 11:27	1 GAL	Sewer Service Line	68448	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941349	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2823 7TH STREET RD	08/08/09 11:29: AM	8/8/2009 11:29	1 GAL	Sewer Service Line	RR09855579	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941350	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4309 STOLTZ CT	08/08/09 11:33: AM	8/8/2009 11:33	1 GAL	Sewer Service Line	100164	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941351	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	912 BRENTWOOD AVE	08/08/09 11:36: AM	8/8/2009 11:36	1 GAL	Sewer Service Line	11981	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941352	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	782 EASTERN PKY	08/08/09 11:38: AM	8/8/2009 11:38	1 GAL	Sewer Service Line	L16452029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941353	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	4312 VERMONT AVE	08/08/09 11:40: AM	8/8/2009 11:41	1 GAL	Sewer Service Line	B11584039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941354	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	201 N 39TH ST	08/08/09 11:46: AM	8/8/2009 11:46	1 GAL	Sewer Service Line	128208	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941357	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1128 PLATO TER	08/08/09 11:48: AM	8/8/2009 11:48	1 GAL	Sewer Service Line	P06405019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941359	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1335 SALE AVE	08/08/09 11:50: AM	8/8/2009 11:51	1 GAL	Sewer Service Line	064C01160000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941360	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	748 LORETTO AVE	08/08/09 11:53: AM	8/8/2009 11:54	1 GAL	Sewer Service Line	043B00920000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941361	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4729 BURKLEY AVE	08/08/09 11:56: AM	8/8/2009 11:56	1 GAL	Sewer Service Line	14105	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941362	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1012 W ASHLAND AVE	08/08/09 11:58: AM	8/8/2009 11:58	1 GAL	Sewer Service Line	W11670029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941363	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1025 BARRET AVE	08/08/09 12:00: PM	8/8/2009 12:00	1 GAL	Sewer Service Line	J05270029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941364	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1315 RHONDA WAY	08/08/09 12:02: PM	8/8/2009 12:03	1 GAL	Sewer Service Line	86859	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941365	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	125 W BURNETT AVE	08/08/09 12:05: PM	8/8/2009 12:05	1 GAL	Sewer Service Line	L08656029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941366	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1748 DIXDALE AVE	08/08/09 12:07: PM	8/8/2009 12:08	1 GAL	Sewer Service Line	041J00880000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941367	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	219 W KINGSTON AVE	08/08/09 12:10: PM	8/8/2009 12:10	1 GAL	Sewer Service Line	54657	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941368	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2800 RALPH AVE	08/08/09 12:12: PM	8/8/2009 12:12	1 GAL	Sewer Service Line	108500310000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941370	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2306 GARRS LN	08/08/09 12:14: PM	8/8/2009 12:15	1 GAL	Sewer Service Line	34262	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941373	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2103 GARRS LN	08/08/09 12:17: PM	8/8/2009 12:17	1 GAL	Sewer Service Line	101502340000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941374	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	817 S 34TH ST	08/08/09 12:19: PM	8/8/2009 12:19	1 GAL	Sewer Service Line	126881	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941375	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1043 LYNNHURST AVE	08/08/09 12:22: PM	8/8/2009 12:22	1 GAL	Sewer Service Line	W11186019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941376	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2019 S 22ND ST	08/08/09 12:24: PM	8/8/2009 12:24	1 GAL	Sewer Service Line	123915	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941377	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	546 S 1ST ST	08/08/09 12:27: PM	8/8/2009 12:28	1 GAL	Sewer Service Line	115657	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941379	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

**APPENDIX B-5
OVERFLOWS TO INTERIOR
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	3555 TERRIER LN	08/08/09 12:30: PM	8/8/2009 12:30	1 GAL	Sewer Service Line	103344	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941380	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1631 HEMLOCK CT	08/08/09 12:32: PM	8/8/2009 12:32	1 GAL	Sewer Service Line	O00764539	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941381	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4306 S 2ND ST	08/08/09 12:35: PM	8/8/2009 12:35	1 GAL	Sewer Service Line	U07567029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941382	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4508 GRAND AVE	08/08/09 12:37: PM	8/8/2009 12:37	1 GAL	Sewer Service Line	43012	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941383	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2304 MAPLE ST	08/08/09 12:39: PM	8/8/2009 12:40	1 GAL	Sewer Service Line	67316D	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941384	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	335 S SHAWNEE TER	08/08/09 12:53: PM	8/8/2009 12:54	1 GAL	Sewer Service Line	B07079029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941387	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	330 N 44TH ST	08/08/09 12:56: PM	8/8/2009 12:56	1 GAL	Sewer Service Line	A08943039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941388	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	316 N 45TH ST	08/08/09 12:59: PM	8/8/2009 12:59	1 GAL	Sewer Service Line	A09062019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941389	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1826 ALGONQUIN PKY	08/08/09 1:01: PM	8/8/2009 13:01	1 GAL	Sewer Service Line	O06450029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941390	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2612 ALLSTON AVE	08/08/09 1:04: PM	8/8/2009 13:04	1 GAL	Sewer Service Line	553	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941391	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	430 N 38TH ST	08/08/09 1:07: PM	8/8/2009 13:08	1 GAL	Sewer Service Line	A09404039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941392	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	510 LONGFIELD AVE	08/08/09 1:10: PM	8/8/2009 13:10	1 GAL	Sewer Service Line	62393	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941393	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4516 JEWELL AVE	08/08/09 1:12: PM	8/8/2009 13:13	1 GAL	Sewer Service Line	52484D	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941394	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	845 BARRET AVE	08/08/09 1:15: PM	8/8/2009 13:15	1 GAL	Sewer Service Line	6155	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941395	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4308 NANEEN DR	08/08/09 1:17: PM	8/8/2009 13:18	1 GAL	Sewer Service Line	74241	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941396	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1531 ALGONQUIN PKY	08/08/09 1:19: PM	8/8/2009 13:20	1 GAL	Sewer Service Line	R04261029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941398	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2006 ALEXANDER AVE	08/08/09 1:24: PM	8/8/2009 13:24	1 GAL	Sewer Service Line	5846	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941399	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1600 LOU GENE AVE	08/08/09 1:28: PM	8/8/2009 13:29	1 GAL	Sewer Service Line	090A01330000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941400	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1339 LILLIAN AVE	08/08/09 1:31: PM	8/8/2009 13:31	1 GAL	Sewer Service Line	60655	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941401	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	1718 MAE STREET KIDD AVE	08/08/09 1:33: PM	8/8/2009 13:33	1 GAL	Sewer Service Line	1399068	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941402	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	825 S 31ST ST	08/08/09 1:35: PM	8/8/2009 13:36	1 GAL	Sewer Service Line	125857	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941403	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2404 GARRS LN	08/08/09 1:38: PM	8/8/2009 13:38	1 GAL	Sewer Service Line	RR12483039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941404	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3624 TAYLOR BLVD	08/08/09 1:41: PM	8/8/2009 13:41	1 GAL	Sewer Service Line	103174	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941405	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1413 EARL AVE	08/08/09 1:43: PM	8/8/2009 13:43	1 GAL	Sewer Service Line	063M00320000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941408	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	126 W COLLINS CT	08/08/09 1:45: PM	8/8/2009 13:46	1 GAL	Sewer Service Line	22353	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941410	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1022 STANLEY AVE	08/08/09 1:48: PM	8/8/2009 13:49	1 GAL	Sewer Service Line	053B01690000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941411	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1032 SEELBACH AVE	08/08/09 1:51: PM	8/8/2009 13:51	1 GAL	Sewer Service Line	92885	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941412	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1006 NAVAHO PL	08/08/09 1:53: PM	8/8/2009 13:53	1 GAL	Sewer Service Line	053B02020000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941413	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1015 BEECHER ST	08/08/09 1:55: PM	8/8/2009 13:55	1 GAL	Sewer Service Line	U09369029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941414	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3806 WHEELER AVE	08/08/09 1:58: PM	8/8/2009 13:58	1 GAL	Sewer Service Line	110509	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941415	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	3205 JACKS LN	08/08/09 2:00: PM	8/8/2009 14:00	1 GAL	Sewer Service Line	108501610000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941416	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1011 BEECHER ST	08/08/09 2:02: PM	8/8/2009 14:02	1 GAL	Sewer Service Line	U09367029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941417	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1243 CENTRAL AVE	08/08/09 2:04: PM	8/8/2009 14:05	1 GAL	Sewer Service Line	T07809029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941418	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4100 NANEEN DR	08/08/09 2:06: PM	8/8/2009 14:07	1 GAL	Sewer Service Line	090F00390000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941419	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3505 KAHLERT AVE	08/08/09 2:09: PM	8/8/2009 14:09	1 GAL	Sewer Service Line	065A00250000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941420	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2125 GREENWOOD AVE	08/08/09 2:11: PM	8/8/2009 14:11	1 GAL	Sewer Service Line	32635	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941422	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4032 TAYLOR BLVD	08/08/09 2:13: PM	8/8/2009 14:14	1 GAL	Sewer Service Line	103356	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941424	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4308 VIRGINIA AVE	08/08/09 2:16: PM	8/8/2009 14:16	1 GAL	Sewer Service Line	P07358039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941425	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	5718 MORRISON AVE	08/08/09 2:19: PM	8/8/2009 14:19	1 GAL	Sewer Service Line	169360	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941426	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	3446 HEATHERFIELD DR	08/08/09 2:22: PM	8/8/2009 14:22	1 GAL	Sewer Service Line	RR14552049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941427	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3601 KAHLERT AVE	08/08/09 2:24: PM	8/8/2009 14:24	1 GAL	Sewer Service Line	065B01100000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941428	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4709 WALNUT GROVE AVE	08/08/09 2:26: PM	8/8/2009 14:26	1 GAL	Sewer Service Line	DE27282029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941429	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2341 GRAND AVE	08/04/09 12:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	35559	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941591	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1726 KENNEDY RD	08/04/09 12:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	51896	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941594	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4044 ORMOND RD	08/10/09 9:35: AM	8/10/2009 9:35	1 GAL	Sewer Service Line	78949	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941599	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3943 S 5TH ST	08/10/09 9:37: AM	8/10/2009 9:37	1 GAL	Sewer Service Line	119095D	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941600	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4154 LA SALLE AVE	08/10/09 9:39: AM	8/10/2009 9:39	1 GAL	Sewer Service Line	066F00980000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941601	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4124 HAZELWOOD AVE	08/04/09 12:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	066E01610000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941602	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	4114 DIENES WAY	08/10/09 9:41: AM	8/10/2009 9:41	1 GAL	Sewer Service Line	124794114A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941605	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1700 BANK ST	08/10/09 9:43: AM	8/10/2009 9:43	1 GAL	Sewer Service Line	51700	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941608	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	431 S 29TH ST	08/10/09 9:45: AM	8/10/2009 9:46	1 GAL	Sewer Service Line	P4636	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941610	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1478 CHEROKEE RD	08/04/09 12:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	21063D	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941613	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4352 S 3RD ST	08/10/09 9:48: AM	8/10/2009 9:48	1 GAL	Sewer Service Line	055J00100000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941615	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	657 S 39TH ST	08/10/09 9:50: AM	8/10/2009 9:50	1 GAL	Sewer Service Line	140304	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941617	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	426 W SOUTHSIDE CT	08/04/09 12:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	059K01510000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941618	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	640 S 37TH ST	08/10/09 9:52: AM	8/10/2009 9:53	1 GAL	Sewer Service Line	127728	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941621	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3711 WHEELER AVE	08/04/09 12:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	065C00790000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941622	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES

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MORRIS FORMAN	KY0022411	642 S 36TH ST	08/10/09 9:57: AM	8/10/2009 9:58	1 GAL	Sewer Service Line	B11124039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941628	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	435 S 29TH ST	08/10/09 10:00: AM	8/10/2009 10:00	1 GAL	Sewer Service Line	P4637	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941631	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2514 GRAND AVE	08/10/09 10:02: AM	8/10/2009 10:02	1 GAL	Sewer Service Line	36038D	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941636	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	522 DRESDEN AVE	08/10/09 10:05: AM	8/10/2009 10:05	1 GAL	Sewer Service Line	052C01230000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941639	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4153 LA SALLE AVE	08/10/09 10:07: AM	8/10/2009 10:07	1 GAL	Sewer Service Line	066E00270000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941644	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1908 CEDAR ST	08/04/09 12:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	21863	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941649	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER BY TELEPHONE
DEREK R. GUTHRIE	KY0078956	1715 CHESTER RD	08/10/09 10:18: AM	8/10/2009 10:18	1 GAL	Sewer Service Line	43842	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941653	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	908 W WHITNEY AVE	08/10/09 10:20: AM	8/10/2009 10:21	1 GAL	Sewer Service Line	U09086029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941656	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1206 DRESDEN AVE	08/04/09 12:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	052A00280000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941657	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	1418 WEYLER AVE	08/10/09 10:23: AM	8/10/2009 10:23	1 GAL	Sewer Service Line	110613	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941659	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
DEREK R. GUTHRIE	KY0078956	2314 PIKES PEAK BLVD	08/10/09 10:25: AM	8/10/2009 10:25	1 GAL	Sewer Service Line	DE30342019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941662	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	4152 LA SALLE AVE	08/04/09 12:00: AM	8/4/2009 11:00	1 GAL	Sewer Service Line	58075	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941666	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	916 W WHITNEY AVE	08/10/09 10:28: AM	8/10/2009 10:28	1 GAL	Sewer Service Line	U09082039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941667	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2524 OSAGE AVE	08/06/09 12:25: PM	8/6/2009 12:40	1 GAL	Sewer Service Line	79375	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	941892	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3336 W KENTUCKY ST	08/10/09 3:00: PM	8/10/2009 15:30	1 GAL	Sewer Service Line	18713336	CUSTOMER CALLED IN BACKUP FROM AUGUST 4TH RAIN EVENT	LACK OF SYSTEM CAPACITY	941932	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	214 S 19TH ST	08/10/09 10:10: PM	8/10/2009 22:15	2 GAL	Sewer Service Line	123115	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942030	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3609 HERMAN ST	08/10/09 10:00: PM	8/10/2009 22:02	1 GAL	Sewer Service Line	40820	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942044	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	507 N 39TH ST	08/10/09 10:10: PM	8/10/2009 22:12	1 GAL	Sewer Service Line	128248	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942045	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	206 N 35TH ST	08/10/09 10:56: PM	8/10/2009 22:58	1 GAL	Sewer Service Line	127104	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942046	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	418 S 34TH ST	08/10/09 11:01: PM	8/10/2009 23:10	2 GAL	Sewer Service Line	126783	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942047	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS BY MSD WERE NOT REQUIRED
MORRIS FORMAN	KY0022411	108 N 39TH ST	08/10/09 11:15: PM	8/10/2009 23:18	1 GAL	Sewer Service Line	128204	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942048	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NO REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3519 HERMAN ST	08/10/09 11:30: PM	8/10/2009 23:40	1 GAL	Sewer Service Line	40150	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942049	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	120 S 39TH ST	08/10/09 11:46: PM	8/10/2009 23:55	1 GAL	Sewer Service Line	128276	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942050	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	907 SOUTHWESTERN PKY	08/11/09 3:57: AM	8/11/2009 3:58	1 GAL	Sewer Service Line	P06541019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942051	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT MSD IF PROBLEM CONTINUES OR WATER HAS NOT RECEDED
MORRIS FORMAN	KY0022411	3134 TAYLOR BLVD	08/11/09 7:54: AM	8/11/2009 7:54	1 GAL	Sewer Service Line	102767	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942083	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	3917 JEWELL AVE	08/11/09 9:08: AM	8/11/2009 9:08	1 GAL	Sewer Service Line	52429	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942259	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	115 N 32ND ST	08/11/09 8:30: AM	8/11/2009 8:45	1 GAL	Sewer Service Line	126011	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942263	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	120 N 32ND ST	08/11/09 8:50: AM	8/11/2009 9:20	1 GAL	Sewer Service Line	126014	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942272	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	107 S 44TH ST	08/11/09 8:30: AM	8/11/2009 9:00	1 GAL	Sewer Service Line	2480947107	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942278	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3515 HERMAN ST	08/11/09 9:00: AM	8/11/2009 9:30	1 GAL	Sewer Service Line	40161	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942282	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1314 HOMEVIEW DR	08/11/09 11:02: AM	8/11/2009 11:03	1 GAL	Sewer Service Line	063H00680000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942390	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER CONTACT MSD BACK IF PROBLEM CONTINUES OR WATER HAS NOT RECEDED
MORRIS FORMAN	KY0022411	726 S 43RD ST	08/11/09 10:30: AM	8/11/2009 11:09	10 GAL	Sewer Service Line	P06750039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942402	CUSTOMER WAS CLEANING THE IMPACTED AREA ON SITE	ADVISED CUSTOMER TO CALL BACK IF PROBLEM CONTINUES
MORRIS FORMAN	KY0022411	422 N 43RD ST	08/11/09 11:56: AM	8/11/2009 11:56	1 GAL	Sewer Service Line	129719	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942497	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT MSD IF WATER HAS NOT RECEDED OR STILL HAVING BACKUPS
MORRIS FORMAN	KY0022411	3511 HERMAN ST	08/11/09 12:05: PM	8/11/2009 12:05	1 GAL	Sewer Service Line	40159	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942512	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT MSD IF WATER HAS NOT RECEDED OR IF STILL BACKING UP
MORRIS FORMAN	KY0022411	4600 JEWELL AVE	08/11/09 12:56: PM	8/11/2009 12:56	1 GAL	Sewer Service Line	52492	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942561	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT MSD IF PROBLEM CONTINUES
MORRIS FORMAN	KY0022411	300 S 41ST ST	08/11/09 1:15: PM	8/11/2009 13:24	1 GAL	Sewer Service Line	129012	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942594	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2926 FIELD AVE	08/11/09 12:30: PM	8/11/2009 13:15	1 GAL	Sewer Service Line	40473	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942601	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	136 N 37TH ST	08/11/09 1:35: PM	8/11/2009 13:52	1 GAL	Sewer Service Line	127641	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942622	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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MORRIS FORMAN	KY0022411	2524 OSAGE AVE	08/11/09 2:05: PM	8/11/2009 14:15	1 GAL	Sewer Service Line	038D00130000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942632	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	640 S 41ST ST	08/10/09 11:00: PM	8/10/2009 23:10	1 GAL	Sewer Service Line	B10631019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942650	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	110 S 39TH ST	08/11/09 2:30: PM	8/11/2009 14:54	1 GAL	Sewer Service Line	128278	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942655	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	316 S 39TH ST	08/11/09 3:00: PM	8/11/2009 15:10	1 GAL	Sewer Service Line	B07603019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942677	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	200 N 46TH ST	08/11/09 12:00: AM	8/11/2009 1:00	1 GAL	Sewer Service Line	130515	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942684	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT MSD BACK IF PROBLEM CONTINUES OR IF WATER HAS NOT
MORRIS FORMAN	KY0022411	206 N 35TH ST	08/11/09 3:20: PM	8/11/2009 15:24	1 GAL	Sewer Service Line	127104	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942689	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2628 SLEVIN ST	08/11/09 12:00: AM	8/11/2009 12:54	1 GAL	Sewer Service Line	C11050069	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942700	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	201 N 39TH ST	08/11/09 3:30: PM	8/11/2009 15:36	1 GAL	Sewer Service Line	128208	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942704	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2925 SLEVIN ST	08/11/09 12:00: AM	8/11/2009 12:45	1 GAL	Sewer Service Line	96025	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942710	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2509 BANK ST	08/11/09 12:00: AM	8/11/2009 13:04	1 GAL	Sewer Service Line	2650	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942715	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	120 N 39TH ST	08/11/09 3:45: PM	8/11/2009 15:52	1 GAL	Sewer Service Line	128194	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942717	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	119 N 39TH ST	08/11/09 12:00: AM	8/11/2009 13:37	1 GAL	Sewer Service Line	128206	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942734	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2710 BANK ST	08/11/09 12:00: AM	8/11/2009 15:10	1 GAL	Sewer Service Line	3316	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942740	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2708 BANK ST	08/11/09 12:00: AM	8/11/2009 15:07	1 GAL	Sewer Service Line	C09995039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942744	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	2706 BANK ST	08/11/09 12:00: AM	8/11/2009 15:04	1 GAL	Sewer Service Line	3307	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942748	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	120 N 39TH ST	08/11/09 12:00: AM	8/11/2009 14:04	1 GAL	Sewer Service Line	128194	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942751	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	657 S 39TH ST	08/11/09 12:00: AM	8/11/2009 13:53	1 GAL	Sewer Service Line	140304	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942754	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED	ADVISED CUSTOMER TO CALL BACK IF THE BACKUP CONTINUES
MORRIS FORMAN	KY0022411	333 N 38TH ST	08/11/09 2:19: PM	8/11/2009 14:41	1 GAL	Sewer Service Line	127949	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942758	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	403 E MARKET ST	08/11/09 2:56: PM	8/11/2009 15:10	1 GAL	Sewer Service Line	F31860029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942776	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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MORRIS FORMAN	KY0022411	3225 RUDD AVE	08/11/09 2:39: PM	8/11/2009 14:59	2 GAL	Sewer Service Line	012D00030000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942787	CUSTOMER CLEANED THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT A PLUMBER
MORRIS FORMAN	KY0022411	3811 DUNCAN ST	08/11/09 9:24: PM	8/11/2009 21:39	6 GAL	Sewer Service Line	30482	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942817	CUSTOMER CLEANED THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT A PLUMBER
MORRIS FORMAN	KY0022411	200 N 46TH ST	08/12/09 10:10: AM	8/12/2009 10:42	1 GAL	Sewer Service Line	130515	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942941	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3623 WHEELER AVE	08/12/09 11:00: AM	8/12/2009 11:14	1 GAL	Sewer Service Line	W08581039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	942992	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	129 N 44TH ST	08/10/09 12:00: AM	8/10/2009 23:30	1 GAL	Sewer Service Line	130114	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	943138	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	ADVISED TO CONTACT MSD IF PROBLEMS CONTINUES
MORRIS FORMAN	KY0022411	4217 NANEEN DR	08/12/09 2:45: PM	8/12/2009 15:00	1 GAL	Sewer Service Line	090F01410000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	943271	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1021 DIXIE HWY	08/13/09 1:30: PM	8/13/2009 13:39	1 GAL	Sewer Service Line	26784	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	943496	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4435 W MARKET ST	08/13/09 2:00: PM	8/13/2009 14:15	1 GAL	Sewer Service Line	A08988019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	943526	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	9710 SOMERFORD RD	08/22/09 3:00: PM	8/22/2009 15:41	1 GAL	Sewer Service Line	179543	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	946541	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 946525 - ROOT CUT MAIN SEWER TO OPEN LINE
DEREK R. GUTHRIE	KY0078956	2219 THISTLEDOWN DR	08/23/09 11:03: PM	8/24/2009 1:23	3 GAL	Sewer Service Line	103877	HEAVY ROOTS IN THE MAIN SEWER	ROOTS	946569	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 946747 - ROOT CUT THE MAIN SEWER
CEDAR CREEK	KY0098540	6901 CEDAR LAKE CT	08/24/09 6:30: PM	8/24/2009 19:06	1 GAL	Sewer Service Line	BE02368149	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	946930	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 946931 - ROOT CUT MAIN SEWER
MORRIS FORMAN	KY0022411	5906 GRAYSON CT	08/28/09 10:45: AM	8/28/2009 10:52	1 GAL	Sewer Service Line	EP04115019	MSD PERSONNEL CLEANING THE SEWERS	OBSTRUCTION-NOT GREASE / ROOTS	948054	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4239 REGINA AVE	08/29/09 3:00: PM	8/29/2009 15:34	10 GAL	Sewer Service Line	75784239	MSD PERSONNEL CLEANING THE SEWERS	OBSTRUCTION-NOT GREASE / ROOTS	948392	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	6917 HEAVRIN AVE	08/31/09 2:45: PM	8/31/2009 15:30	1 GAL	Sewer Service Line	BE10205469	ROOTS IN MAIN SEWER	ROOTS	948946	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 949164 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	1591 SADIE LN	08/31/09 7:00: PM	8/31/2009 19:36	5 GAL	Sewer Service Line	090D00780000A	ROOTS IN MAIN SEWER	ROOTS	948991	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 948992 AND 949209 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	1439 BELMAR DR	09/08/09 8:30: AM	9/8/2009 9:42	1 GAL	Sewer Service Line	KK14644049	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	953011	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 953010 - ROOT CUT OBSTRUCTION FROM SEWER
DEREK R. GUTHRIE	KY0078956	9409 SMYRNA PKY	09/16/09 6:11: PM	9/16/2009 19:40	1 GAL	Sewer Service Line	PD23108029	WHILE FLUSHING SEWER WATER BACKED UP INTO HOME THROUGH THE TOILET	OBSTRUCTION-NOT GREASE / ROOTS	956113	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3500 HERMAN ST	09/20/09 5:29: PM	9/20/2009 17:36	4 GAL	Sewer Service Line	40167	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	956822	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1329 SALE AVE	09/20/09 6:04: PM	9/20/2009 18:08	3 GAL	Sewer Service Line	064C01130000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	956823	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	2601 LINDSAY AVE	09/20/09 7:28: PM	9/20/2009 19:54	2 GAL	Sewer Service Line	60704D	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	956895	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	1807 MARY CATHERINE DR	09/20/09 2:34: AM	9/20/2009 22:15	20 GAL	Sewer Service Line	109201500000A	ROOTS IN MSD'S MAIN SEWER	ROOTS	956897	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 956905 AND 958050 - ROOTCUT AND FLUSHED THE MAIN SEWER
MORRIS FORMAN	KY0022411	2201 DATE ST	09/20/09 11:45: PM	9/20/2009 23:59	2 GAL	Sewer Service Line	23253	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	956898	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2606 DRAYTON DR	09/20/09 11:52: PM	9/21/2009 0:30	30 GAL	Sewer Service Line	078L00810000A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	956903	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 958941 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	2608 DRAYTON DR	09/20/09 11:52: PM	9/21/2009 0:30	20 GAL	Sewer Service Line	078L00800000A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	956907	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 958942 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	1729 KENNEDY RD	09/21/09 1:32: AM	9/21/2009 1:41	1 GAL	Sewer Service Line	100500900000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	956909	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	10301 GREENFIELD PARK RD	09/21/09 1:00: AM	9/21/2009 1:30	1 GAL	Sewer Service Line	1313210301	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	956913	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4538 S 1ST ST	09/21/09 8:15: AM	9/21/2009 8:51	1 GAL	Sewer Service Line	V09851019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	956994	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2300 CHALMER CT	09/21/09 11:00: AM	9/21/2009 11:35	1 GAL	Sewer Service Line	100501190000A	GREASE BLOCKAGE IN MAIN SEWER	GREASE BLOCKAGE	957959	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 958339 - ROOT CUT MAIN SEWER
MORRIS FORMAN	KY0022411	3232 BEALS BRANCH RD	09/21/09 12:15: PM	9/21/2009 12:32	1 GAL	Sewer Service Line	H08399029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958004	CUSTOMER CLEANED THE IMPACTED AREA	CUSTOMER GOING TO CONTACT A PLUMBER
MORRIS FORMAN	KY0022411	907 SOUTHWESTERN PKY	09/21/09 8:15: AM	9/21/2009 8:45	1 GAL	Sewer Service Line	P06541019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958058	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	520 W CHESTNUT ST	09/21/09 12:00: AM	9/21/2009 12:05	1 GAL	Sewer Service Line	45192	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958065	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2600 7TH STREET RD	09/21/09 12:00: AM	9/21/2009 10:31	1 GAL	Sewer Service Line	146972600	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958087	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	827 S 31ST ST	09/21/09 12:00: AM	9/21/2009 15:09	1 GAL	Sewer Service Line	125858	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958099	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	970 S 3RD ST	09/21/09 12:00: AM	9/21/2009 13:17	1 GAL	Sewer Service Line	116902	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958102	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1788 WATHEN LN	09/21/09 12:00: AM	9/21/2009 11:22	1 GAL	Sewer Service Line	100500350000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958117	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2115 W ORMSBY AVE	09/21/09 12:00: AM	9/21/2009 15:27	1 GAL	Sewer Service Line	79482	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958127	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	219 HIAWATHA AVE	09/21/09 12:00: AM	9/21/2009 13:00	1 GAL	Sewer Service Line	44976	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958142	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1520 HEPBURN AVE	09/21/09 2:30: PM	9/21/2009 15:00	1 GAL	Sewer Service Line	0000789-11520	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958170	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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MORRIS FORMAN	KY0022411	1514 LARCHMONT AVE	09/21/09 7:30: PM	9/21/2009 19:53	1 GAL	Sewer Service Line	57776	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958202	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
FLOYDS FORK	KY0102784	12206 HARDWICK RD	09/21/09 7:30: PM	9/21/2009 19:59	1 GAL	Sewer Service Line	130950	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958203	CUSTOMER CLEANED THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT A PLUMBER
MORRIS FORMAN	KY0022411	4305 WINCHESTER RD	09/21/09 8:00: PM	9/21/2009 20:21	1 GAL	Sewer Service Line	052400610000A	HEAVY DEBRIS IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	958210	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 958347, 958732, 958733, 958870 - ROOT CUT AND FLUSHED THE MAIN SEWER
MORRIS FORMAN	KY0022411	535 S 4TH ST	09/23/09 11:00: AM	9/23/2009 12:06	10 GAL	Sewer Service Line	118594	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	958770	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4109 BURRELL DR	09/24/09 9:40: AM	9/24/2009 10:10	1 GAL	Sewer Service Line	13099	ROOTS IN MAIN SEWER	ROOTS	959983	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 961385 AND 961386 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	7903 CORTLAND DR	09/26/09 11:12: PM	9/26/2009 23:56	10 GAL	Sewer Service Line	PB13736019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	961487	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	9712 CHAPEL HILL RD	09/29/09 11:15: AM	9/29/2009 13:00	1 GAL	Sewer Service Line	112139712	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	962724	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 962707 AND 963036 - ROOT CUT AND FLUSHED THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	9818 MCCREA LN	10/02/09 8:30: AM	10/2/2009 9:43	10 GAL	Sewer Service Line	PD06400019	ROOTS AND GREASE IN MAIN SEWER	ROOTS	964045	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 964040 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	9816 MCCREA LN	10/02/09 9:30: AM	10/2/2009 9:52	10 GAL	Sewer Service Line	PD06398039	ROOTS AND GREASE IN MAIN SEWER	ROOTS	964049	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 964040 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	9820 MCCREA LN	10/02/09 8:30: AM	10/2/2009 9:52	10 GAL	Sewer Service Line	PD06402029	ROOTS AND GREASE IN MAIN SEWER	ROOTS	964050	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 964040 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	9900 MCCREA LN	10/02/09 8:30: AM	10/2/2009 9:52	10 GAL	Sewer Service Line	PD06404019	ROOTS AND GREASE IN MAIN SEWER	ROOTS	965825	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 964040 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	7904 BROADFERN DR	10/05/09 3:15: PM	10/5/2009 16:15	1 GAL	Sewer Service Line	BW06645059	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	967705	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 967704 - VACTORED THE OBSTRUCTION FROM SEWER
MORRIS FORMAN	KY0022411	3136 PAMELA WAY	10/09/09 5:03: PM	10/9/2009 17:28	2 GAL	Sewer Service Line	BJ11139049	ROOTS AND GREASE IN MAIN SEWER	ROOTS	969799	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 969855 - ROOT CUT AND VACTOR FROM THE MAIN SEWER
MORRIS FORMAN	KY0022411	502 LANGHOLM PL	10/12/09 2:45: PM	10/12/2009 15:34	25 GAL	Sewer Service Line	186303300000A	ROOTS IN THE MAIN SEWER	ROOTS	970182	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 970191 - ROOTCUT AND OPEN THE LINE
MORRIS FORMAN	KY0022411	503 LANGHOLM PL	10/12/09 4:30: PM	10/12/2009 17:00	1 GAL	Sewer Service Line	186303360000A	ROOTS IN MAIN SEWER	ROOTS	970262	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 970191 - ROOTCUT AND OPEN THE MAIN SEWER
HUNTING CREEK NORTH	KY0029106	7306 HUNTING CREEK DR	10/23/09 1:30: PM	10/23/2009 14:30	40 GAL	Sewer Service Line	EP46085019	ROOTS IN MAIN SEWER	ROOTS	973755	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 973753 - ROOT CUT MAIN SEWER AND OPENED LINE
MORRIS FORMAN	KY0022411	2906 TREMONT DR	10/24/09 2:00: PM	10/24/2009 15:03	1 GAL	Sewer Service Line	Z27364039	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	973875	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 973881 - ROOT CUT MAIN SEWER AND OPENED LINE
MORRIS FORMAN	KY0022411	9716 BOXFORD WAY	10/27/09 3:30: PM	10/27/2009 20:15	1 GAL	Sewer Service Line	HP15814029	OBSTRUCTION IN MAIN SEWER	ROOTS	974544	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 974547 AND 974552 - FLUSHED AND ROOTCUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	2326 QUINN DR	10/30/09 1:00: PM	10/30/2009 14:00	1 GAL	Sewer Service Line	85686	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	975844	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 975845 - ROOTCUT THE MAIN SEWER AND OPEN THE LINE

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DEREK R. GUTHRIE	KY0078956	2008 MARY CATHERINE DR	10/31/09 5:00: PM	10/31/2009 17:30	10 GAL	Sewer Service Line	RR14441819	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	975925	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 975927 - ROOT CUT MAIN SEWER AND OPENED LINE
MORRIS FORMAN	KY0022411	291 N HUBBARDS LN	11/10/09 10:15: AM	11/10/2009 12:45	1 GAL	Sewer Service Line	147526A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	979660	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 979424 AND 979426 - FLUSHED AND ROOTCUT THE MAIN SEWER AND OPENED THE LINE
CEDAR CREEK	KY0098540	10005 PENDEL LN	11/16/09 8:00: PM	11/16/2009 21:00	1 GAL	Sewer Service Line	BE09307839	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	982527	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 982530 - ROOT CUT MAIN SEWER
DEREK R. GUTHRIE	KY0078956	5511 SAXON BLVD	11/18/09 11:30: AM	11/18/2009 12:30	2 GAL	Sewer Service Line	182772	ROOTS IN MAIN SEWER	ROOTS	982902	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 982903 AND 982992 - ROOT CUT MAIN SEWER
MORRIS FORMAN	KY0022411	10006 TIMBERWOOD CIR	11/20/09 7:56: PM	11/20/2009 20:18	1 GAL	Sewer Service Line	190300900000A	ROOTS IN MAIN SEWER	ROOTS	983537	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 983918 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	3425 FERN LEA RD	11/21/09 10:00: AM	11/21/2009 11:15	1 GAL	Sewer Service Line	RR14443759	OBSTRUCTION IN THE MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	983559	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 983560 - ROOT CUT MAIN SEWER TO OPEN
MORRIS FORMAN	KY0022411	3522 BROCKTON LN	11/30/09 2:45: PM	11/30/2009 15:26	1 GAL	Sewer Service Line	081G00490000A	OBSTRUCTION IN MSD MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	986192	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 986214 - ROOTCUT AND OPEN THE LINE
MORRIS FORMAN	KY0022411	5415 ROBINWOOD RD	12/01/09 12:30: PM	12/1/2009 13:08	2 GAL	Sewer Service Line	097501280000A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	986386	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 986378 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	1607 WOODLUCK AVE	12/02/09 2:00: PM	12/2/2009 14:16	1 GAL	Sewer Service Line	091R00240000A	OBSTRUCTION IN THE MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	987210	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 987218 - ROOTCUT AND OPEN THE LINE
MORRIS FORMAN	KY0022411	212 EILER AVE	12/02/09 4:00: PM	12/2/2009 16:45	1 GAL	Sewer Service Line	30287	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	987295	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 987287 - ROOT CUT THE PROPERTY SERVICE CONNECTION
MORRIS FORMAN	KY0022411	1942 RICHMOND DR	12/02/09 6:45: PM	12/2/2009 19:34	5 GAL	Sewer Service Line	87683	ROOTS IN MAIN SEWER	ROOTS	987305	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 987446 - ROOT CUT MAIN SEWER
MORRIS FORMAN	KY0022411	939 ASH ST	12/04/09 8:18: PM	12/4/2009 20:55	2 GAL	Sewer Service Line	K09148049	ROOTS LOCATED IN MAIN SEWER	ROOTS	988800	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 990475 - FLUSHED/VACTORED OBSTRUCTION FROM THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	3419 BURRELL DR	12/05/09 8:24: PM	12/5/2009 22:05	5 GAL	Sewer Service Line	13060	ROOTS IN THE MAIN SEWER	ROOTS	988851	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 988878 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	8306 ROSEBOROUGH RD	12/08/09 9:30: PM	12/8/2009 21:58	3 GAL	Sewer Service Line	PC09957039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	989833	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	3116 RALPH AVE	12/08/09 9:45: PM	12/8/2009 22:00	10 GAL	Sewer Service Line	86369	ROOTS IN MAIN SEWER	ROOTS	989856	CUSTOMER CLEANED IMPACTED AREA	WORK ORDER 989855 - ROOT CUT MAIN SEWER
DEREK R. GUTHRIE	KY0078956	3117 PIONEER RD	12/08/09 10:15: PM	12/8/2009 22:30	1 GAL	Sewer Service Line	RR13429039	ROOTS IN MAIN SEWER	ROOTS	989859	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 989855 - ROOT CUT MAIN SEWER
DEREK R. GUTHRIE	KY0078956	3115 PIONEER RD	12/08/09 10:30: PM	12/8/2009 23:00	1 GAL	Sewer Service Line	RR13430059	ROOTS IN MAIN SEWER	ROOTS	989861	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 989855 - ROOT CUT MAIN SEWER
DEREK R. GUTHRIE	KY0078956	2327 RAUSCH DR	12/09/09 2:00: AM	12/9/2009 2:27	5 GAL	Sewer Service Line	87322	GREASE IN MAIN SEWER	GREASE BLOCKAGE	989863	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 989926 - FLUSHED MAIN SEWER TO REMOVE GREASE BLOCKAGE
DEREK R. GUTHRIE	KY0078956	2329 RAUSCH DR	12/09/09 2:30: AM	12/9/2009 2:43	1 GAL	Sewer Service Line	125300530000B	ROOTS IN MAIN SEWER	ROOTS	989865	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 989855 - ROOT CUT MAIN SEWER

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	3501 DECATUR CT	12/14/09 1:00: PM	12/14/2009 13:21	1 GAL	Sewer Service Line	087G01310000A	ROOTS IN MAIN SEWER	ROOTS	991271	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 991267 - ROOT CUT MAIN SEWER TO OPEN LINE
MORRIS FORMAN	KY0022411	2812 POMEROY DR	12/14/09 7:50: PM	12/14/2009 21:59	3 GAL	Sewer Service Line	091A01710000A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	991361	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 991370 AND 991556 - FLUSHED AND ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	3021 LEMAN DR	12/16/09 9:00: AM	12/16/2009 9:41	2 GAL	Sewer Service Line	58714	OBSTRUCTION IN MSD MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	991749	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 991766 - ROOTCUT THE MAIN SEWER AND OPEN THE LINE
MORRIS FORMAN	KY0022411	1731 NORTHWESTERN PKY	12/16/09 1:30: PM	12/16/2009 14:11	1 GAL	Sewer Service Line	43221731	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	991837	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 992017 - VACTORED DEBRIS/STONE OUT OF MANHOLE
MORRIS FORMAN	KY0022411	3758 TAYLORSVILLE RD	12/19/09 5:15: PM	12/19/2009 18:14	1 GAL	Sewer Service Line	102458	ROOTS IN MAIN SEWER	ROOTS	992640	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 992639 - ROOT CUT MAIN SEWER
MORRIS FORMAN	KY0022411	1600 LOU GENE AVE	12/24/09 6:06: PM	12/24/2009 18:12	1 GAL	Sewer Service Line	090A01330000A	ROOTS IN MAIN SEWER	ROOTS	993377	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 993524 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	3536 HANOVER RD	12/26/09 6:00: PM	12/26/2009 18:44	1 GAL	Sewer Service Line	057200980000A	ROOTS IN MAIN SEWER	ROOTS	993568	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 993567 - FLUSHED MAIN SEWER
MORRIS FORMAN	KY0022411	3512 GLADDEN DR	12/26/09 12:00: PM	12/26/2009 14:00	1 GAL	Sewer Service Line	087F00120000A	OBSTRUCTION IN THE MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	993577	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 993575 - ROOTCUT AND OPEN THE MAIN SEWER
MORRIS FORMAN	KY0022411	3036 RADIANCE RD	12/26/09 2:10: PM	12/26/2009 15:00	1 GAL	Sewer Service Line	85900	OBSTRUCTION IN THE MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	993578	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 993579 - ROOTCUT THE MAIN SEWER AND OPEN THE LINE
DEREK R. GUTHRIE	KY0078956	2014 FARNSLEY RD	12/26/09 4:30: PM	12/26/2009 18:00	5 GAL	Sewer Service Line	RR14380069	ROOTS IN THE MAIN SEWER	ROOTS	993584	CUSTOMER ADVISED MSD HE WOULD CLEAN THE IMPACTED AREA	WORK ORDER 993586 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	9006 STOCKTON CT	12/26/09 11:00: PM	12/26/2009 23:20	1 GAL	Sewer Service Line	114889006	GREASE IN MANHOLE	GREASE BLOCKAGE	993592	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 993591 - FLUSHED/VACTORED GREASE FROM THE SEWER IN THE RESIDENTIAL AREA
MORRIS FORMAN	KY0022411	615 DORSEY WAY	12/27/09 2:30: PM	12/27/2009 15:15	3 GAL	Sewer Service Line	179480	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	993625	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 993624 - FLUSHED THE DEBRIS FROM SEWER
MORRIS FORMAN	KY0022411	817 AHLAND RD	12/28/09 12:00: PM	12/28/2009 12:46	5 GAL	Sewer Service Line	171706	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	993711	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 993720 - ROOTCUT AND OPEN THE MAIN SEWER
FLOYDS FORK	KY0102784	11914 BERRY HILL RD	12/28/09 9:00: PM	12/28/2009 21:40	7 GAL	Sewer Service Line	MT11724019	ROOTS IN MAIN SEWER	ROOTS	993861	CUSTOMER CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 993863 ROOT CUT MAIN SEWER TO OPEN
DEREK R. GUTHRIE	KY0078956	9006 STOCKTON CT	01/03/10 10:30: PM	1/3/2010 23:30	1 GAL	Sewer Service Line	114889006	ROOTS IN MAIN SEWER	ROOTS	996840	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 996838 AND 997117 - ROOT CUT AND THE MAIN SEWER
MORRIS FORMAN	KY0022411	9815 WHIPPS MILL RD	01/09/10 5:15: PM	1/9/2010 18:23	1 GAL	Sewer Service Line	170049	GREASE IN MAIN SEWER	GREASE BLOCKAGE	998762	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 998759 - FLUSHED THE MAIN SEWER
MORRIS FORMAN	KY0022411	319 HILLCREST AVE	01/09/10 9:30: PM	1/9/2010 23:17	1 GAL	Sewer Service Line	52702D	OBSTRUCTION IN MAIN SEWER	ROOTS	998771	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 998768, 998769, 998840 - ROOT CUT THE MAIN SEWER
CEDAR CREEK	KY0098540	5112 FAIRWOOD LN	01/11/10 10:15: AM	1/11/2010 11:04	1 GAL	Sewer Service Line	BE09165869	ROOTS IN THE MAIN SEWER	ROOTS	999153	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDEER 99157 - ROOTCUT AND OPEN THE MAIN SEWER
MORRIS FORMAN	KY0022411	4303 BUXTON DR	01/12/10 9:00: AM	1/12/2010 9:56	1 GAL	Sewer Service Line	091C00240000A	ROOTS IN THE MAIN SEWER	ROOTS	999372	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 999363 - ROOT CUT AND OPEN THE MAIN SEWER

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
DEREK R. GUTHRIE	KY0078956	2319 LINDSEY DR	01/11/10 3:30: PM	1/11/2010 17:45	1 GAL	Sewer Service Line	2882319	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	999583	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 999311 - FLUSHED MAIN SEWER AND REMOVED OBSTRUCTION
FLOYDS FORK	KY0102784	1001 GRAZING MEADOWS LN	01/10/10 7:00: PM	1/10/2010 19:20	1 GAL	Sewer Service Line	148841001	MSD PERSONNEL PERFORMING PREVENTIVE MAINTENANCE ON SEWERS	OBSTRUCTION-NOT GREASE / ROOTS	1000692	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	2008 MARY CATHERINE DR	01/14/10 8:24: AM	1/14/2010 23:59	1 GAL	Sewer Service Line	RR14441819	ROOTS IN MAIN SEWER	ROOTS	1002021	MSD'S CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1002023 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	7208 HILLSIDE DR	01/16/10 6:00: PM	1/16/2010 18:46	1 GAL	Sewer Service Line	DE45970019	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1002277	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1002274 - FLUSHED MAIN SEWER
DEREK R. GUTHRIE	KY0078956	5224 DIXIE HWY	01/16/10 11:00: PM	1/17/2010 3:00	1 GAL	Sewer Service Line	123545300	GREASE IN MANHOLE	GREASE BLOCKAGE	1002299	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1002300 - FLUSHED THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	2122 WEST LN	01/19/10 12:30: AM	1/19/2010 1:40	1 GAL	Sewer Service Line	101503290000A	ROOTS IN MAIN SEWER	ROOTS	1002450	CUSTOMER ADVISED TO CONTACT MSD IF CLEAN UP IS NEEDED	WORK ORDERS 1002451, 1002811, & 1002812 - FLUSHED AND ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	5306 TUPELO PASS	01/20/10 7:30: PM	1/20/2010 19:55	10 GAL	Sewer Service Line	177474	ROOTS IN THE MAIN SEWER IN MSD'S PORTION OF THE PROPERTY SERVICE LINE AND MEDIUM	ROOTS	1003202	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1003200, 1003464, AND 10039983 - FLUSHED THE PROPERTY SERVICE LINE AND ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	2306 ECTON LN	01/21/10 5:45: PM	1/21/2010 17:50	1 GAL	Sewer Service Line	29710	ROOTS IN MAIN SEWER	ROOTS	1003557	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1003820 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	1214 MORGAN AVE	01/24/10 1:56: PM	1/24/2010 15:25	20 GAL	Sewer Service Line	71388	ROOTS IN MSD'S MAIN SEWER	ROOTS	1004074	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1004075 - FLUSHED/VACTORED THE OBSTRUCTION FROM THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	4010 SLACK AVE	01/25/10 9:25: AM	1/25/2010 10:13	3 GAL	Sewer Service Line	PD07194019	ROOTS IN MAIN SEWER	ROOTS	1005721	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1005699 AND 1005703 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	133 BRECKENRIDGE LN	01/26/10 9:30: AM	1/26/2010 10:17	1 GAL	Sewer Service Line	MA11714029	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1006173	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1006176 - FLUSHED AND OPEN THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	1900 FARNSLEY RD	01/27/10 11:45: AM	1/27/2010 12:40	5 GAL	Sewer Service Line	RR14246019	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1007326	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1007301 AND 1007598 - ROOT CUT THE MAIN SEWER AND REMOVED OBSTRUCTION
DEREK R. GUTHRIE	KY0078956	2122 WEST LN	01/30/10 10:00: PM	1/30/2010 23:20	1 GAL	Sewer Service Line	101503290000A	ROOTS IN MAIN SEWER	ROOTS	1008274	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER - 1008275 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	5252 BARDSTOWN RD	01/31/10 3:40: PM	1/31/2010 16:25	5 GAL	Sewer Service Line	106565252	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1008311	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1009745 - FLUSHED MAIN SEWER
MORRIS FORMAN	KY0022411	139 GILLETTE AVE	02/01/10 12:15: PM	2/1/2010 12:53	10 GAL	Sewer Service Line	057M01050000A	FIRE DEPT FLUSHING SEWERS DUE TO CHEMICAL ODOR	OBSTRUCTION-NOT GREASE / ROOTS	1008588	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	6610 MILES AVE	02/01/10 3:30: PM	2/1/2010 16:16	1 GAL	Sewer Service Line	Y09923049	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1008813	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1008804 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	5913 MIDNIGHT LN	02/01/10 9:30: PM	2/1/2010 22:39	6 GAL	Sewer Service Line	PD24581039	ROOTS IN MSD'S MAIN SEWER	ROOTS	1008856	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1009615 AND 1009733 - FLUSHED AND ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	6706 GREEN MEADOW CT	02/06/10 3:13: PM	2/6/2010 15:40	1 GAL	Sewer Service Line	039200720000A	OBSTRUCTION IN THE MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1011629	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1011630 - FLUSHED THE MAIN SEWER AND REMOVED OBSTRUCTION
DEREK R. GUTHRIE	KY0078956	3123 HARTLAGE CT	02/06/10 1:20: PM	2/6/2010 13:30	1 GAL	Sewer Service Line	124793123	MSD CONTRACTOR PERFORMING PREVENTIVE MAINTENANCE ON SEWERS	OBSTRUCTION-NOT GREASE / ROOTS	1011632	MSD CONTRACTOR (ROBINSON) CLEANED IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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DEREK R. GUTHRIE	KY0078956	1834 OLEND AVE	02/09/10 5:20: PM	2/9/2010 18:12	20 GAL	Sewer Service Line	109202150000A	ROOTS AND GREASE IN MAIN SEWER	ROOTS	1012685	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1012686, 1012910, AND 1012911 - ROOT CUT AN FLUSHED THE MAIN SEWER
MORRIS FORMAN	KY0022411	202 PRESTWICK PL	02/10/10 8:45: PM	2/10/2010 21:07	1 GAL	Sewer Service Line	190506610000A	ROOTS IN MAIN SEWER	ROOTS	1012914	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1012913 - FLUSHED THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	8603 JENNY LIND DR	02/10/10 11:00: PM	2/10/2010 23:30	1 GAL	Sewer Service Line	PC11440029	MASSIVE ROOTS IN MAIN SEWER	ROOTS	1012920	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 1012916 AND 1013051 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	3408 PARK ROW DR	02/12/10 8:30: AM	2/12/2010 9:48	10 GAL	Sewer Service Line	82584	ROOTS IN MAIN SEWER	ROOTS	1015086	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1015070 - FLUSHED AND REMOVED ROOTS FROM SEWER
MORRIS FORMAN	KY0022411	2918 BEAUMONT RD	02/13/10 6:30: PM	2/13/2010 19:12	1 GAL	Sewer Service Line	081F00400000A	ROOTS, GREASE AND SHOP TOWELS IN MAIN SEWER	ROOTS	1015389	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1015397 & 1015489 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	3298 ILLINOIS AVE	02/14/10 5:00: PM	2/14/2010 17:45	1 GAL	Sewer Service Line	KK09875019	ROOTS IN MAIN SEWER AND OBSTRUCTION ON MSD'S PORTION OF THE PROPERTY SERVICE CONNECTION	ROOTS	1015451	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 1015449 AND - ROOT CUT THE MAIN SEWER AND THE PROPERTY SERVICE LINE
DEREK R. GUTHRIE	KY0078956	3202 LENOVER DR	02/14/10 10:00: PM	2/15/2010 1:30	1 GAL	Sewer Service Line	128200340000A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1015476	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1020784 - FLUSHED DEBRIS FROM MAIN SEWER
DEREK R. GUTHRIE	KY0078956	3002 LENOVER DR	02/15/10 1:00: AM	2/15/2010 1:15	1 GAL	Sewer Service Line	125233002E	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1015481	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1020783 - FLUSHED DEBRIS FROM MAIN SEWER
DEREK R. GUTHRIE	KY0078956	3200 LENOVER DR	02/15/10 12:30: AM	2/15/2010 1:00	1 GAL	Sewer Service Line	128200350000A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1015483	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1020785 - FLUSHED DEBRIS FROM MAIN SEWER
DEREK R. GUTHRIE	KY0078956	3628 ROBIN DR	02/16/10 2:00: PM	2/16/2010 15:00	25 GAL	Sewer Service Line	116100990000A	ROOTS IN THE MSD MAIN SEWER	ROOTS	1019166	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1019165 - ROOTCUT AND OPEN THE MAIN SEWER
MORRIS FORMAN	KY0022411	6409 SOUTHSIDE DR	02/17/10 11:30: AM	2/17/2010 12:03	1 GAL	Sewer Service Line	139264	ROOTS IN MAIN SEWER	ROOTS	1020233	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1020574 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	6437 SIX MILE LN	02/18/10 10:00: AM	2/18/2010 10:30	1 GAL	Sewer Service Line	95465	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1020588	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1020592 - ROOT CUT THE MAIN SEWER; ADVISED CUSTOMER TO CONTACT A PLUMBER IF PROBLEM CONTINUES
MORRIS FORMAN	KY0022411	308 MOSER RD	02/21/10 5:17: PM	2/21/2010 18:00	5 GAL	Sewer Service Line	71803D	ROOTS IN MAIN SEWER	ROOTS	1021227	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1021226 AND 1021413 - FLUSHED AND ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	1272 SPRINGDALE DR	02/23/10 5:36: PM	2/23/2010 18:23	3 GAL	Sewer Service Line	KK13398029	OBSTRUCTION IN THE MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1025152	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1025131 - FLUSHED THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	2319 DEVERON DR	03/01/10 10:15: AM	3/1/2010 11:00	1 GAL	Sewer Service Line	23500	MSD PERSONNEL PERFORMING PREVENTIVE MAINTENANCE ON SEWERS	OBSTRUCTION-NOT GREASE / ROOTS	1032304	ROBINSON CLEANING CONTRACTOR WILL CLEAN THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4400 CLOVERLEAF DR	03/02/10 9:25: PM	3/2/2010 21:31	2 GAL	Sewer Service Line	090B00270000A	ROOTS IN MAIN SEWER	ROOTS	1032921	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 1033182 AND 1033231 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	3900 POPLAR LEVEL RD	03/02/10 8:41: PM	3/2/2010 21:06	2 GAL	Sewer Service Line	KK14475019	ROOTS IN MAIN SEWER	ROOTS	1032924	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 1032988 AND 1033040 - ROOT CUT AND FLUSHED THE MAIN SEWER
MORRIS FORMAN	KY0022411	2300 HEATHER LN	03/03/10 3:00: PM	3/3/2010 15:34	2 GAL	Sewer Service Line	XX12737019	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1033190	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1033193 - ROOT CUT MAIN SEWER AND OPENED LINE
JEFFERSONTOWN	KY0025194	10510 PARK AVE	03/04/10 7:00: PM	3/4/2010 19:36	1 GAL	Sewer Service Line	049600220000A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1034031	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 1034029 AND 1034354 - ROOT CUT THE MAIN SEWER AND REMOVED OBSTRUCTION

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MORRIS FORMAN	KY0022411	1410 NORTHWIND RD	03/04/10 9:00: PM	3/4/2010 22:14	1 GAL	Sewer Service Line	166800060000A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1034033	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1034034 - FLUSHED THE MAIN SEWER
MORRIS FORMAN	KY0022411	1609 DEVON CT	03/07/10 10:00: PM	3/7/2010 22:46	1 GAL	Sewer Service Line	HP16890019	ROOTS IN MAIN SEWER	ROOTS	1034482	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1034478, 1034639 - ROOT CUT THE MAIN SEWER
CHENOWETH HILLS	KY0029459	10605 ST RENE RD	03/09/10 10:30: AM	3/9/2010 10:54	1 GAL	Sewer Service Line	BE07978219	ROOTS IN MAIN SEWER	ROOTS	1036507	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1036861 - ROOT CUT MAIN SEWER
MORRIS FORMAN	KY0022411	1508 CHEROKEE RD	03/09/10 1:30: PM	3/9/2010 14:36	1 GAL	Sewer Service Line	22844	ROOTS IN MAIN SEWER	ROOTS	1036641	CUSTOMER CLEANED IMPACTED AREA	WORK ORDER 1036858 - ROOT CUT AND REMOVED OBSTRUCTION FROM THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	1705 SADIE LN	03/11/10 3:00: PM	3/11/2010 15:20	1 GAL	Sewer Service Line	102101030000A	MSD CONTRACTOR FLUSHING LINE	OBSTRUCTION-NOT GREASE / ROOTS	1039129	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1604 GROVE AVE	03/11/10 6:00: PM	3/11/2010 18:24	1 GAL	Sewer Service Line	44681	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1039196	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1039193 - FLUSHED THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	4119 ST JOSEPH AVE	03/11/10 10:00: PM	3/12/2010 0:30	1 GAL	Sewer Service Line	99072	ROOTS IN MAIN SEWER	ROOTS	1039213	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1039211 - ROOT CUT MAIN SEWER TO OPEN
BANCROFT	KY0039021	1903 HOLLEN RD	03/15/10 11:45: AM	3/15/2010 12:15	3 GAL	Sewer Service Line	1791903	MAIN SEWER CRUSHED AND HAS OBSTRUCTION	STRUCTURAL FAILURE	1040044	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 1040052 ADN 1040490 - FLUSHED AND REPAIRED THE MAIN SEWER
MORRIS FORMAN	KY0022411	416 SPRITE RD	03/16/10 1:45: PM	3/16/2010 14:30	1 GAL	Sewer Service Line	034400750000A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1040563	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORER 1040564 - ROOT CUT THE MAIN SEWER AND REMOVED OBSTRUCTION
MORRIS FORMAN	KY0022411	3811 BRECKENRIDGE LN	03/21/10 8:30: PM	3/21/2010 20:51	1 GAL	Sewer Service Line	11218	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1041824	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1041825 - FLUSHED OBSTRUCTION FROM MAIN SEWER
DEREK R. GUTHRIE	KY0078956	4610 KIEFER RD	03/22/10 5:00: PM	3/22/2010 17:31	1 GAL	Sewer Service Line	102004370000A	MSD CONTRACTOR CLEANING SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1042150	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INIDACTED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	8013 GRENELLE DR	03/25/10 11:45: AM	3/25/2010 13:21	1 GAL	Sewer Service Line	PC10228099	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1043179	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1043181 - FLUSHED AND OPEN THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	6212 MOUNT EVEREST DR	03/20/10 11:45: PM	3/21/2010 0:19	1 GAL	Sewer Service Line	123706212B	CONTRACTORS PERFORMING MAINTENANCE ON SEWERS	OBSTRUCTION-NOT GREASE / ROOTS	1043315	MSD CONTRACTOR CLEANED AND SANTIZED IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
HUNTING CREEK NORTH	KY0029106	6734 DEEP CREEK DR	03/30/10 8:06: PM	3/30/2010 20:57	1 GAL	Sewer Service Line	EP46700019	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1045363	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1043569, 1046245 AND 1046246 - ROOT CUT AND FLUSHED THE MAIN SEWER
MORRIS FORMAN	KY0022411	1809 CARL CT	04/05/10 9:45: AM	4/5/2010 10:26	10 GAL	Sewer Service Line	090E00770000A	GREASE IN MAIN SEWER	GREASE BLOCKAGE	1048607	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1048602 - FLUSHED THE GREASE FROM SEWER
MORRIS FORMAN	KY0022411	1250 SPRINGDALE DR	04/06/10 8:18: PM	4/6/2010 20:20	1 GAL	Sewer Service Line	KK13391039	MSD PERSONNEL CLEANING THE SEWERS	OBSTRUCTION-NOT GREASE / ROOTS	1053195	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4144 RESERVOIR AVE	04/07/10 2:30: PM	4/7/2010 16:20	1 GAL	Sewer Service Line	86655	ROOTS IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1053646	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1053653 - ROOT CUT MAIN SEWER AND OPENED LINE
CEDAR CREEK	KY0098540	8715 LOUGH DR	04/08/10 8:00: PM	4/8/2010 20:32	1 GAL	Sewer Service Line	1352234	DEBRIS IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1054972	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1054971 - FLUSHED DEBRIS FROM MAIN SEWER
MORRIS FORMAN	KY0022411	7801 BARBOUR MANOR DR	04/11/10 3:17: PM	4/11/2010 15:18	1 GAL	Sewer Service Line	160600010000A	ROOTS IN MAIN SEWER	ROOTS	1055579	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1055674 - ROOT CUT THE MAIN SEWER AND OPENED LINE

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
DEREK R. GUTHRIE	KY0078956	4916 ANA TER	04/12/10 11:45: AM	4/12/2010 13:45	1 GAL	Sewer Service Line	1445	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1055860	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1055850 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	8623 MICHAEL RAY DR	04/12/10 9:57: PM	4/12/2010 22:41	1 GAL	Sewer Service Line	167362	HEAVY ROOTS IN MAIN SEWER	ROOTS	1056019	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 1056020, 1056237 AND 1056238 - ROOT CUT AND VACTORED MAIN SEWER
DEREK R. GUTHRIE	KY0078956	8215 SMYRNA PKY	04/21/10 1:30: PM	4/21/2010 15:15	1 GAL	Sewer Service Line	103218215	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1059024	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 1059019 AND 1059020 - ROOT CUT THE MAIN SEWER AND REMOVED OBSTRUCTION
MORRIS FORMAN	KY0022411	133 BRECKENRIDGE LN	04/23/10 7:19: PM	4/23/2010 19:44	1 GAL	Sewer Service Line	MA11714029	GREASE BLOCKAGE IN MAIN SEWER	GREASE BLOCKAGE	1059810	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1059809 - FLUSHED GREASE FROM MAIN SEWER
CHENOWETH HILLS	KY0029459	10310 LARK PARK DR	04/24/10 10:20: AM	4/24/2010 10:28	1 GAL	Sewer Service Line	BE07749419	ROOTS IN MAIN SEWER	ROOTS	1059863	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1059990 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	3413 INGLE AVE	04/24/10 10:00: PM	4/25/2010 0:53	10 GAL	Sewer Service Line	MA09226019	HEAVY DEBRIS IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1060039	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1060099 - FLUSHED THE MAIN SEWER
MORRIS FORMAN	KY0022411	3411 INGLE AVE	04/25/10 12:50: AM	4/25/2010 1:17	10 GAL	Sewer Service Line	MA09227069	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1060042	MSD'S CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1060040 - FLUSHED THE MAIN SEWER
MORRIS FORMAN	KY0022411	3903 JENICA WAY	04/27/10 11:30: AM	4/27/2010 11:58	1 GAL	Sewer Service Line	138738	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1060755	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER - ROOT CUT MAIN SEWER TO OPEN LINE
MORRIS FORMAN	KY0022411	2613 WILSON AVE	05/01/10 9:40: AM	5/1/2010 10:30	2 GAL	Sewer Service Line	111661	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062168	MSD PERSONNEL ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3110 MELANIE WAY	05/01/10 12:30: PM	5/1/2010 14:10	30 GAL	Sewer Service Line	BJ11182019	ROOTS IN MSD'S MAIN SEWER	ROOTS	1062212	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1062214 - ROOT CUT AND OPEN THE MAIN SEWER
MORRIS FORMAN	KY0022411	3112 MELANIE WAY	05/01/10 12:30: PM	5/1/2010 14:10	10 GAL	Sewer Service Line	091N01870000A	ROOTS IN MSD'S MAIN SEWER	ROOTS	1062216	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1062215 - ROOTCUT AND OPEN THE MAIN SEWER
CEDAR CREEK	KY0098540	5508 OAK CREEK LN	05/02/10 1:00: PM	5/2/2010 15:47	20 GAL	Sewer Service Line	114765508	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1062479	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1062569 - ROOT CUT THE MAIN SEWER
CEDAR CREEK	KY0098540	5509 OAK CREEK LN	05/02/10 3:00: PM	5/2/2010 16:01	20 GAL	Sewer Service Line	114765509	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1062490	MSD CLEANING CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1062573 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	5302 RED FERN RD	05/02/10 6:45: PM	5/2/2010 18:53	1 GAL	Sewer Service Line	093404530000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062558	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	ADVISED CUSTOMER TO CONTACT A PLUMBER
MORRIS FORMAN	KY0022411	2802 BEXLEY CT	05/02/10 8:45: AM	5/2/2010 10:00	5 GAL	Sewer Service Line	088H01200000A	ROOTS AND GREASE IN MAIN SEWER	ROOTS	1062581	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1062577 AND 1062579 - ROOT CUT THE MAIN SEWER; REFERRED TO CREW FOR TV INSPECTION
DEREK R. GUTHRIE	KY0078956	6809 PALM TREE DR	05/02/10 6:58: PM	5/2/2010 19:05	5 GAL	Sewer Service Line	PB18304019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062587	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4803 MILE OF SUNSHINE DR	05/02/10 6:52: PM	5/2/2010 18:53	4 GAL	Sewer Service Line	PB18223019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062596	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	5003 MILE OF SUNSHINE DR	05/02/10 6:30: PM	5/2/2010 18:48	5 GAL	Sewer Service Line	PB18200059	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062600	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2800 BEXLEY CT	05/02/10 8:45: AM	5/2/2010 10:00	1 GAL	Sewer Service Line	088H01190000A	ROOTS IN MAIN SEWER	ROOTS	1062602	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 1062577 AND 1062579 - ROOT CUT THE MAIN SEWER

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	7203 IVAN CT	05/02/10 4:42: PM	5/2/2010 17:22	4 GAL	Sewer Service Line	062R00460000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062605	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	202 SOUTHSIDE CT	05/02/10 5:28: PM	5/2/2010 17:42	4 GAL	Sewer Service Line	3953202	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062608	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3828 CHATHAM RD	05/02/10 11:01: AM	5/2/2010 11:22	1 GAL	Sewer Service Line	091E01540000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062609	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4513 ST RITA DR	05/02/10 5:54: PM	5/2/2010 18:30	5 GAL	Sewer Service Line	PC12367019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062612	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	2201 MARY CATHERINE DR	05/02/10 2:16: PM	5/2/2010 15:03	1 GAL	Sewer Service Line	69588	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062613	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	6300 S 3RD ST	05/02/10 10:32: AM	5/2/2010 10:52	2 GAL	Sewer Service Line	Y11311029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062619	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2716 GOLDSMITH LN	05/02/10 11:29: AM	5/2/2010 12:22	5 GAL	Sewer Service Line	081J00580000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062620	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1861 TREVILIAN WAY	05/02/10 11:16: AM	5/2/2010 11:28	1 GAL	Sewer Service Line	104352	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062623	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	8925 OLD SOUTH PARK RD	05/02/10 11:57: AM	5/2/2010 12:55	4 GAL	Sewer Service Line	PC07258029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062624	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	220 W KINGSTON AVE	05/02/10 2:47: PM	5/2/2010 14:54	4 GAL	Sewer Service Line	54645	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062630	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	117 BONNER AVE	05/02/10 1:02: PM	5/2/2010 13:17	1 GAL	Sewer Service Line	8299	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062634	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2904 NEPPERHAN RD	05/02/10 9:30: PM	5/2/2010 21:46	10 GAL	Sewer Service Line	091A00590000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062636	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3224 EASTSIDE DR	05/02/10 9:50: PM	5/2/2010 22:08	10 GAL	Sewer Service Line	189203780000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062641	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	10801 DARTFORD PL	05/02/10 10:30: PM	5/2/2010 23:00	10 GAL	Sewer Service Line	132177	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062643	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3541 GOLDSMITH LN	05/02/10 5:46: PM	5/2/2010 17:48	1 GAL	Sewer Service Line	XX11250039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062644	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3829 CHATHAM RD	05/02/10 1:28: PM	5/2/2010 13:29	1 GAL	Sewer Service Line	091E01640000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062646	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	3101 ALTUS DR	05/02/10 4:18: PM	5/2/2010 16:47	1 GAL	Sewer Service Line	124300480075A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062647	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
SILVER HEIGHTS	KY0028801	9818 TITAN DR	05/02/10 5:28: PM	5/2/2010 17:36	1 GAL	Sewer Service Line	PD01680039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062648	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	805 OXMOOR WOODS PKY	05/02/10 11:15: PM	5/2/2010 23:41	10 GAL	Sewer Service Line	241701230000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062649	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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MORRIS FORMAN	KY0022411	2509 BRIGHTON DR	05/02/10 10:15: AM	5/2/2010 23:59	150 GAL	Sewer Service Line	046700250000A	OBSTRUCTION IN THE MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1062652	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1062654 - FLUSHED AND OPEN THE MAIN SEWER
MORRIS FORMAN	KY0022411	2810 POMEROY DR	05/03/10 12:01: AM	5/3/2010 0:44	10 GAL	Sewer Service Line	091A01700000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062656	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	218 RING RD	05/02/10 4:00: PM	5/2/2010 17:15	1 GAL	Sewer Service Line	88162	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1062658	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2514 BRIGHTON DR	05/02/10 10:15: PM	5/2/2010 23:59	150 GAL	Sewer Service Line	046700330000A	OBSTRUCTION IN MSD MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1062663	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1062655 - FLUSHED MAIN SEWER AND OPENED LINE
MORRIS FORMAN	KY0022411	6840 GREEN MEADOW CIR	05/02/10 9:00: PM	5/2/2010 22:00	1 GAL	Sewer Service Line	35157	OBSTRUCTION IN MSD MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1062665	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1062664 - FLUSHED THE MAIN SEWER AND OPEN LINE
DEREK R. GUTHRIE	KY0078956	7916 ANNELLA WAY	05/02/10 11:00: AM	5/2/2010 11:30	1 GAL	Sewer Service Line	PC11307019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063017	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	7916 ANNELLA WAY	05/02/10 11:24: AM	5/2/2010 12:00	1 GAL	Sewer Service Line	PC11307019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063022	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	8207 SIESTA WAY	05/02/10 11:25: AM	5/2/2010 15:00	1 GAL	Sewer Service Line	PC12114029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063025	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	5107 DEE RD	05/02/10 3:00: PM	5/2/2010 16:00	1 GAL	Sewer Service Line	PC11468019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063036	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	7914 ANNELLA WAY	05/02/10 1:28: PM	5/2/2010 14:00	1 GAL	Sewer Service Line	PC11306019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063060	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3525 LEITH LN	05/03/10 12:00: PM	5/3/2010 12:48	15 GAL	Sewer Service Line	087G01490000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063062	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
JEFFERSONTOWN	KY0025194	9510 TAYLORSVILLE RD	05/03/10 1:30: PM	5/3/2010 13:50	2 GAL	Sewer Service Line	048400130000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063122	CUSTOMER CLEANED THE IMPACTED AREA	ADVISED TO USE LIMITED FACILITIES UNTIL SEWERS GO DOWN
MORRIS FORMAN	KY0022411	3307 STARTAN CT	05/02/10 12:00: AM	5/2/2010 16:43	1 GAL	Sewer Service Line	091P00130000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063163	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3005 MID DALE LN	05/03/10 2:30: PM	5/3/2010 15:01	1 GAL	Sewer Service Line	091B00030000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063194	CUSTOMER CLEANED THE IMPACTED AREA	ADVISED TO WAIT FOR SYSTEM TO DRAIN
MORRIS FORMAN	KY0022411	3519 HERMAN ST	05/02/10 1:54: PM	5/2/2010 13:54	1 GAL	Sewer Service Line	40150	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063226	ADVISED CUSTOMER THAT THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3828 DOWNING WAY	05/02/10 2:30: PM	5/2/2010 14:30	1 GAL	Sewer Service Line	BJ09169089	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063228	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4105 FINAL DR	05/02/10 12:00: AM	5/2/2010 15:03	1 GAL	Sewer Service Line	111584105	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063233	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4227 ST THOMAS AVE	05/02/10 2:13: PM	5/2/2010 14:13	1 GAL	Sewer Service Line	BJ14683029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063239	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	8905 MAPLECREEK DR	05/03/10 2:30: PM	5/3/2010 15:30	1 GAL	Sewer Service Line	PC07279049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063242	UNKNOWN AT THIS TIME	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
DEREK R. GUTHRIE	KY0078956	8004 ANNELLA WAY	05/02/10 2:24: PM	5/2/2010 14:24	1 GAL	Sewer Service Line	181444	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063259	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3155 TALISMAN RD	05/03/10 3:45: PM	5/3/2010 16:21	10 GAL	Sewer Service Line	102114	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063284	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4505 ST RITA DR	05/02/10 12:00: AM	5/2/2010 14:29	1 GAL	Sewer Service Line	PC12371019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063299	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	5002 MILE OF SUNSHINE DR	05/02/10 2:59: PM	5/2/2010 14:59	1 GAL	Sewer Service Line	PB18338029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063302	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1560 MCKAY AVE	05/02/10 3:35: PM	5/2/2010 17:00	1 GAL	Sewer Service Line	KK14848489	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063305	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2809 DELL BROOKE AVE	05/03/10 4:45: PM	5/3/2010 17:15	2 GAL	Sewer Service Line	082Z01070000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063356	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3203 CABINWOOD DR	05/03/10 4:00: PM	5/3/2010 16:20	1 GAL	Sewer Service Line	091B00640000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063374	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	5013 S WATTERSON TRL	05/03/10 10:00: PM	5/3/2010 22:14	1 GAL	Sewer Service Line	137125013	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1063378	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 1063376, 1064279, 1078215 - ROOT CUT, FLUSHED AND VACTORED MAIN SEWER AND REMOVED OBSTRUCTION
MORRIS FORMAN	KY0022411	3928 DUTCHMANS LN	05/04/10 9:30: AM	5/4/2010 10:04	5 GAL	Sewer Service Line	Z18284029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063619	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	120 S ARBOR PARK	05/03/10 12:00: AM	5/3/2010 8:42	1 GAL	Sewer Service Line	148535	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1063690	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4105 BURRELL DR	05/03/10 3:33: PM	5/3/2010 16:05	1 GAL	Sewer Service Line	13087	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064207	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	5210 ALPINE WAY	05/03/10 7:10: PM	5/3/2010 19:53	3 GAL	Sewer Service Line	Y12093029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064234	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	132 CAMBRIDGE DR	05/04/10 12:45: PM	5/4/2010 13:02	10 GAL	Sewer Service Line	15220	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064258	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	1089 SPRINGVIEW DR	05/04/10 2:00: PM	5/4/2010 14:40	5 GAL	Sewer Service Line	066002240000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064362	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	7012 SHAREITH DR	05/04/10 2:45: PM	5/4/2010 15:15	1 GAL	Sewer Service Line	PB16569019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064416	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4519 MILE OF SUNSHINE DR	05/04/10 3:30: PM	5/4/2010 16:00	5 GAL	Sewer Service Line	PB18239029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064464	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2822 POMEROY DR	05/02/10 3:31: PM	5/2/2010 15:31	1 GAL	Sewer Service Line	091A01760000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064467	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3022 BEAUMONT RD	05/02/10 4:51: PM	5/2/2010 16:51	1 GAL	Sewer Service Line	081F00550000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064470	MSD CONTRACTOR CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4903 MILE OF SUNSHINE DR	05/02/10 3:48: PM	5/2/2010 15:48	1 GAL	Sewer Service Line	PB18210039	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064474	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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DEREK R. GUTHRIE	KY0078956	6802 BAHIA CT	05/02/10 1:37: PM	5/2/2010 13:37	1 GAL	Sewer Service Line	PB18279029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064477	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4604 MILE OF SUNSHINE DR	05/04/10 4:00: PM	5/4/2010 16:30	1 GAL	Sewer Service Line	PB18285029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064480	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	6802 PAPAYA CT	05/02/10 4:07: PM	5/2/2010 16:07	1 GAL	Sewer Service Line	PB18323019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064482	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3116 POMEROY DR	05/02/10 4:21: PM	5/2/2010 16:21	1 GAL	Sewer Service Line	BJ13943019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064487	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	1942 RICHMOND DR	05/02/10 4:33: PM	5/2/2010 16:33	1 GAL	Sewer Service Line	87683	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064493	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2802 CONROY PL	05/02/10 4:49: PM	5/2/2010 16:49	1 GAL	Sewer Service Line	091A01370000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064495	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	3234 ROSEWEDGE WAY	05/02/10 4:51: PM	5/2/2010 16:51	1 GAL	Sewer Service Line	124753234A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1064498	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	7912 ANNELLA WAY	05/04/10 12:00: AM	5/4/2010 8:12	1 GAL	Sewer Service Line	PC11305019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065056	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	8306 LINDA RD	05/05/10 9:52: AM	5/5/2010 9:53	1 GAL	Sewer Service Line	179006	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065100	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4024 LAURELWOOD AVE	05/05/10 9:30: AM	5/5/2010 10:10	15 GAL	Sewer Service Line	089J00720000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065107	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	8302 LINDA RD	05/02/10 4:58: PM	5/2/2010 16:58	1 GAL	Sewer Service Line	179008	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065230	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	7109 DITTMAR DR	05/02/10 5:15: PM	5/2/2010 17:15	1 GAL	Sewer Service Line	177210	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065233	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3904 NORENE LN	05/02/10 5:23: PM	5/2/2010 17:23	1 GAL	Sewer Service Line	76275	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065235	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	204 CAMBRIDGE DR	05/02/10 12:00: AM	5/2/2010 17:38	1 GAL	Sewer Service Line	15250	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065240	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	116 MARSHALL DR	05/02/10 5:54: PM	5/2/2010 17:54	1 GAL	Sewer Service Line	68836	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065320	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	3306 GOLDSMITH I	05/02/10 6:03: PM	5/2/2010 18:03	1 GAL	Sewer Service Line	055200020000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065324	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4708 SUNDAY DR	05/02/10 12:00: AM	5/2/2010 18:08	1 GAL	Sewer Service Line	PB18159019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065343	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	7905 ANNELLA WA	05/02/10 6:10: PM	5/2/2010 18:10	1 GAL	Sewer Service Line	137865	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065359	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4903 W BAHAMA C	05/02/10 6:17: PM	5/2/2010 18:17	1 GAL	Sewer Service Line	PB18028029	LACK OF SYSTEM	LACK OF SYSTEM CAPACITY	1065371	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD

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MORRIS FORMAN	KY0022411	5808 SPICEWOOD I	05/02/10 6:42: PM	5/2/2010 18:42	1 GAL	Sewer Service Line	09620260000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065381	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2903 NEPPERHAN I	05/02/10 6:23: PM	5/2/2010 18:23	1 GAL	Sewer Service Line	091A00630000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065387	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	7920 ANNELLA WA	05/05/10 3:20: PM	5/5/2010 15:40	1 GAL	Sewer Service Line	PC11309019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065390	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THE ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2802 RIO RITA AVE	05/02/10 6:23: PM	5/2/2010 18:23	1 GAL	Sewer Service Line	88295	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065414	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	6303 SIX MILE LN	05/02/10 6:57: PM	5/2/2010 18:57	1 GAL	Sewer Service Line	091A02000000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065423	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	7511 GADWALL W	05/03/10 11:00: PM	5/3/2010 23:15	1 GAL	Sewer Service Line	1485998	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065485	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	7503 CRABTREE D	05/05/10 11:00: AM	5/5/2010 11:24	1 GAL	Sewer Service Line	PB14106019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065590	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	801 OXMOOR WOC	05/02/10 7:26: PM	5/2/2010 19:26	1 GAL	Sewer Service Line	HU17282029	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065707	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4108 ROXBURY RD	05/02/10 8:09: PM	5/2/2010 20:09	1 GAL	Sewer Service Line	091A02050000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065732	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2812 POMEROY DR	05/02/10 8:03: PM	5/2/2010 20:03	1 GAL	Sewer Service Line	091A01710000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065750	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4018 BURRELL DR	05/06/10 12:00: PM	5/6/2010 12:45	5 GAL	Sewer Service Line	12609	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1065766	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	2511 BRIGHTON D	05/02/10 11:52: PM	5/2/2010 23:52	1 GAL	Sewer Service Line	046700260000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1066275	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	10811 ORELAND M	05/02/10 8:04: PM	5/2/2010 20:04	1 GAL	Sewer Service Line	175246	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1066725	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4605 MILE OF SUN	05/02/10 8:33: PM	5/2/2010 20:33	1 GAL	Sewer Service Line	PB18236029	LACK OF SYSTEM	LACK OF SYSTEM CAPACITY	1066727	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	306 LYNDON LN	05/06/10 1:00: PM	5/6/2010 13:34	1 GAL	Sewer Manhole	47673	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1066731	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	SEWER HAS RECEDED
MORRIS FORMAN	KY0022411	3714 NOBLITT DR	05/02/10 8:52: PM	5/2/2010 20:52	1 GAL	Sewer Service Line	091E03490000A	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1066754	ADVISED CUSTOMER THEY ARE RESPONSIBLE FOR CLEANING THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	126 WEBSTER ST	05/03/10 1:54: PM	5/3/2010 13:54	1 GAL	Sewer Service Line	F20260059	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1068483	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
DEREK R. GUTHRIE	KY0078956	4904 SUNDAY DR	05/02/10 10:46: AM	5/2/2010 11:02	5 GAL	Sewer Service Line	PB18174039	LACK OF SYSTEM CAPACITY - RAIN EVENT	LACK OF SYSTEM CAPACITY	1069041	SSES CONTRACTOR RJN WILL INSPECT AND CLEAN	RJN TO REINSPECT, CORRECT PROBLEMS, CLEAN AND SANITIZE
TIMBERLAKE	KY0043087	13 HARRODS LAN	05/11/10 10:20: AM	5/11/2010 10:40	20 GAL	Sewer Service Line	1036813	POOL COMPANY CLEANING POOL	UTILITY DAMAGED MSD ASSET	1069618	CONTRACTOR CONDUCTING CLEAN UP	STOPPED POOL COMPANY AND HAULED STATION TILL HIGH WETWELL ENDED

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TIMBERLAKE	KY0043087	11 HARRODS LANE	05/11/10 10:20: AM	5/11/2010 10:40	20 GAL	Sewer Service Line	1036811	POOL COMPANY CLEANING POOL	UTILITY DAMAGED MSD ASSET	1069624	HOMEOWNER CONTRACTOR	STOPPED POOL COMPANY AND HAULED STATION TILL HIGH WET WELL CLEARED
TIMBERLAKE	KY0043087	15 HARRODS LANE	05/11/10 10:20: AM	5/11/2010 10:40	20 GAL	Sewer Service Line	1036815	POOL COMPANY CLEANING POOL	UTILITY DAMAGED MSD ASSET	1069626	HOMEOWNER CONTRACTOR	STOPPED POOL COMPANY AND HAULED STATION TILL HIGH WETWELL CLEARED
MORRIS FORMAN	KY0022411	709 OXMOOR WOOD	05/12/10 8:00: PM	5/12/2010 21:00	1 GAL	Sewer Service Line	HU17286049	ROOTS IN MAIN SEWER	ROOTS	1073373	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1071765 AND 1076043 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	800 OXMOOR WOOD	05/12/10 11:00: PM	5/12/2010 23:33	1 GAL	Sewer Service Line	HU18401029	ROOTS IN MAIN SEWER	ROOTS	1073384	MSD'S CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDERS 1071765 AN 1076043 - ROOT CUT MAIN SEWER
MORRIS FORMAN	KY0022411	3501 LARKWOOD AVE	05/13/10 2:10: PM	5/13/2010 14:45	1 GAL	Sewer Service Line	57713	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1077331	CUSTOMER CLEANED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	933 SOUTHVIEW ROAD	05/13/10 3:00: PM	5/13/2010 15:30	1 GAL	Sewer Service Line	97752	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1077338	CUSTOMER CLEANED THE IMPACTED AREA	NO FURTHER INVESTAGATION NEEDED BY MSD PERSONNEL
MORRIS FORMAN	KY0022411	4225 ST THOMAS AVE	05/09/10 5:00: PM	5/9/2010 17:39	1 GAL	Sewer Service Line	BJ14684069	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1077916	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	4234 ST THOMAS AVE	05/09/10 5:40: PM	5/9/2010 18:00	1 GAL	Sewer Service Line	BJ14678049	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1077917	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
JEFFERSONTOWN	KY0025194	3615 ST EDWARDS	05/17/10 11:30: AM	5/17/2010 11:53	1 GAL	Sewer Service Line	163844D	ROOTS IN MAIN SEWER	ROOTS	1078071	MSD CONTARCTOR CLEANED AND SANITIZED THE IMPACTED AREA	WORK ORDER 1078014 - ROOT CUT MAIN SEWER AND WERE ABLE TO OPEN LINE
MORRIS FORMAN	KY0022411	2126 SHERWOOD AVE	05/18/10 10:00: AM	5/18/2010 13:34	1 GAL	Sewer Service Line	X07080029	OBSTRUCTION IN THE MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1080309	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDERS 1080313 ADN 1080314 - FLUSHED AND VACTORED MAIN SEWER
MORRIS FORMAN	KY0022411	318 CASTLEVIEW ROAD	05/20/10 11:00: PM	5/20/2010 23:21	1 GAL	Sewer Service Line	031600570000A	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1081388	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1081389 - FLUSHED THE MAIN SEWER AND REMOVED OBSTRUCTION
DEREK R. GUTHRIE	KY0078956	4408 TALITHA CT	05/26/10 10:45: AM	5/26/2010 11:17	1 GAL	Sewer Service Line	607590	ROOTS IN MAIN SEWER	ROOTS	1083702	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1084351 - ROOT CUT THE MAIN SEWER
DEREK R. GUTHRIE	KY0078956	9214 LAKERIDGE DRIVE	05/28/10 11:18: AM	5/28/2010 11:42	5 GAL	Sewer Service Line	AU12203019	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1084493	MSD CONTRACTOR CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
HUNTING CREEK NORTH	KY0029106	7400 HADDINGTON	05/14/10 12:15: AM	5/14/2010 1:15	1 GAL	Sewer Service Line	EP54290519A	GREASE BLOCKAGE IN MAIN SEWER	GREASE BLOCKAGE	1084785	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1084784 - FLUSHED THE MAIN SEWER AND REMOVED GREASE OBSTRUCTION
MORRIS FORMAN	KY0022411	7900 SHELBYVILLE	05/29/10 7:00: PM	5/29/2010 21:11	1 GAL	Sewer Service Line	181204	OBSTRUCTION IN MAIN SEWER (PAPER TOWELS)	OBSTRUCTION-NOT GREASE / ROOTS	1084790	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1084789 - FLUSHED MAIN SEWER AND REMOVED OBSTRUCTION
MORRIS FORMAN	KY0022411	319 CASTLEVIEW ROAD	05/20/10 11:00: PM	5/20/2010 23:37	1 GAL	Sewer Service Line	031600580000A	GREASE OBSTRUCTION IN MAIN SEWER	GREASE BLOCKAGE	1084792	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1094805 - FLUSHED THE MAIN SEWER AND REMOVED OBSTRUCTION
MORRIS FORMAN	KY0022411	1531 ALGONQUIN	06/10/10 5:30: PM	6/10/2010 18:43	10 GAL	Sewer Service Line	R04261029	OBSTRUCTION ON MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1094377	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER - 1094376 - FLUSHED THE MAIN SEWER AND REMOVED OBSTRUCTION
MORRIS FORMAN	KY0022411	306 LYNDON LN	05/06/10 1:00: PM	5/6/2010 13:34	1 GAL	Sewer Manhole	47672	LACK OF SYSTEM CAPACITY	LACK OF SYSTEM CAPACITY	1095373	MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA	INVESTIGATION INDICATED THAT ADDITIONAL REPAIRS WERE NOT REQUIRED BY MSD
MORRIS FORMAN	KY0022411	11303 COOLWOOD	06/15/10 1:00: PM	6/15/2010 13:54	1 GAL	Sewer Service Line	171300750000A	MSD BACKWASH INTO THE PROPERTY SERVICE CONNNECTION	OBSTRUCTION-NOT GREASE / ROOTS	1095485	CUSTOMER CLEANED THE IMPACTED AREA	NO FURTHER INVESTAGATION NEEDED BY MSD

**APPENDIX B-5
OVERFLOWS TO INTERIOR
JULY 1, 2009 THROUGH JUNE 30, 2010**

Associated Wastewater Treatment Plant Name	Associated Treatment Plant KPDES #	Overflow Location	Overflow Start Date & Time	Overflow Stop Date & Time	Volume of Overflow	Source Asset Type	Source Asset ID	Cause of Overflow	Due To	WO #	Cleanup Efforts by MSD	Repair Efforts by MSD
MORRIS FORMAN	KY0022411	6206 SERENITY CT	06/16/10 2:30: PM	6/16/2010 15:39	1 GAL	Sewer Service Line	159857	OBSTRUCTION IN MAIN SEWER	OBSTRUCTION-NOT GREASE / ROOTS	1095908	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1095903 - ROOT CUT MAIN SEWER AND OPENED LINES UP
DEREK R. GUTHRIE	KY0078956	5811 MEDTREE PL	06/19/10 5:30: PM	6/19/2010 18:12	1 GAL	Sewer Service Line	PD20298019	ROOTS IN THE MAIN SEWER	ROOTS	1096837	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1096840 - ROOT CUT THE MAIN SEWER
MORRIS FORMAN	KY0022411	1901 DUBOURG AV	06/25/10 7:30: PM	6/25/2010 20:00	1 GAL	Sewer Service Line	30515	LARGE ROOTS IN MAIN SEWER	ROOTS	1098914	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1098913 - REMOVED ROOTS FROM MAIN SEWER
DEREK R. GUTHRIE	KY0078956	8909 MAPLECREEK	06/25/10 12:10: AM	6/25/2010 1:00	1 GAL	Sewer Service Line	PC07277089	GREASE IN MAIN SEWER	GREASE BLOCKAGE	1098977	CUSTOMER CLEANED THE IMPACTED AREA	WORK ORDER 1098978 - FLUSHED GREASE FROM MAIN SEWER

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	Eliminated					
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	Eliminated					
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
SBR	CSOs 142,174,180,182,183,184,185,186,187,188,205			12.15	9	12.14	9	-0.01
Total				4,092	2,314	3,298	2,348	
				Total AAOV Difference (MG/YR)	613.82	-793.02		
				Total AAOV Difference (Percentage)	15%	-19%		

Details of Individual SBR CSOs

SBR	CSOs 142,174,180,182,183,184,185,186,187,188,205						
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

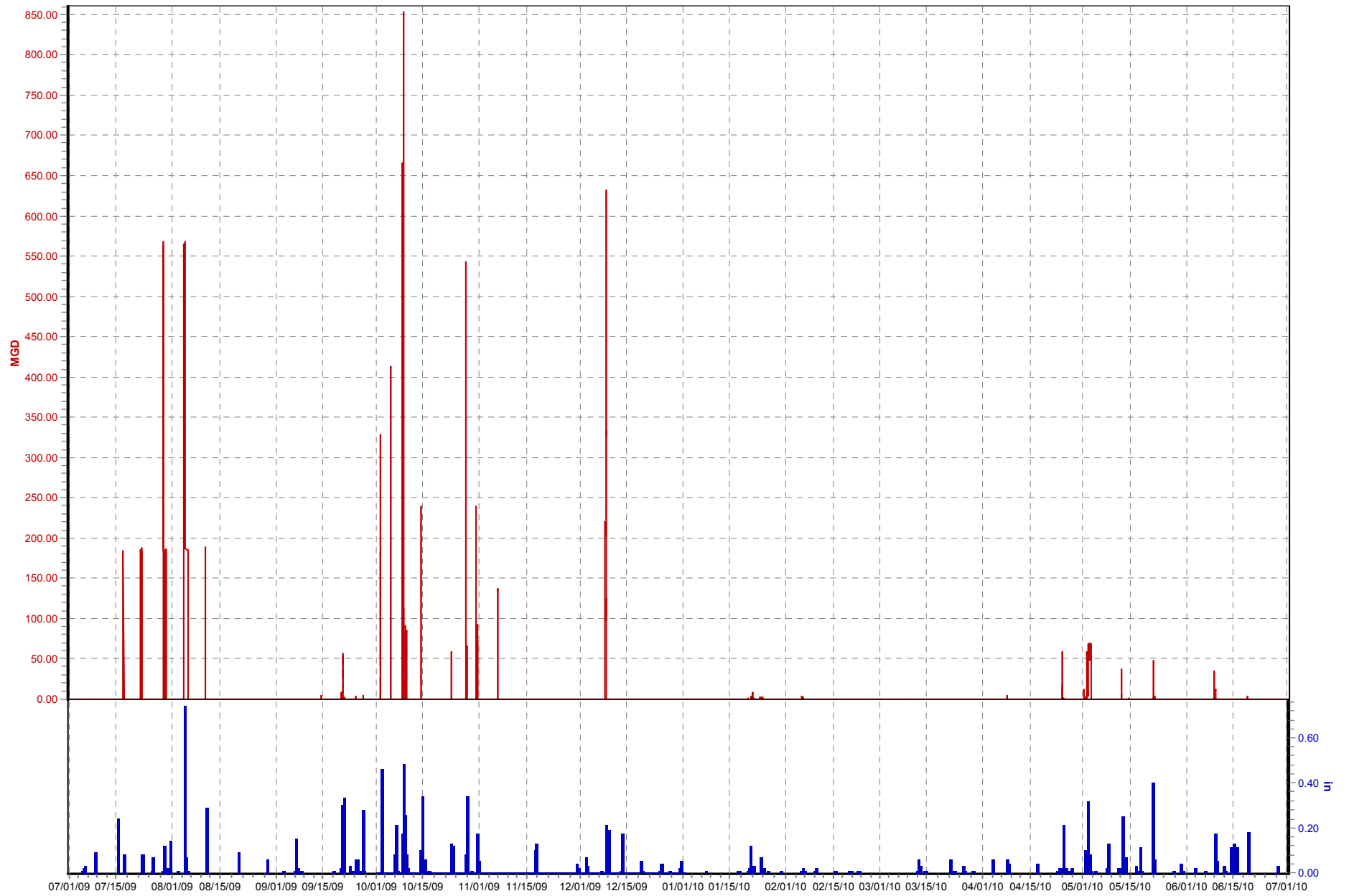
APPENDIX D - CSO FLOW MONITORING DATA

CSO #	Data Summary
CSO015	All data is present.
CSO016	All data is present.
CSO018	All data is present.
CSO019	All data is present.
CSO020	Flow meter installed on 3/9/2010.
CSO050	Flow meter installed on 11/17/2009.
CSO055	Flow meter installed on 11/17/2009.
CSO058	Flow meter installed on 12/16/2009.
CSO084	Flow meter installed on 11/18/2009. Configuration problems existed until 12/11/2009 which caused data gaps. Flow meter battery died on 2/23/2010 and was replaced on 3/1/2010.
CSO088	Incomplete flow record due to meter problems. Level and Velocity are included in graph and were obtained from a manual download.
CSO097	All data is present.
CSO105	Flow meter installed on 11/18/2009. Configuration problems existed until 12/02/2009 which caused data gaps.
CSO108	Flow meter battery died on 12/8/2009 and was replaced on 12/10/2010. Flow meter battery died on 1/16/2010 and was replaced on 1/22/2010.
CSO110	All data is present.
CSO117	All data is present.
CSO118	Flow meter battery died on 8/27/2009 and was replaced on 10/2/2009.
CSO121	Flow meter installed on 11/20/2009. Configuration problems existed until 12/30/2009 which caused data gaps.
CSO125	Telog battery died on 12/4/2009 and was replaced on 12/11/2009. Flow meter battery died on 1/21/2010 and was replaced on 2/05/2010. Flow meter and Telog batteries were low on 4/29/2010 and replaced on 5/1/2010. Flow meter battery was causing data gaps between 5/21/2010 and 5/25/2010.
CSO127	All data is present.
CSO132	Data gaps due to faulty battery exist between 12/10/2009 and 12/21/2009.
CSO140	All data is present.
CSO146	Telog battery was low and caused data gaps between 12/19/2010 and 12/23/2010.
CSO149	Flow meter installed on 11/17/2009. Configuration problems existed until 12/02/2009 which caused data gaps.
CSO151	All data is present.
CSO152	All data is present.
CSO153	Flow meter installed on 11/17/2009. Configuration problems existed until 12/03/2009 which caused data gaps.

CSO166	Flow meter battery caused data gaps between 7/19/2009 and 7/24/2009. Flow meter battery was taken out on 8/1/2009 and replaced on 10/17/2009.
CSO172	Flow meter was installed on 6/17/2010.
CSO174	Flow meter installed in November of 2009. Configuration problems existed until 12/15/2009.
CSO182	Flow meter battery died on 8/4/2009 and replaced on 8/6/2009.
CSO189	Flow meter battery died on 9/14/2009 and was replaced on 9/15/2009. Flow meter battery died on 1/18/2010 and was replaced on 1/22/2010.
CSO190	Flow meter battery caused data gaps between 11/8/2009 and 12/26/2009.
CSO191	Data gap exists between 2/16/2010 and 4/1/2010.
CSO206	All data is present.
CSO210	All data is present.
CSO211	All data is present.

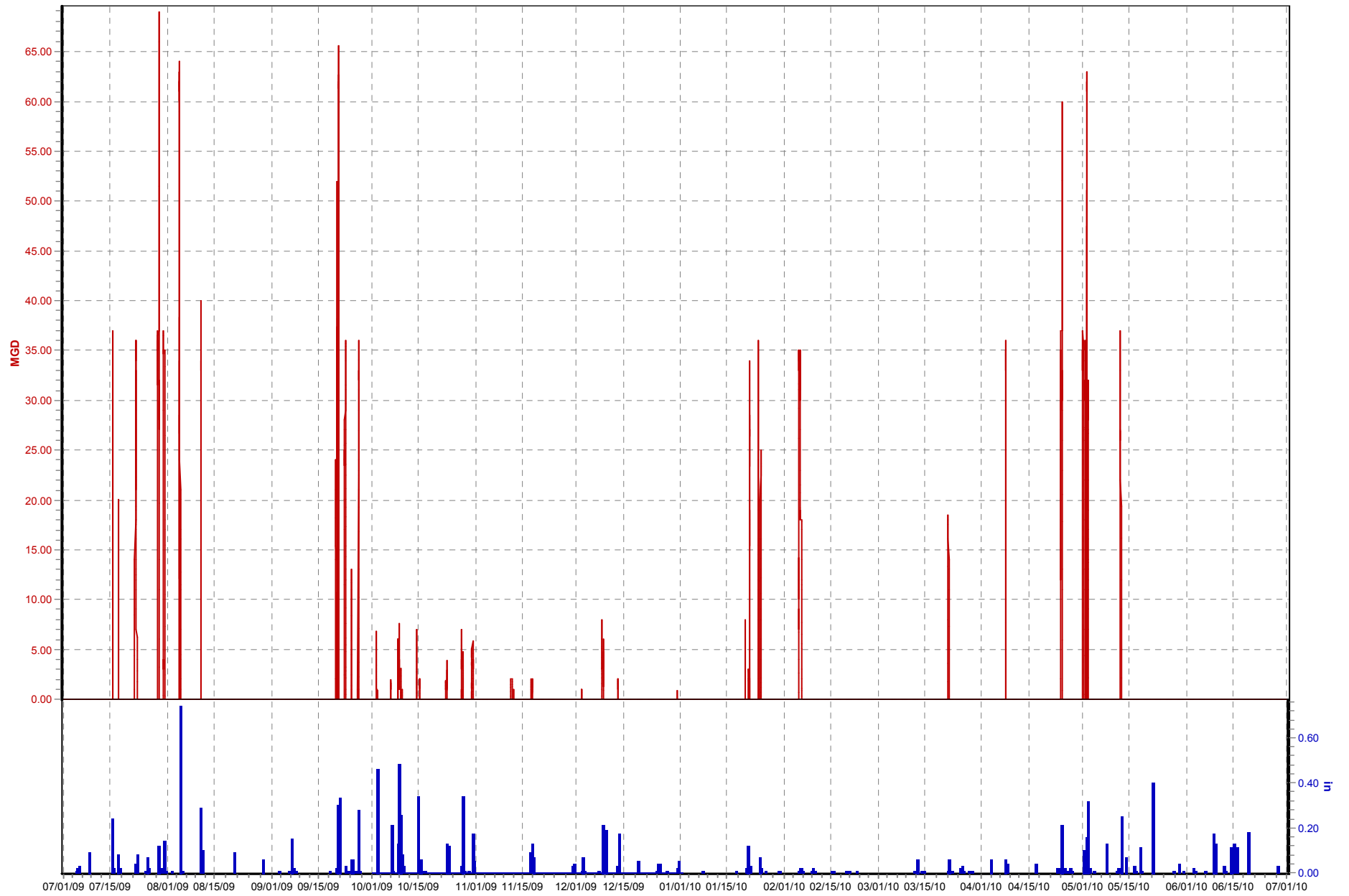
CSO015_Hist_Data (07/01/09 to 07/01/10)

Flow (MGD) TR04_Hist_Data.Rain (in)



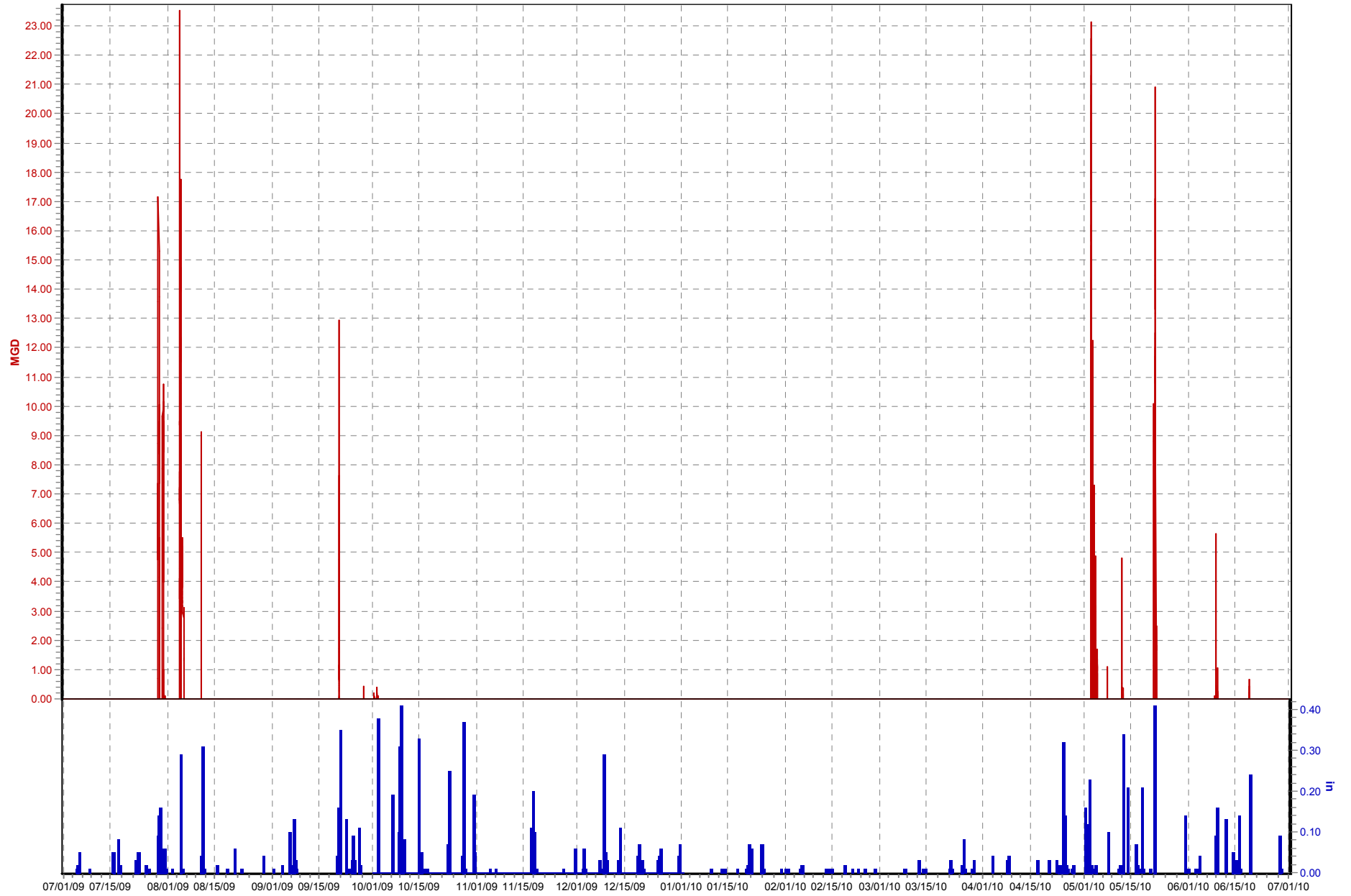
CSO016_Hist_Data (07/01/09 to 07/01/10)

Flow (MGD) TR04_Hist_Data.Rain (in)



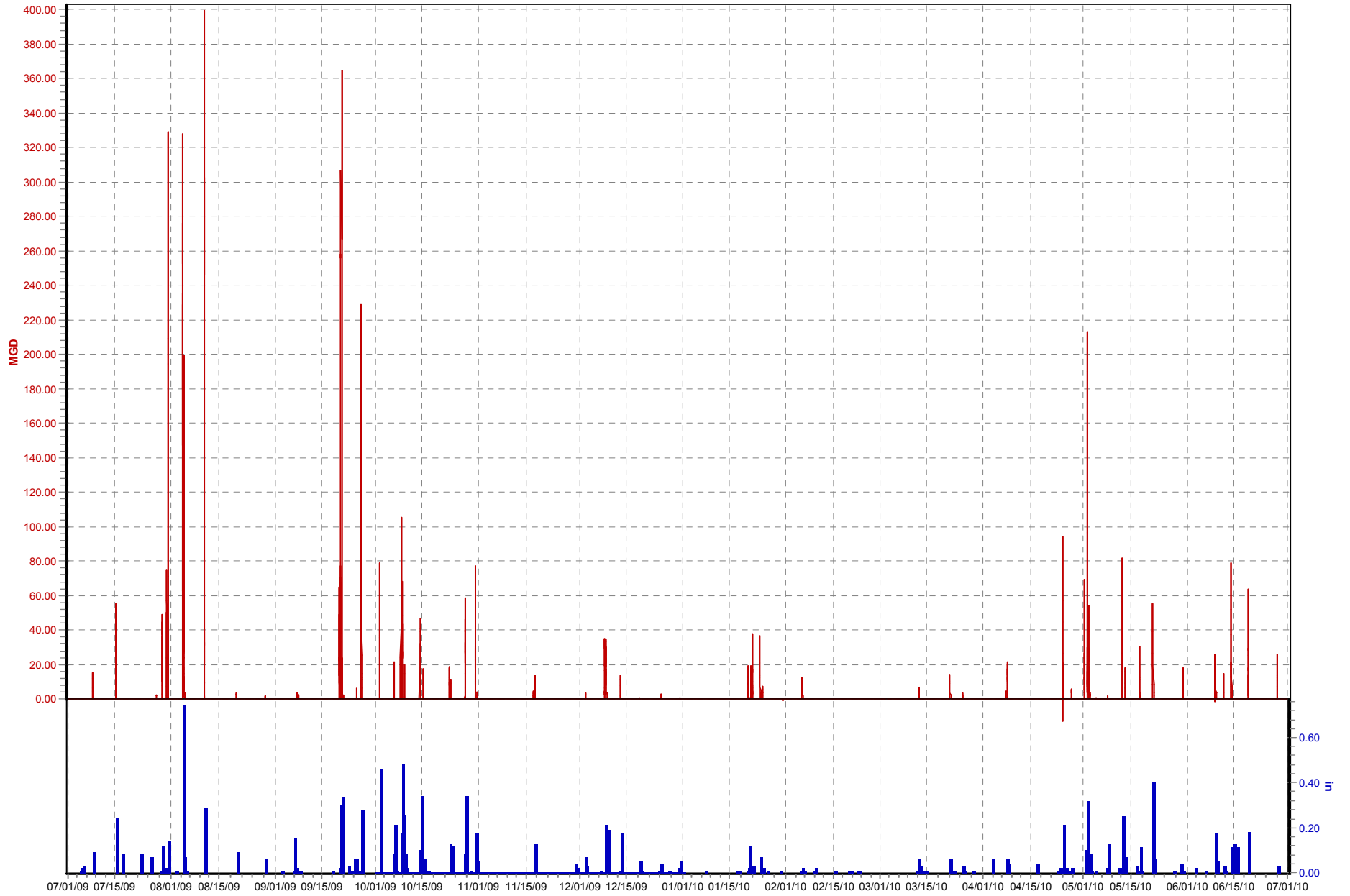
CSO018_Hist_Data (07/01/09 to 07/01/10)

Flow (MGD) TR12_Hist_Data.Rain (in)



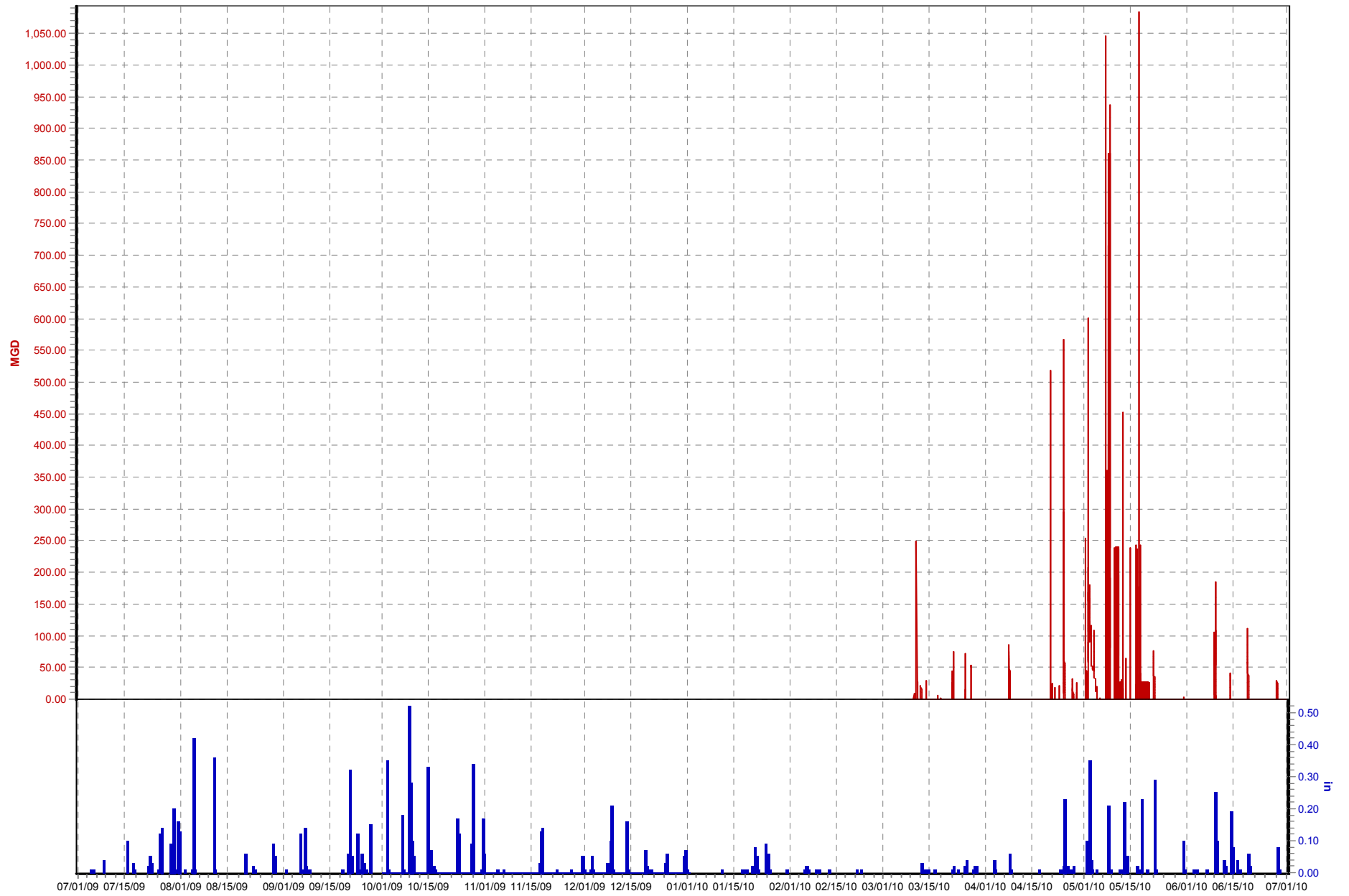
CSO019 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR04_Hist_Data.Rain (in)



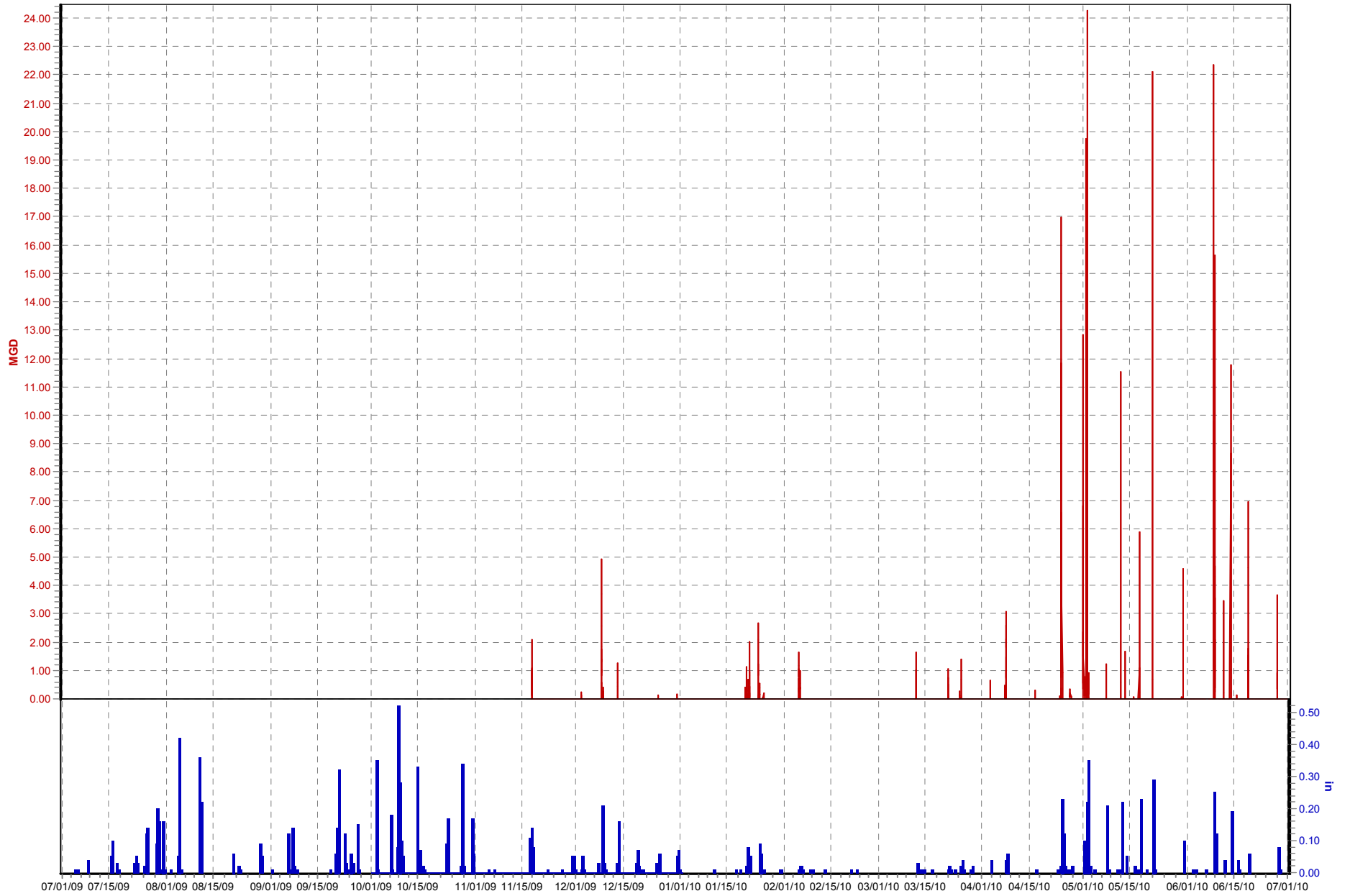
CSO020_Hist_Data (07/01/09 to 07/01/10)

Flow (MGD) TR05_Hist_Data.Rain (in)



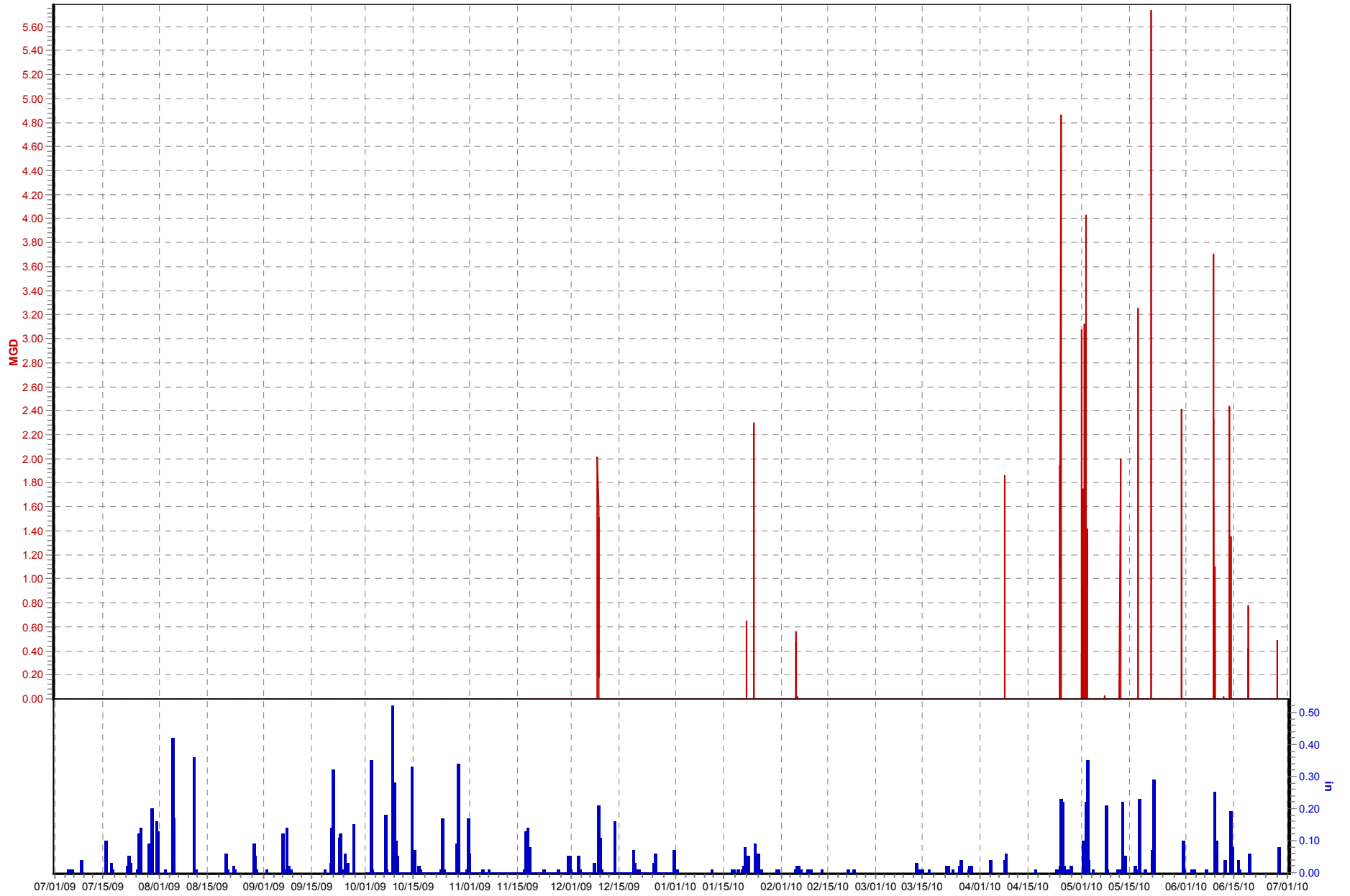
CSO050 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



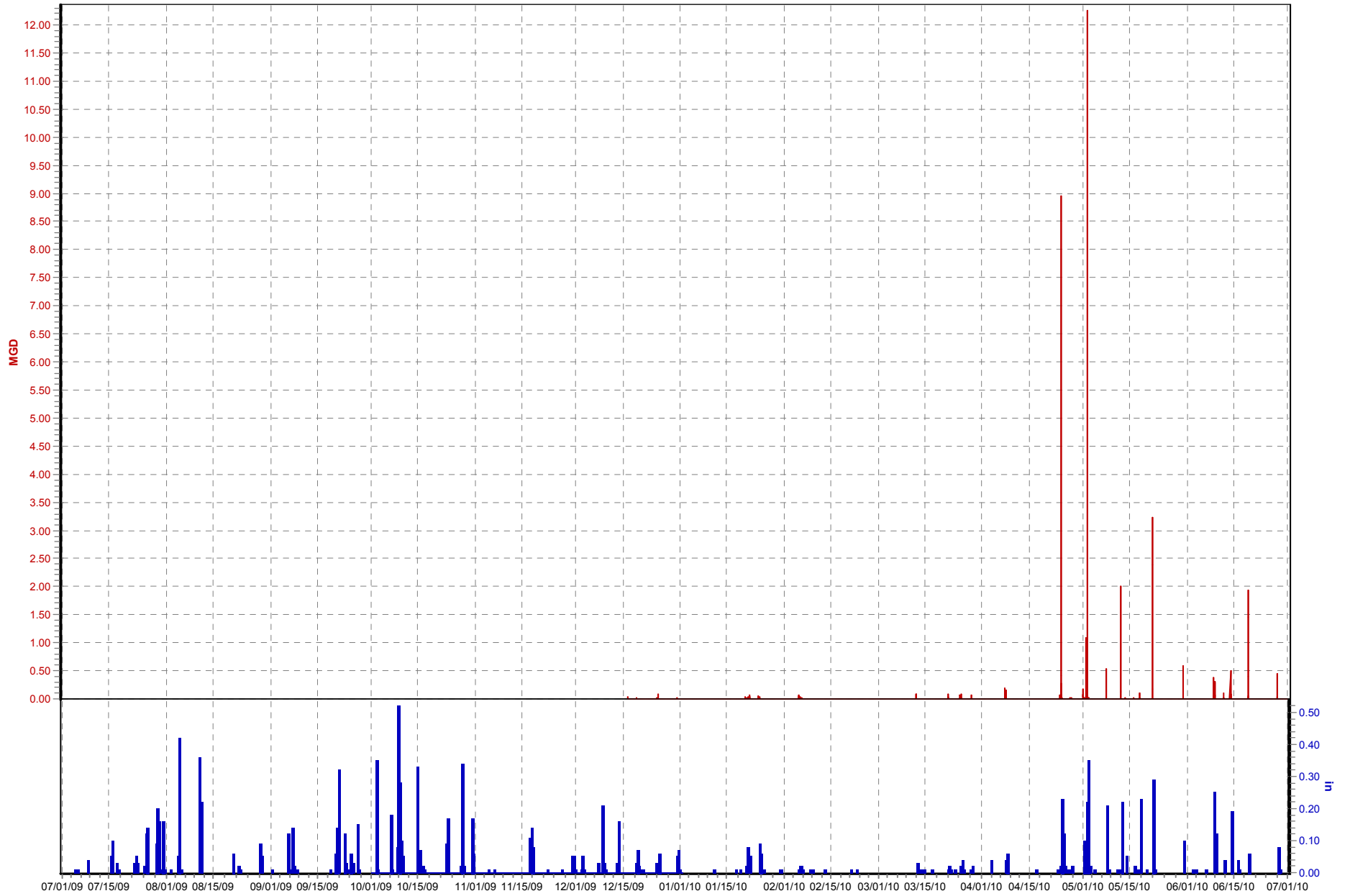
CSO055 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



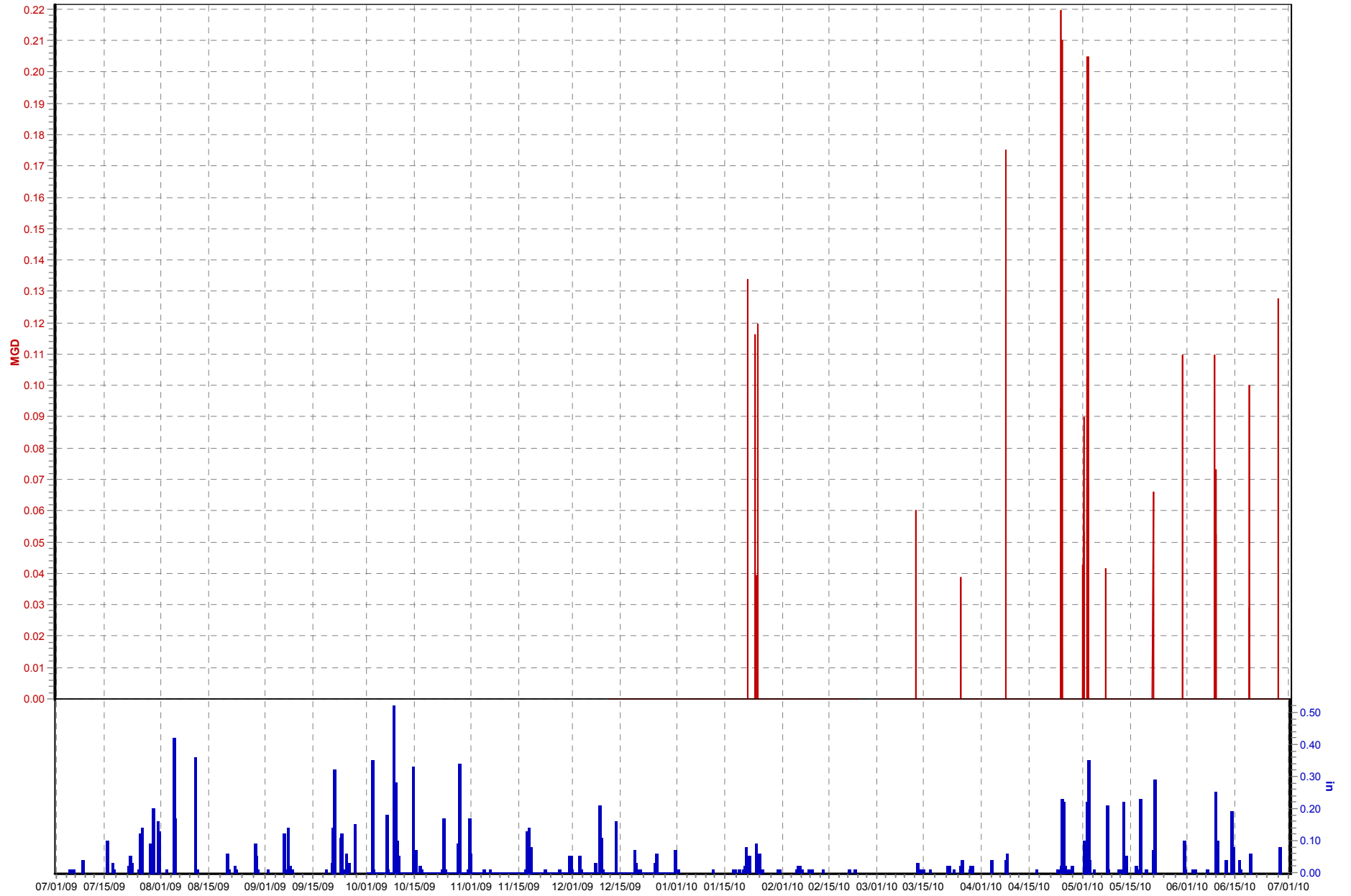
CSO058 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



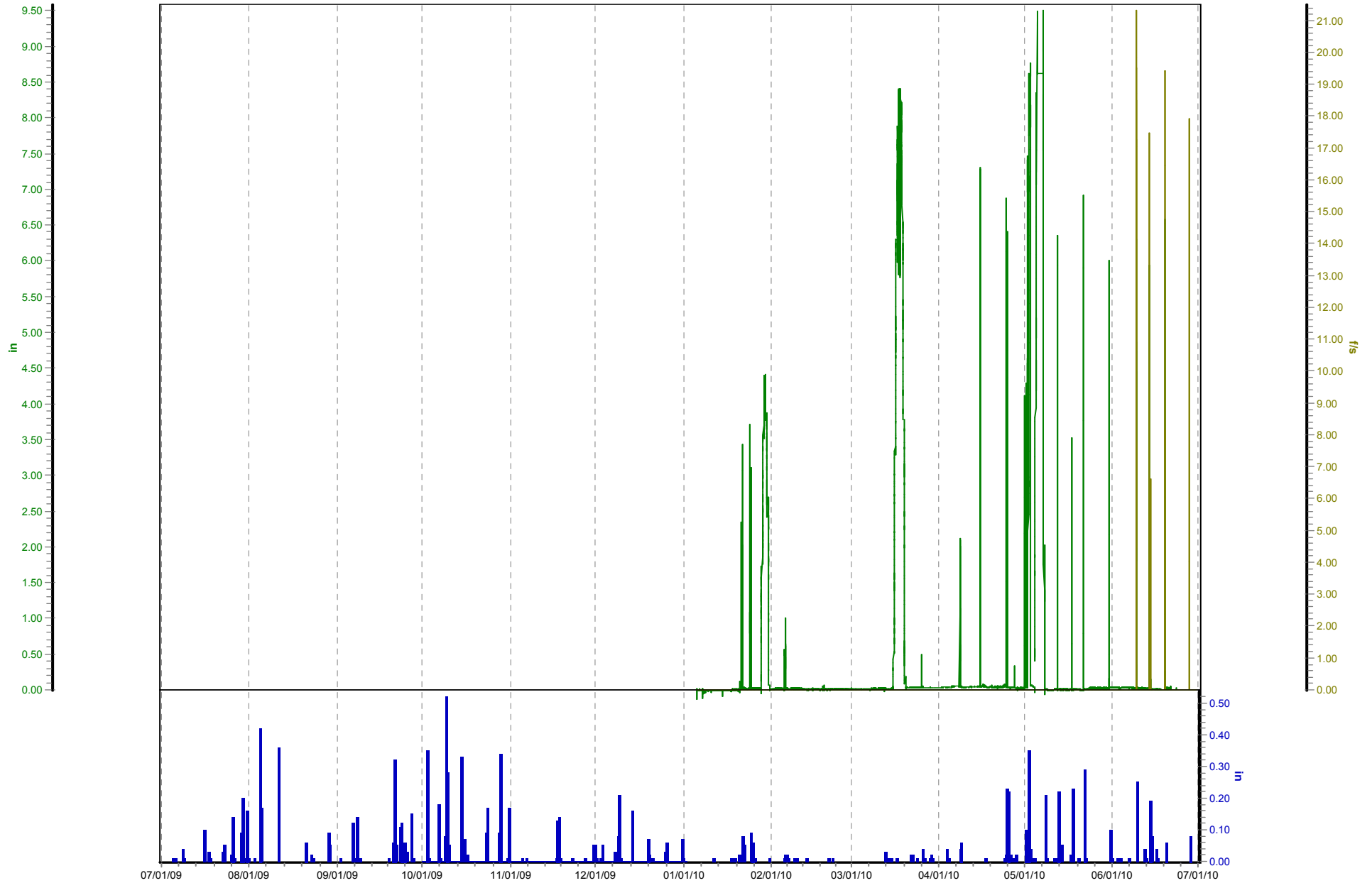
CSO084 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



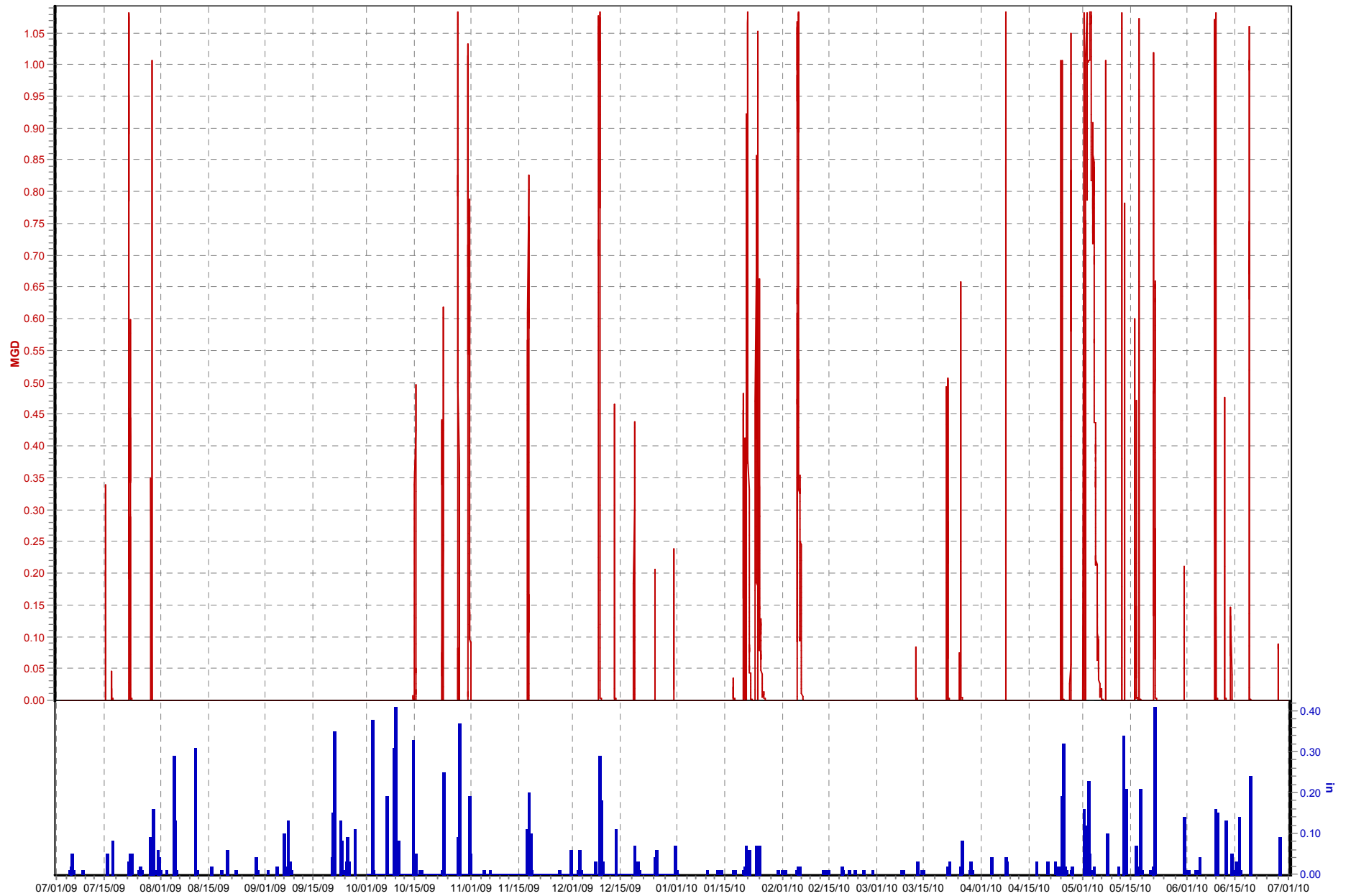
CSO088 (07/01/09 to 07/01/10)

TR05_Hist_Data.Rain (in) M1 Level (in) Level_Gaps (in) Velocity_Gaps (f/s) M1 Velocity (f/s)



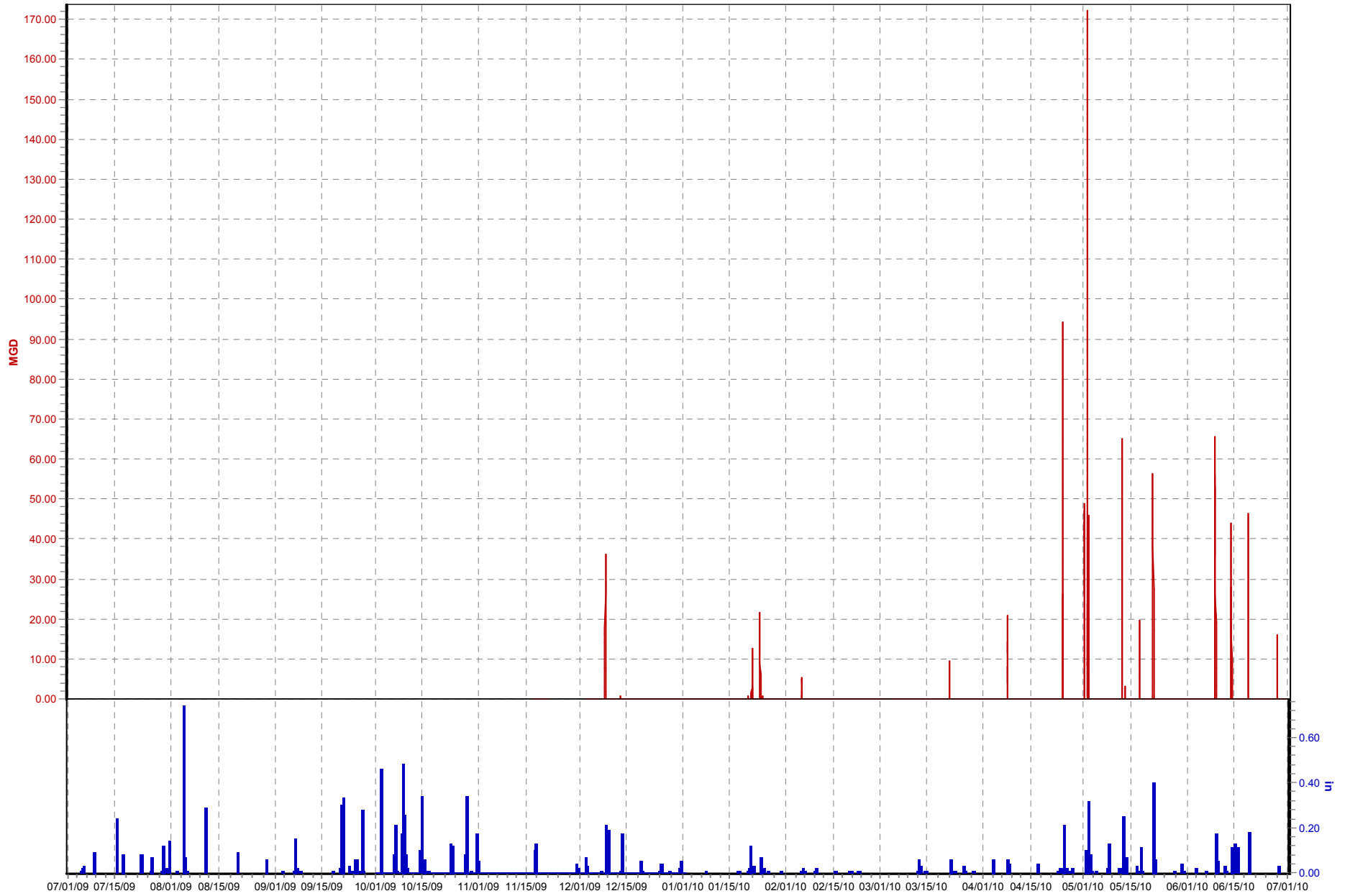
CSO097_Hist_Data (07/01/09 to 07/01/10)

Flow (MGD) TR12_Hist_Data.Rain (in)



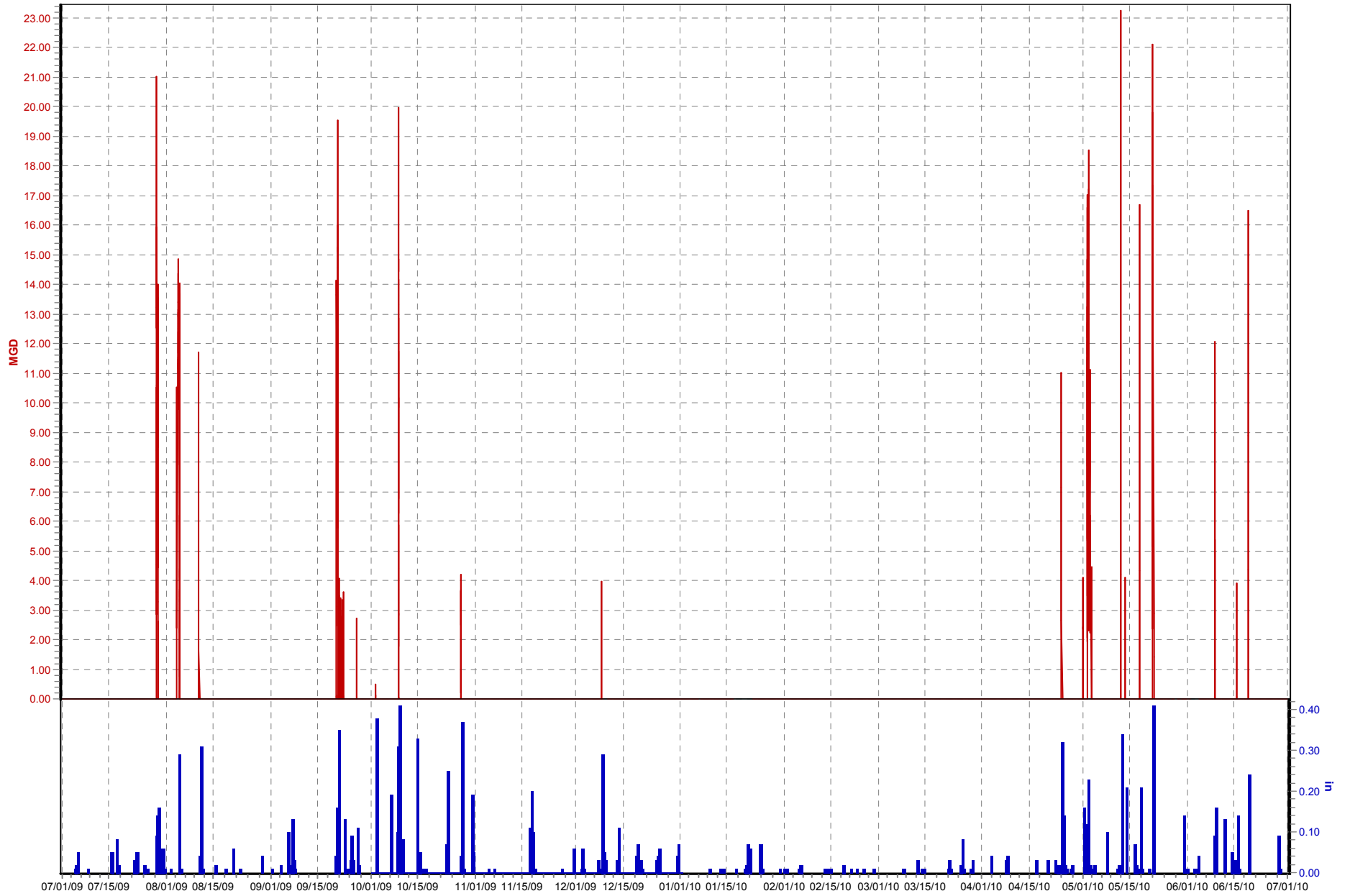
CSO105 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR04_Hist_Data.Rain (in)



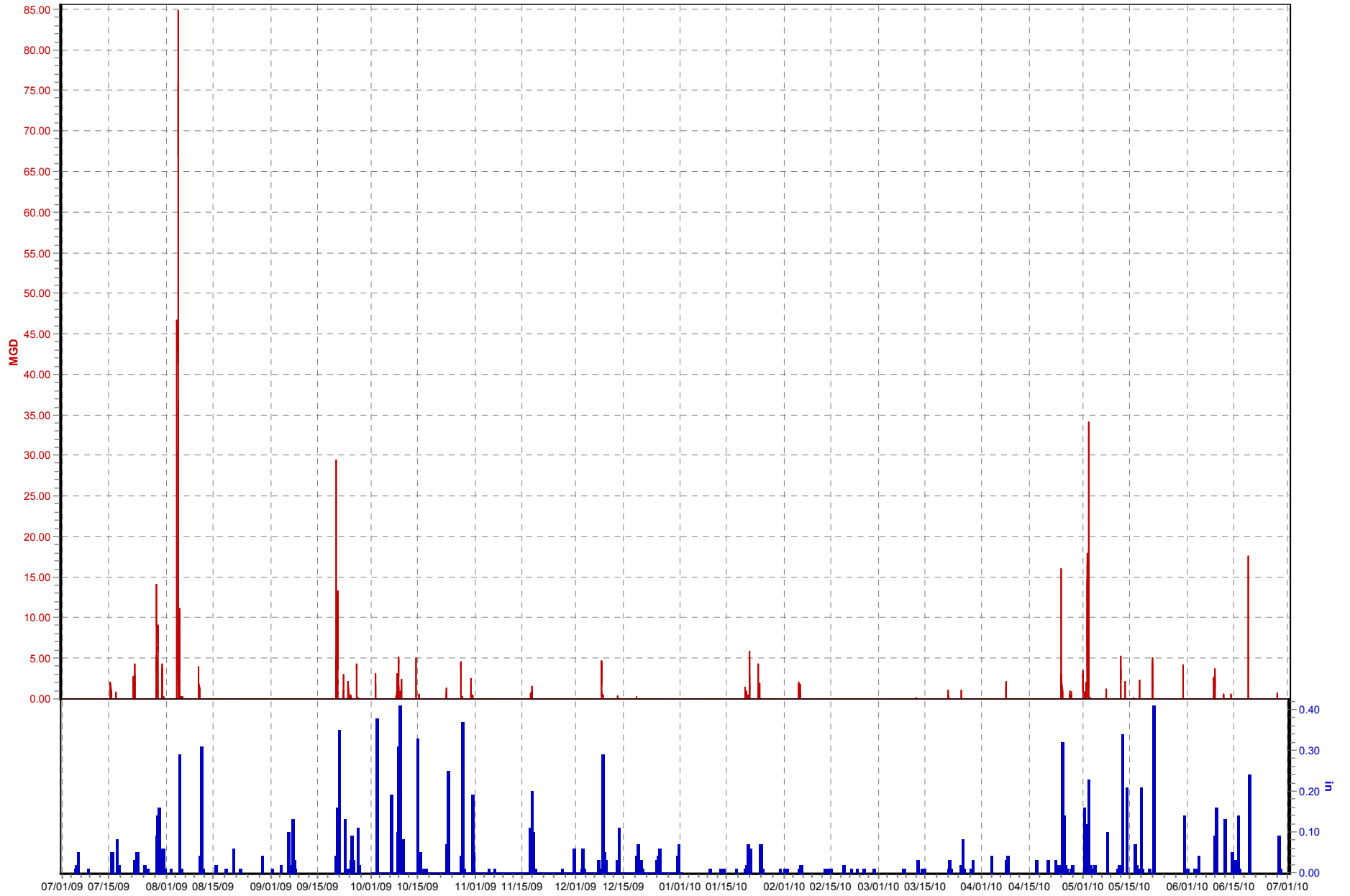
CSO108 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR12_Hist_Data.Rain (in)



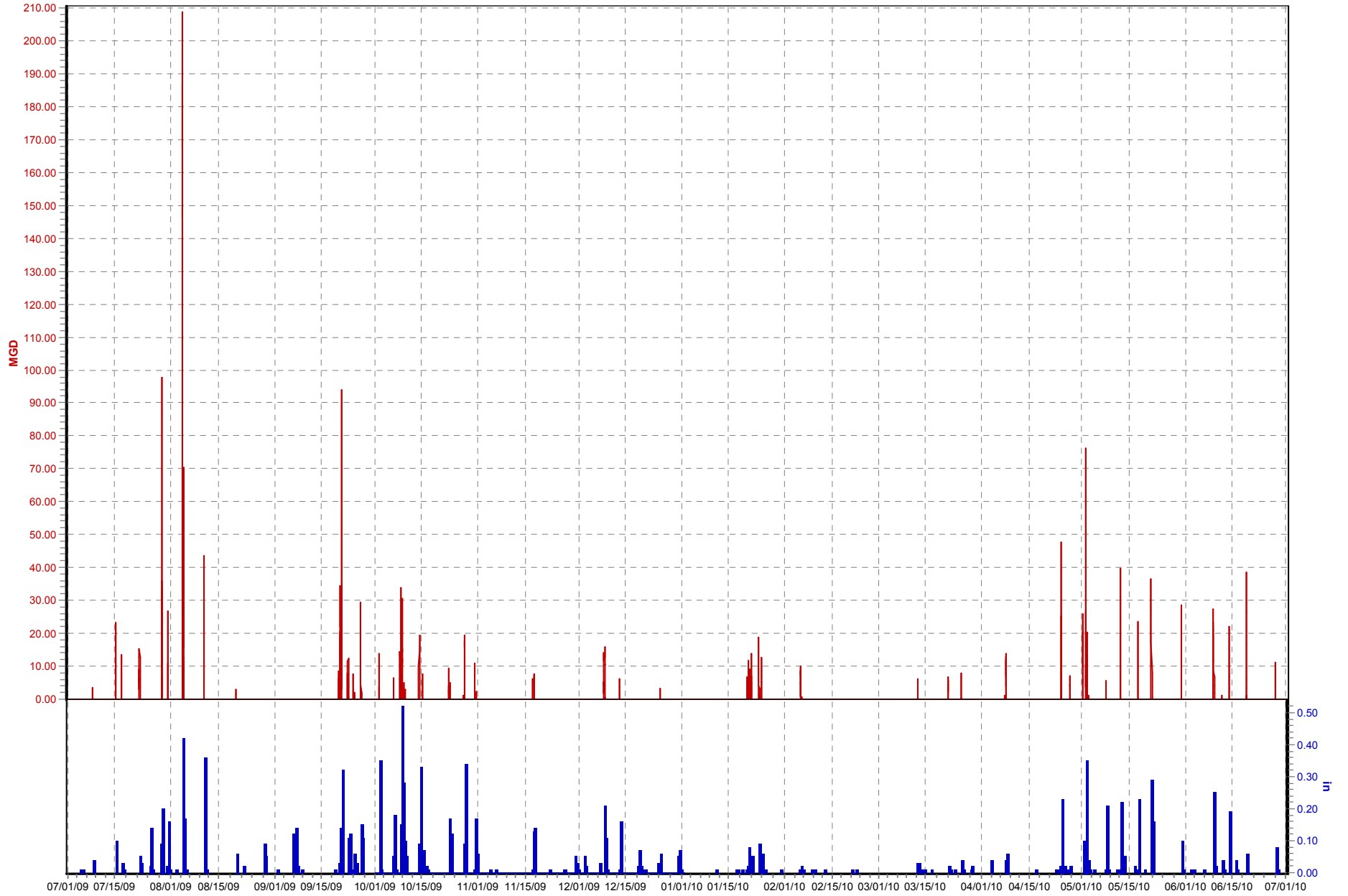
CSO110 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR12_Hist_Data.Rain (in)



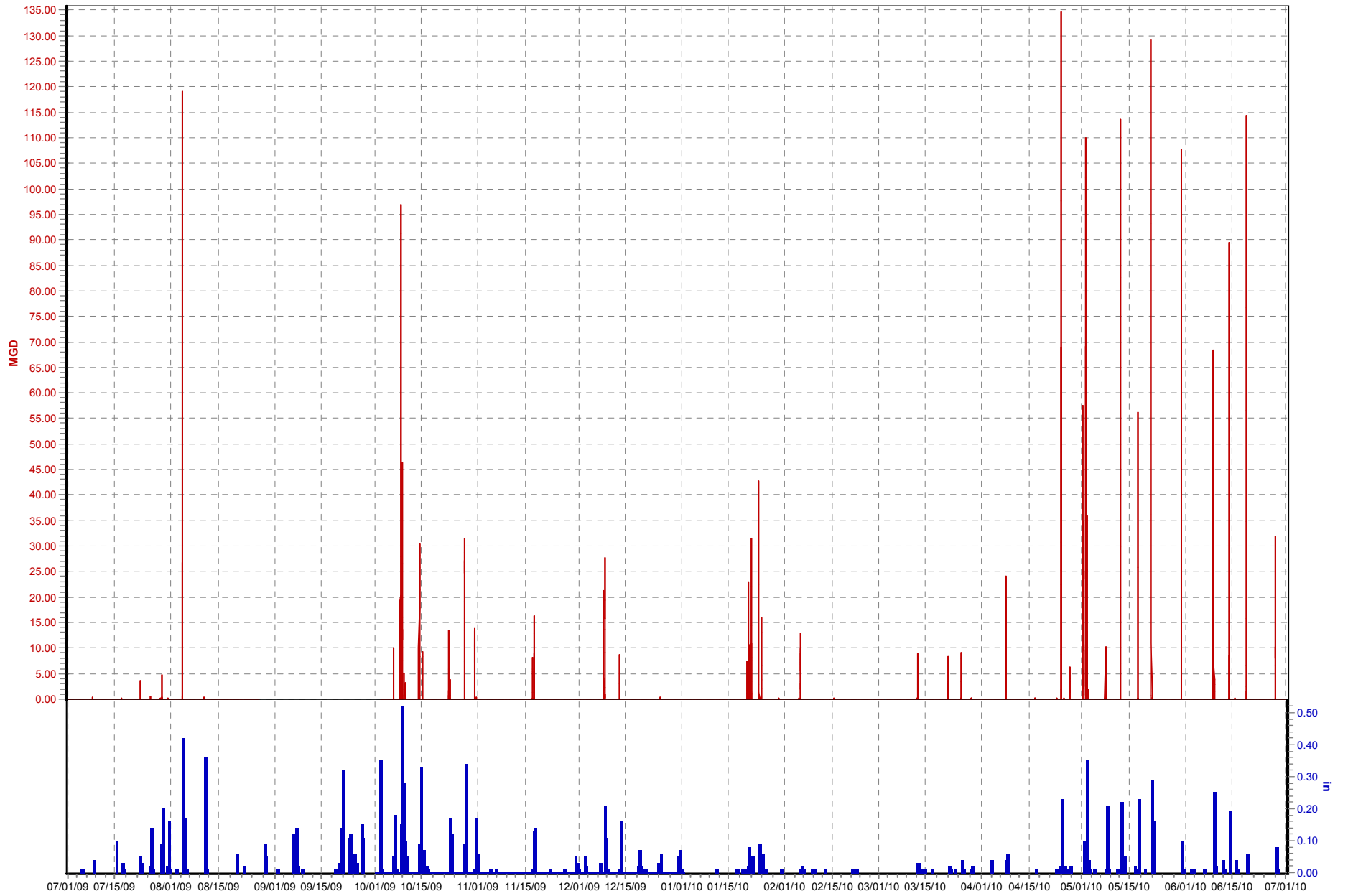
CSO117 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



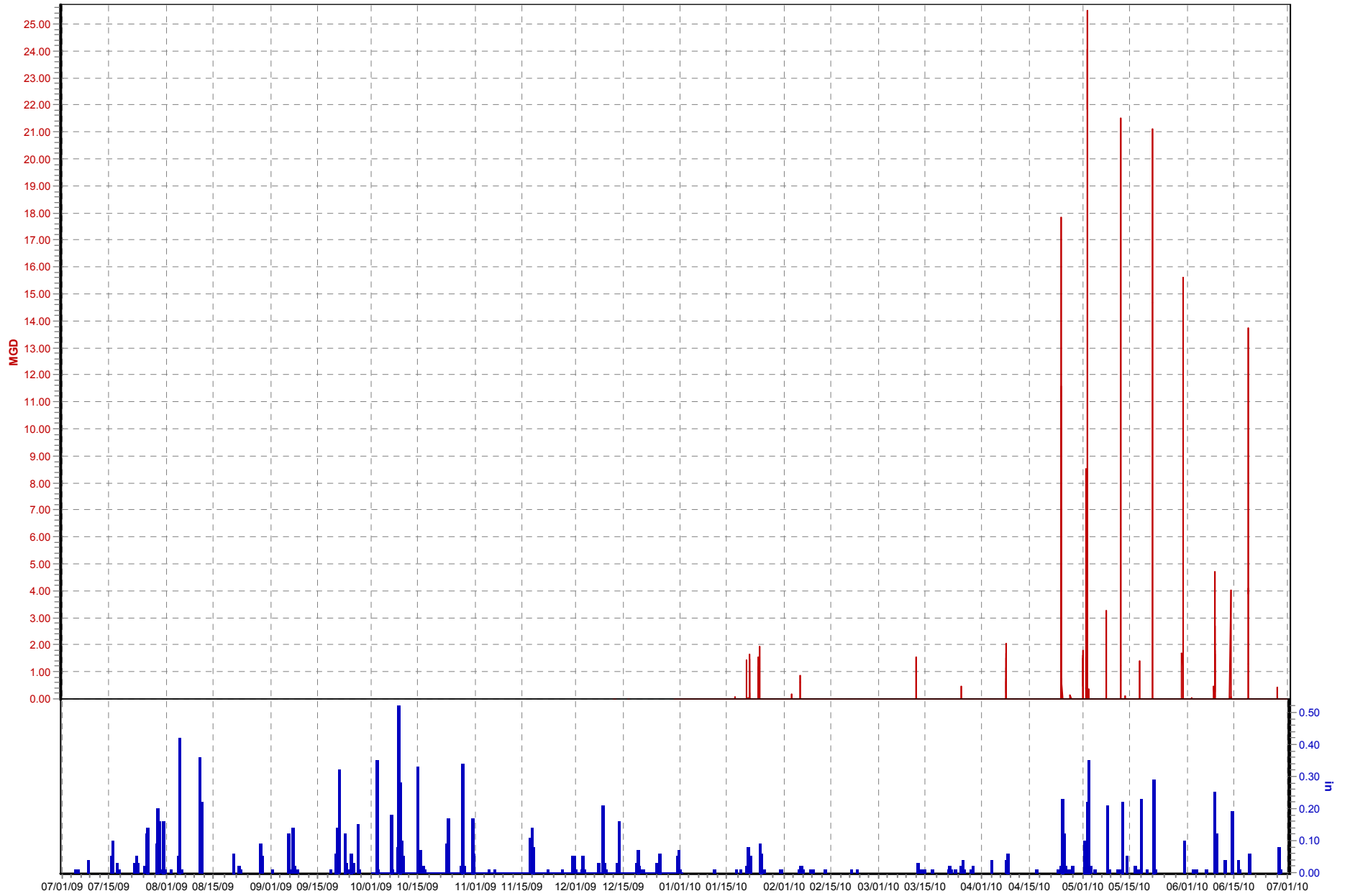
CSO118 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



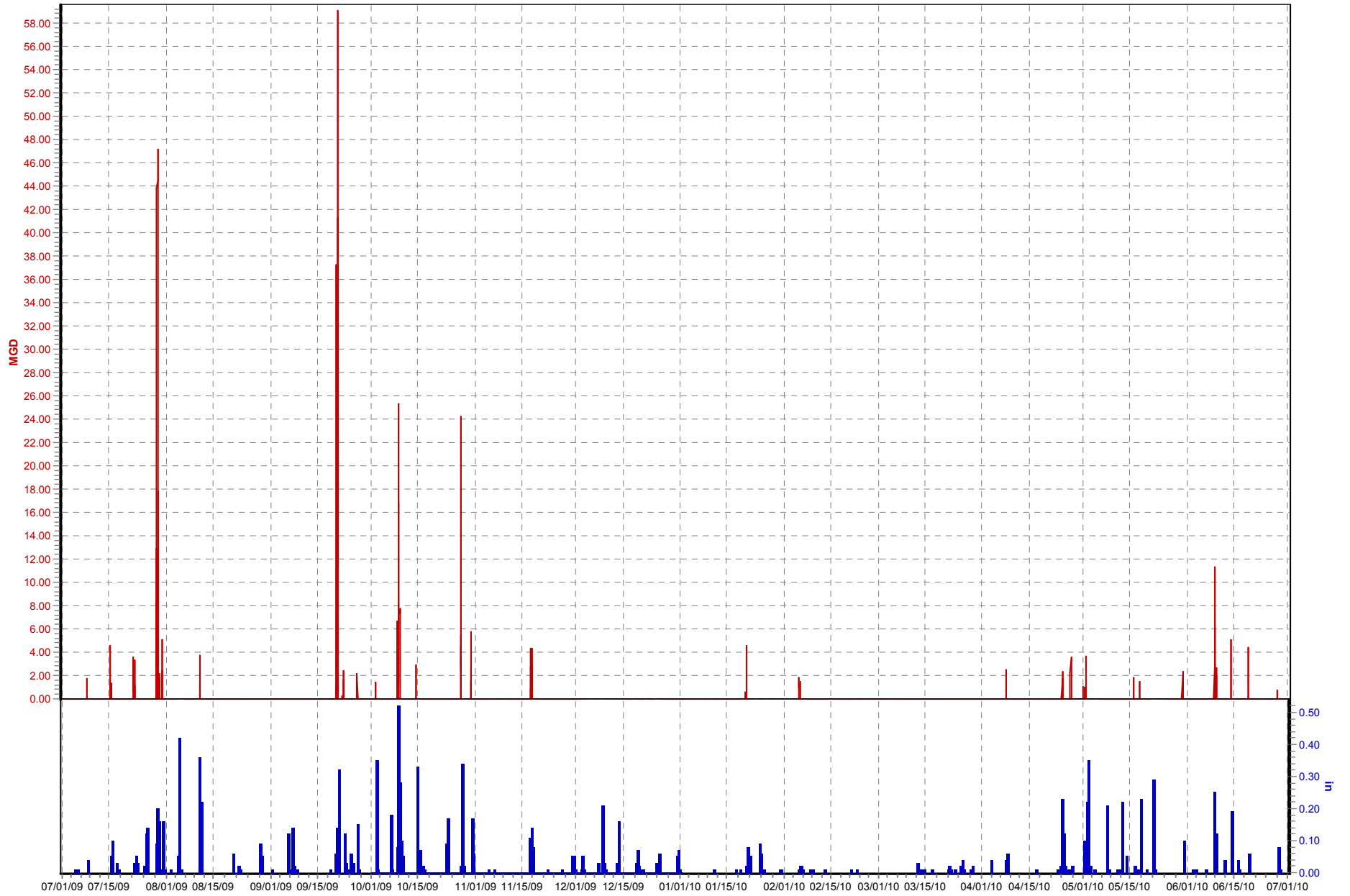
CSO121 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



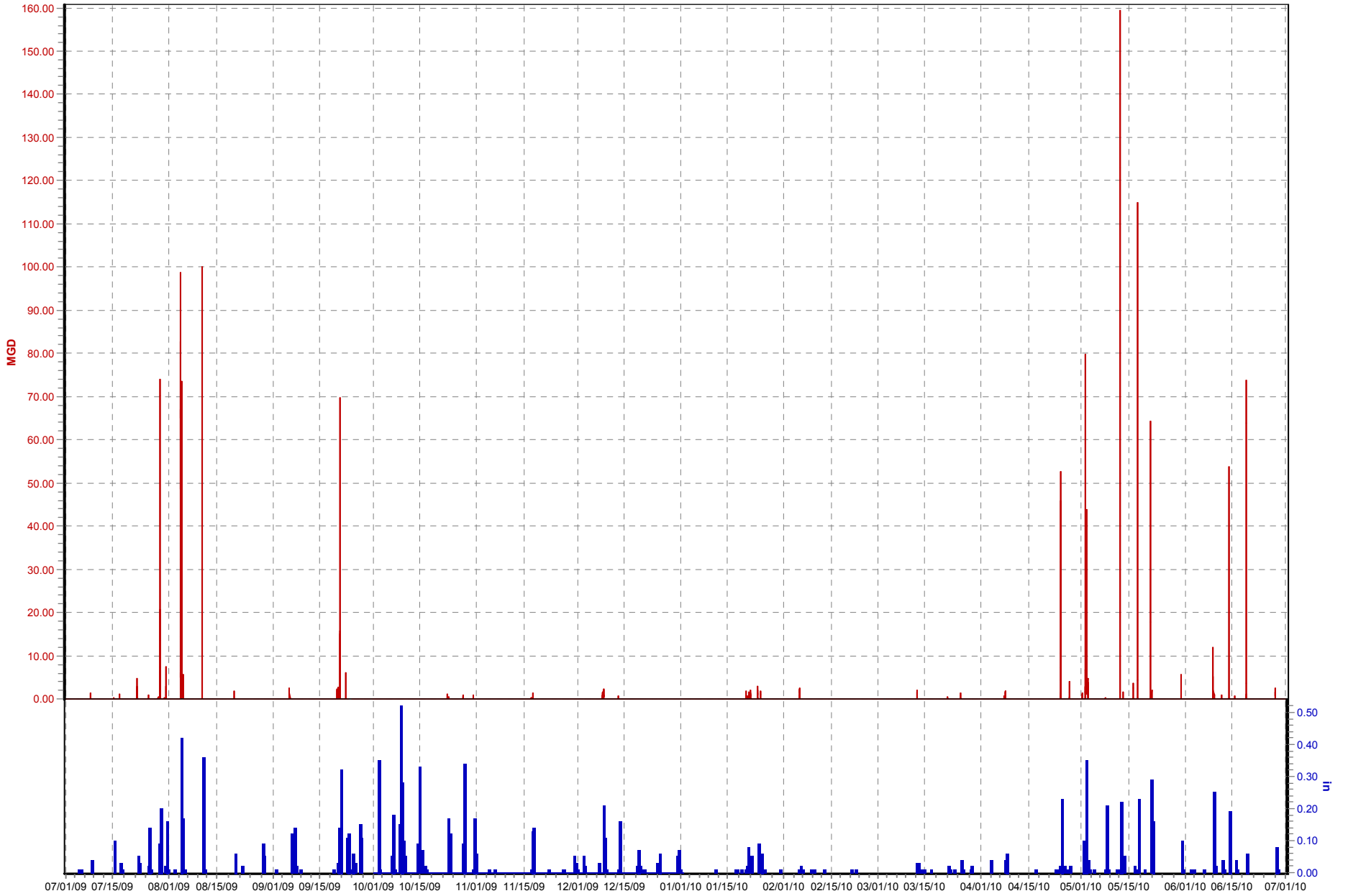
CSO125 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



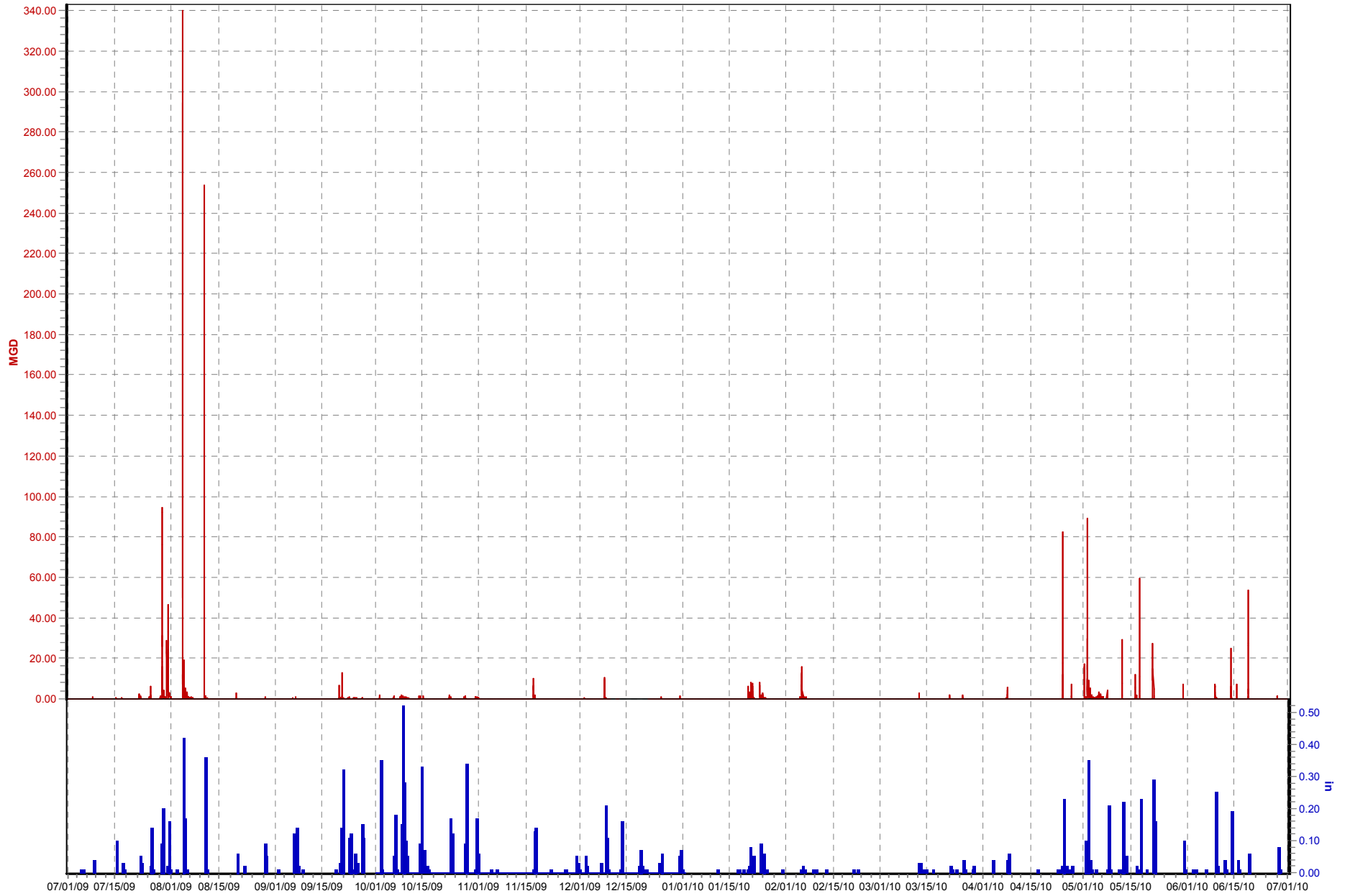
CSO127 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



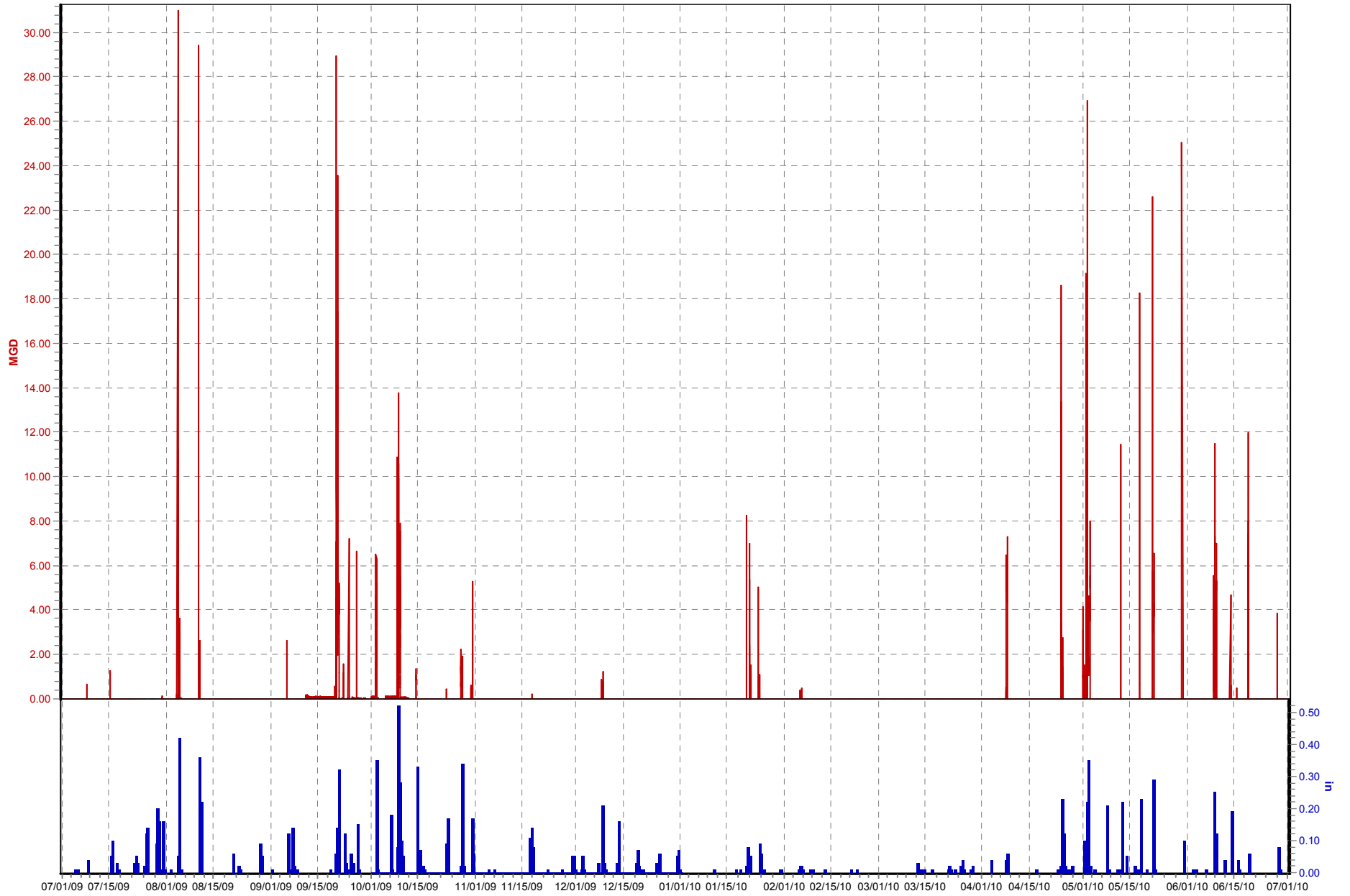
CSO132 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



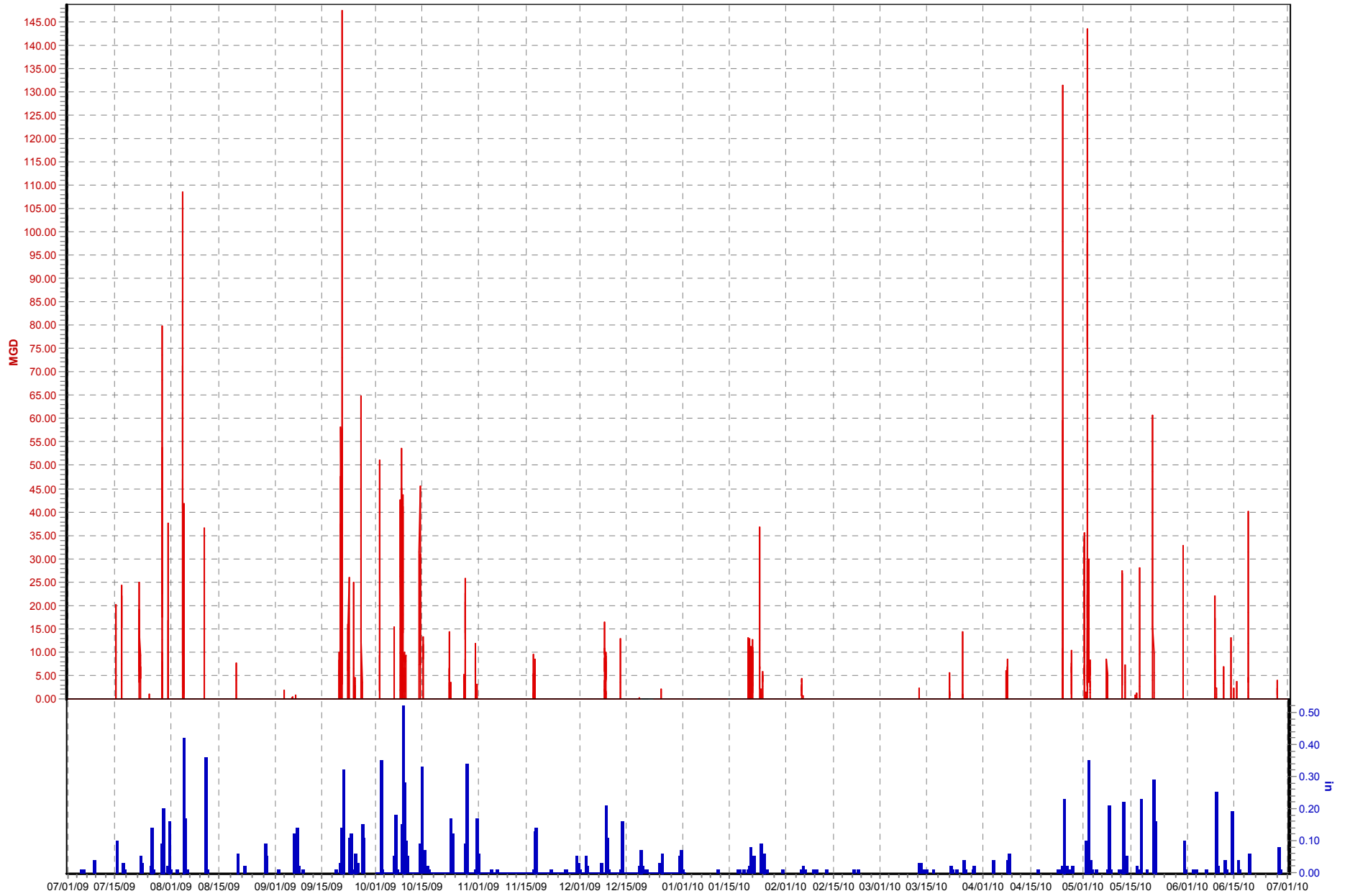
CSO140 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



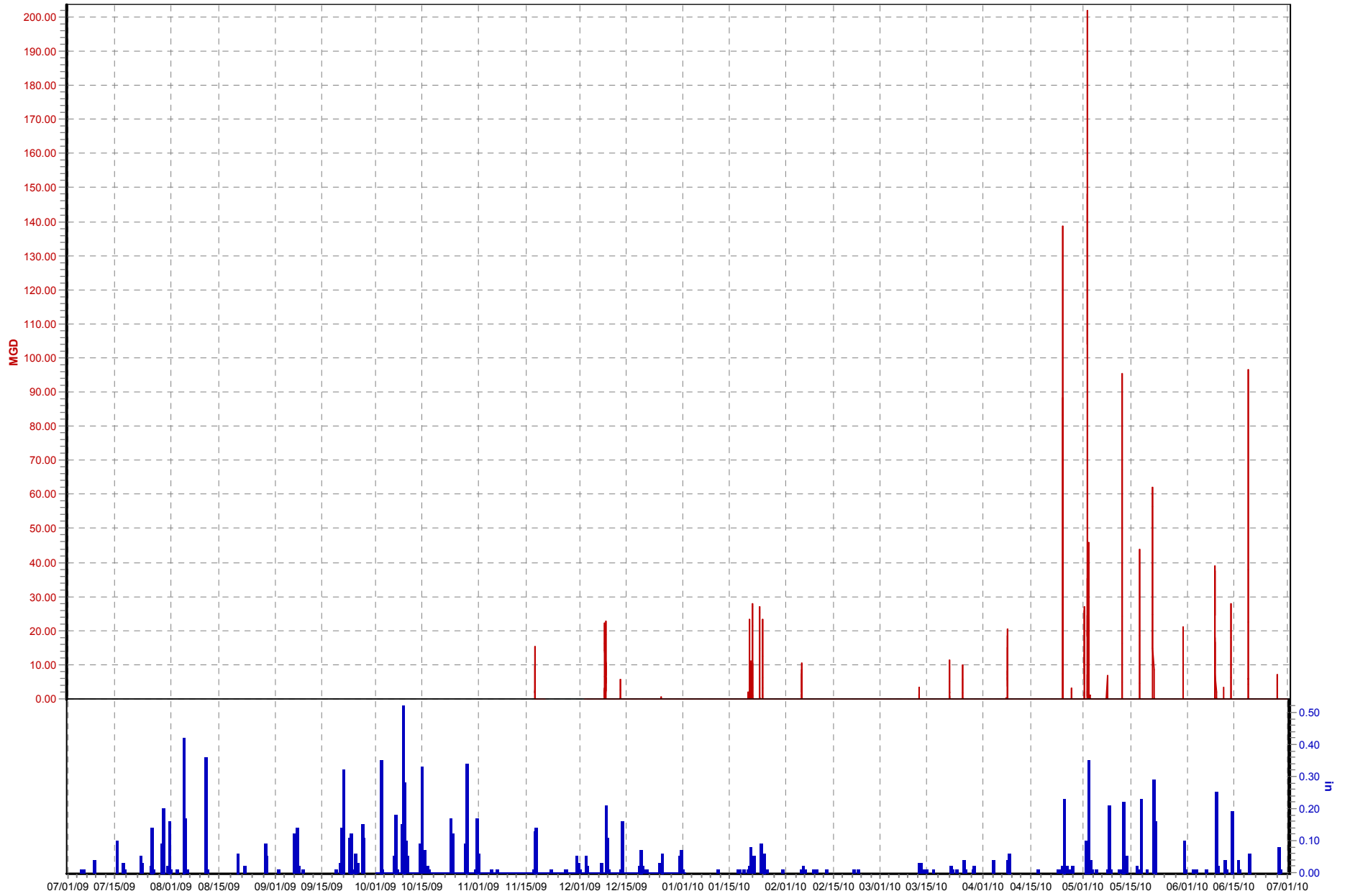
CSO146 (07/01/09 to 07/01/10)

Flow in MGD (MGD) TR05_Hist_Data.Rain (in)



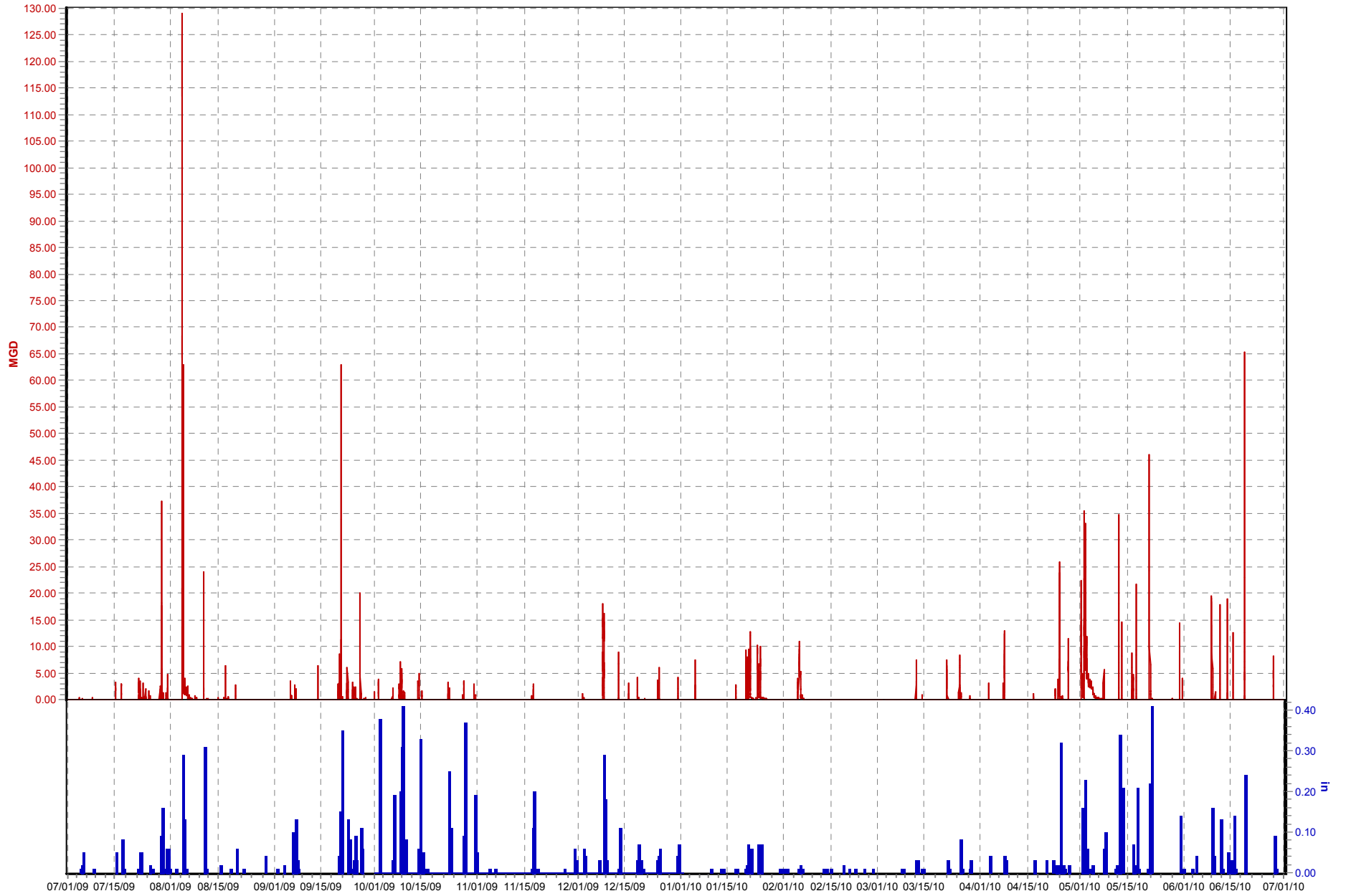
CSO149 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



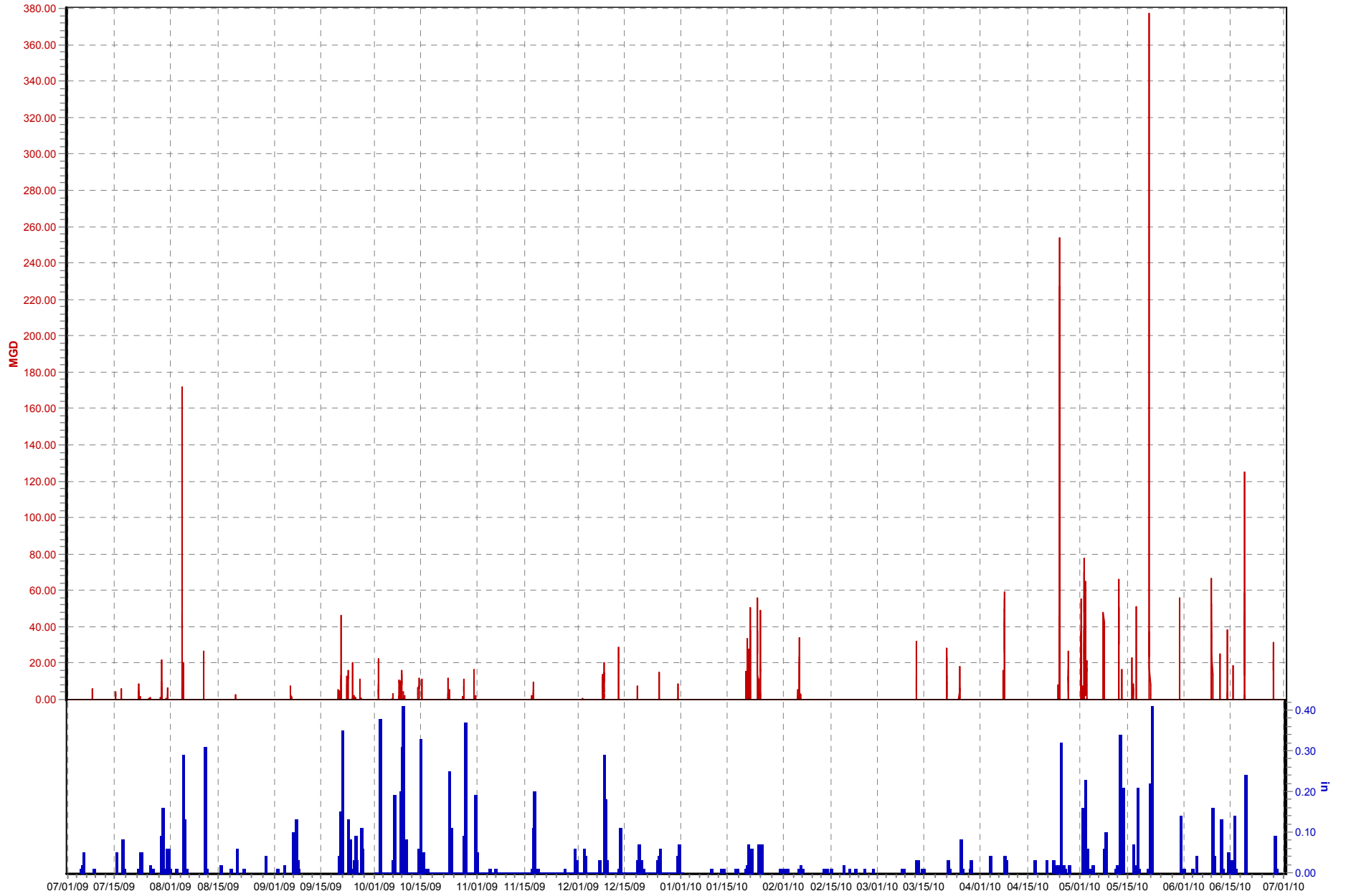
CSO151 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR12_Hist_Data.Rain (in)



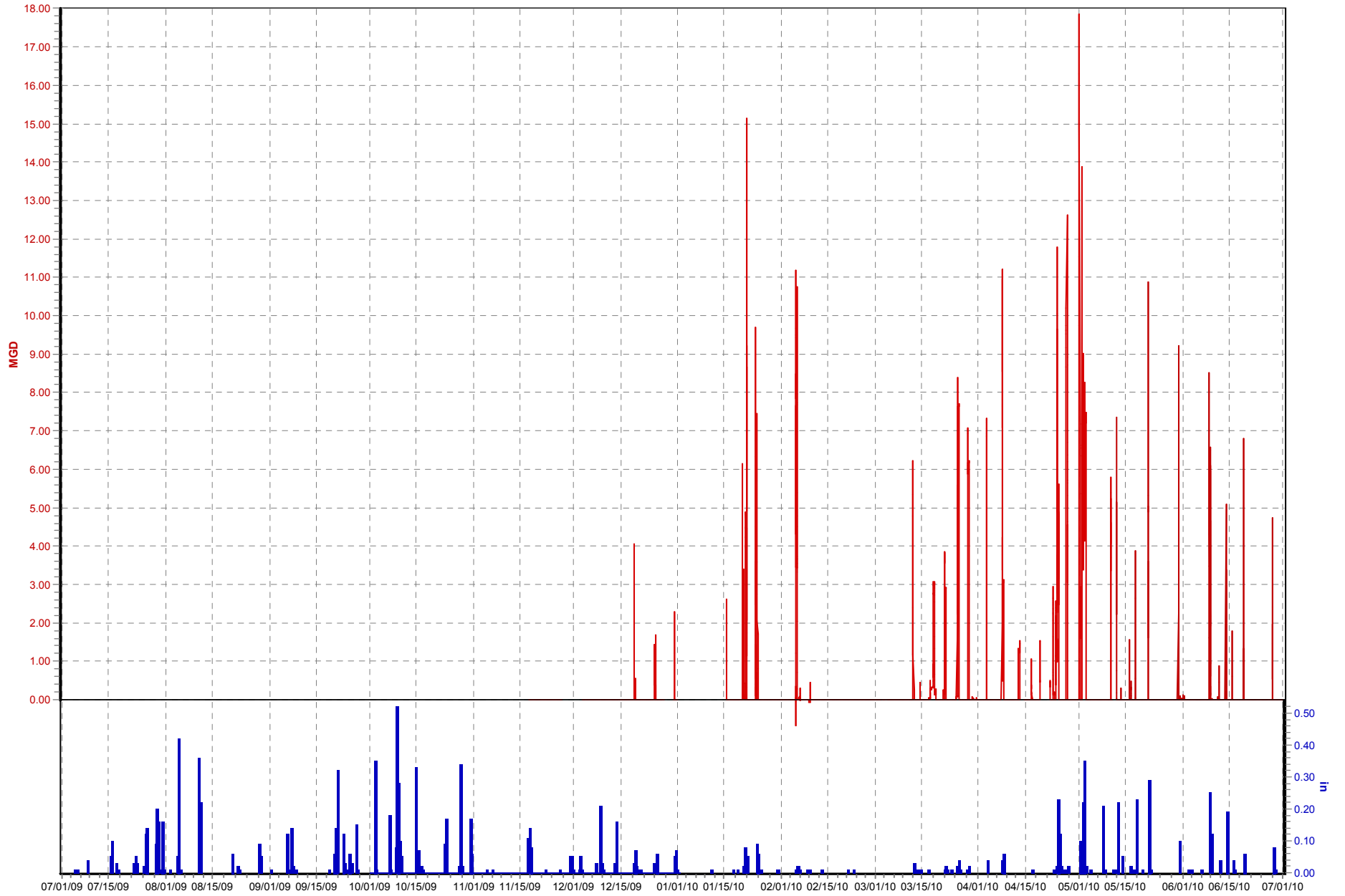
CSO152 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR12_Hist_Data.Rain (in)



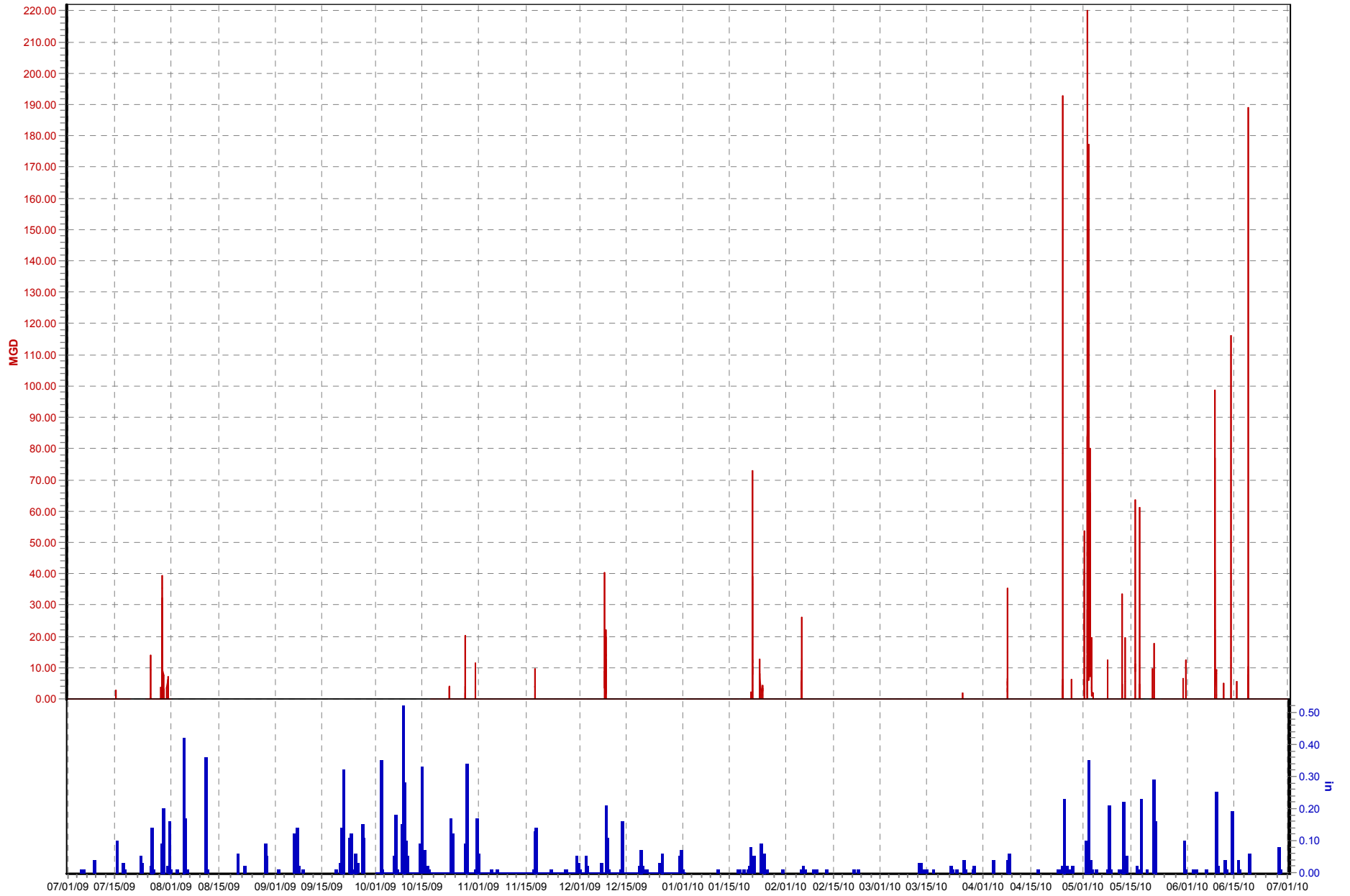
CSO153 (07/01/09 to 07/01/10)

Flow 1 (MGD) Flow_Historic (MGD) TR05_Hist_Data.Rain (in)



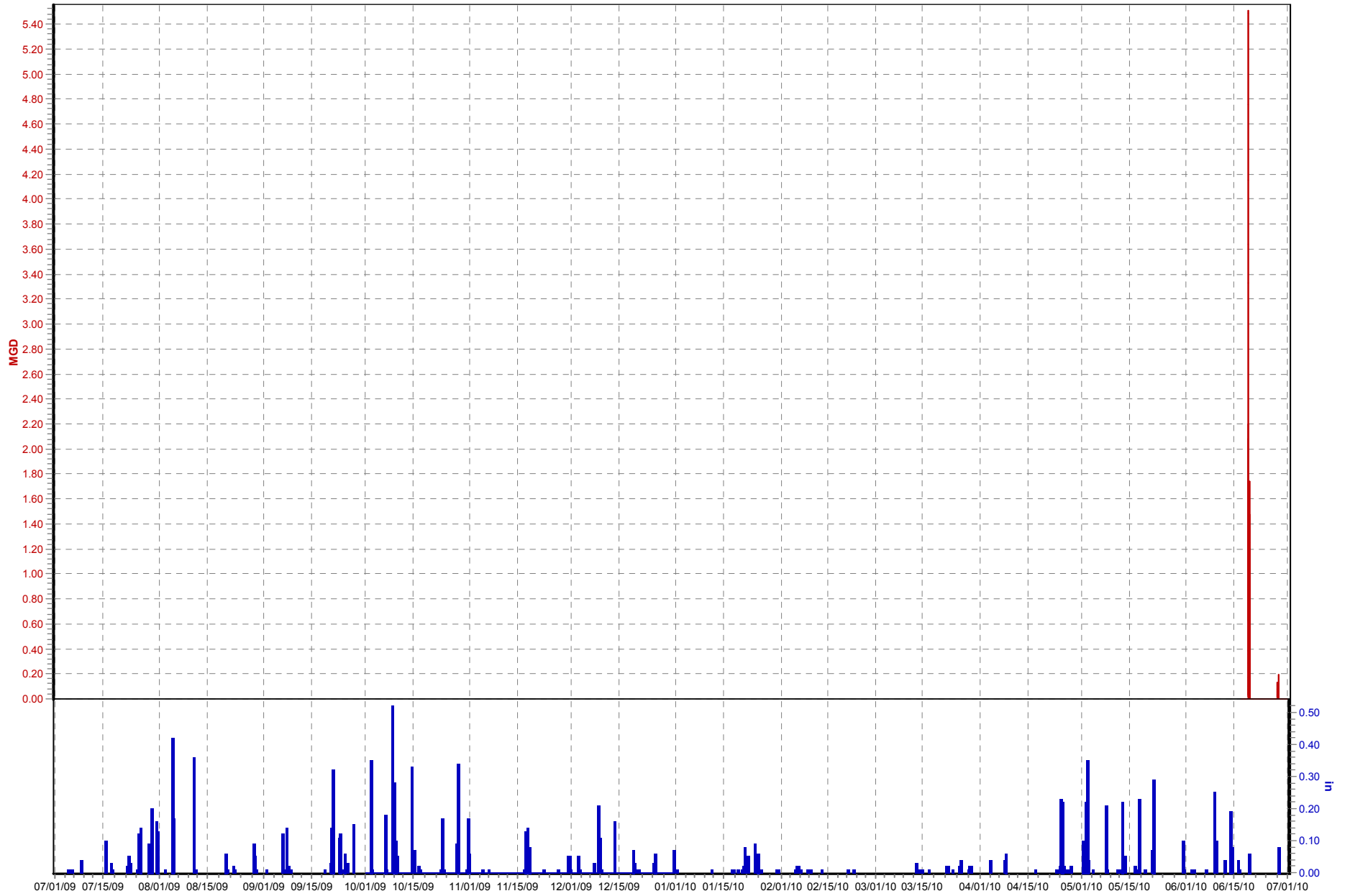
CSO166 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



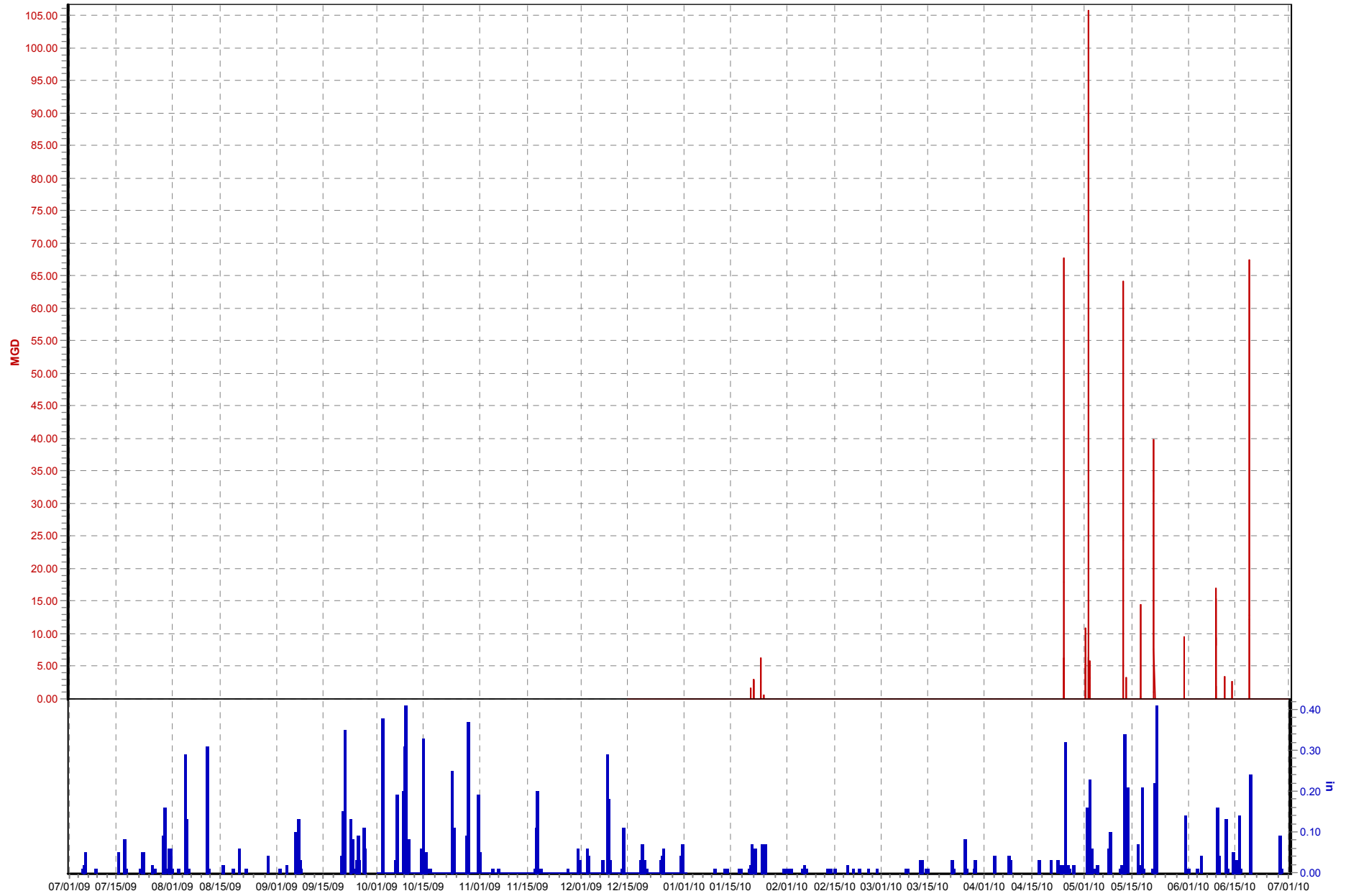
CSO172 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR05_Hist_Data.Rain (in)



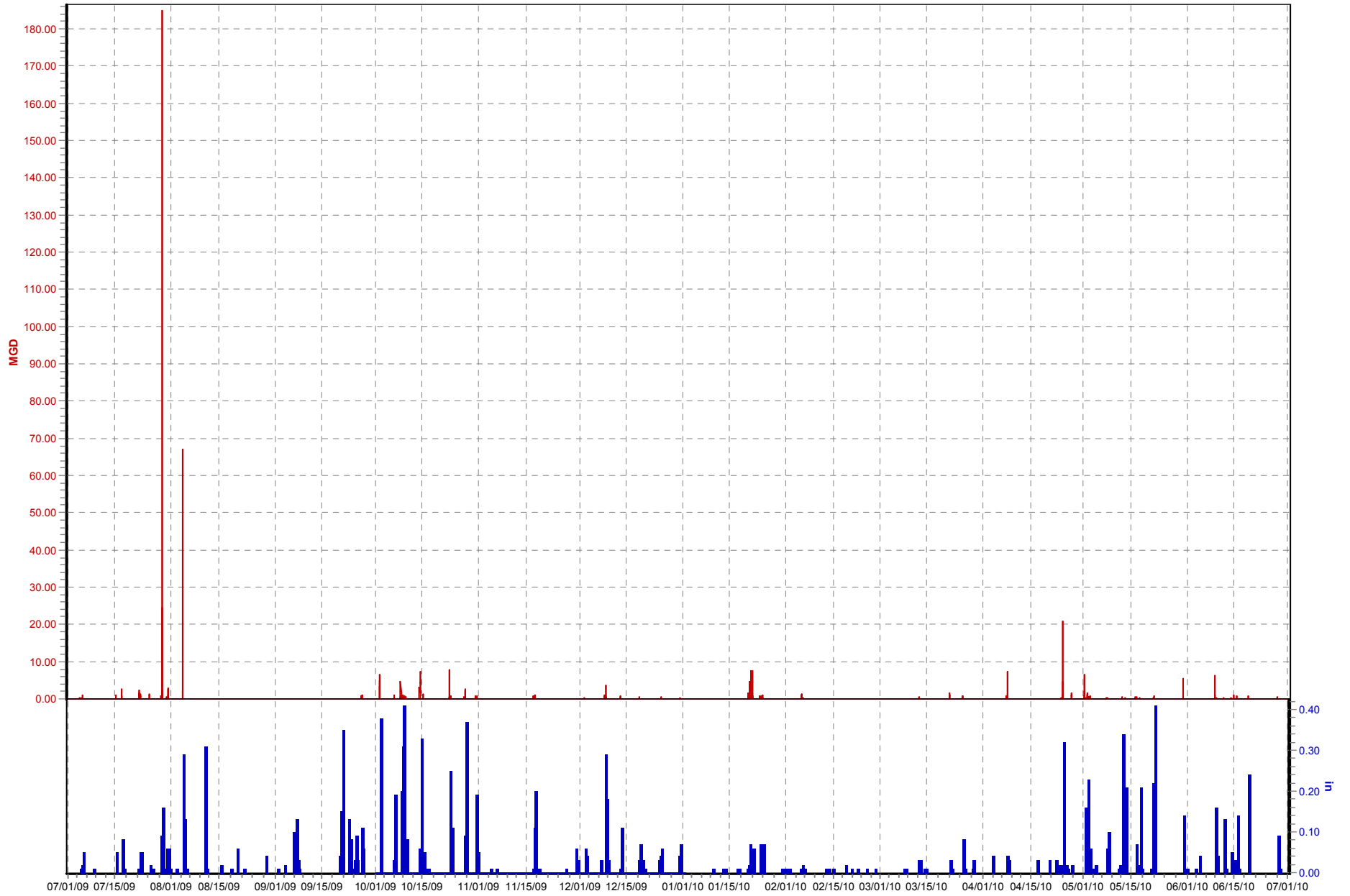
CSO174 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR12_Hist_Data.Rain (in)



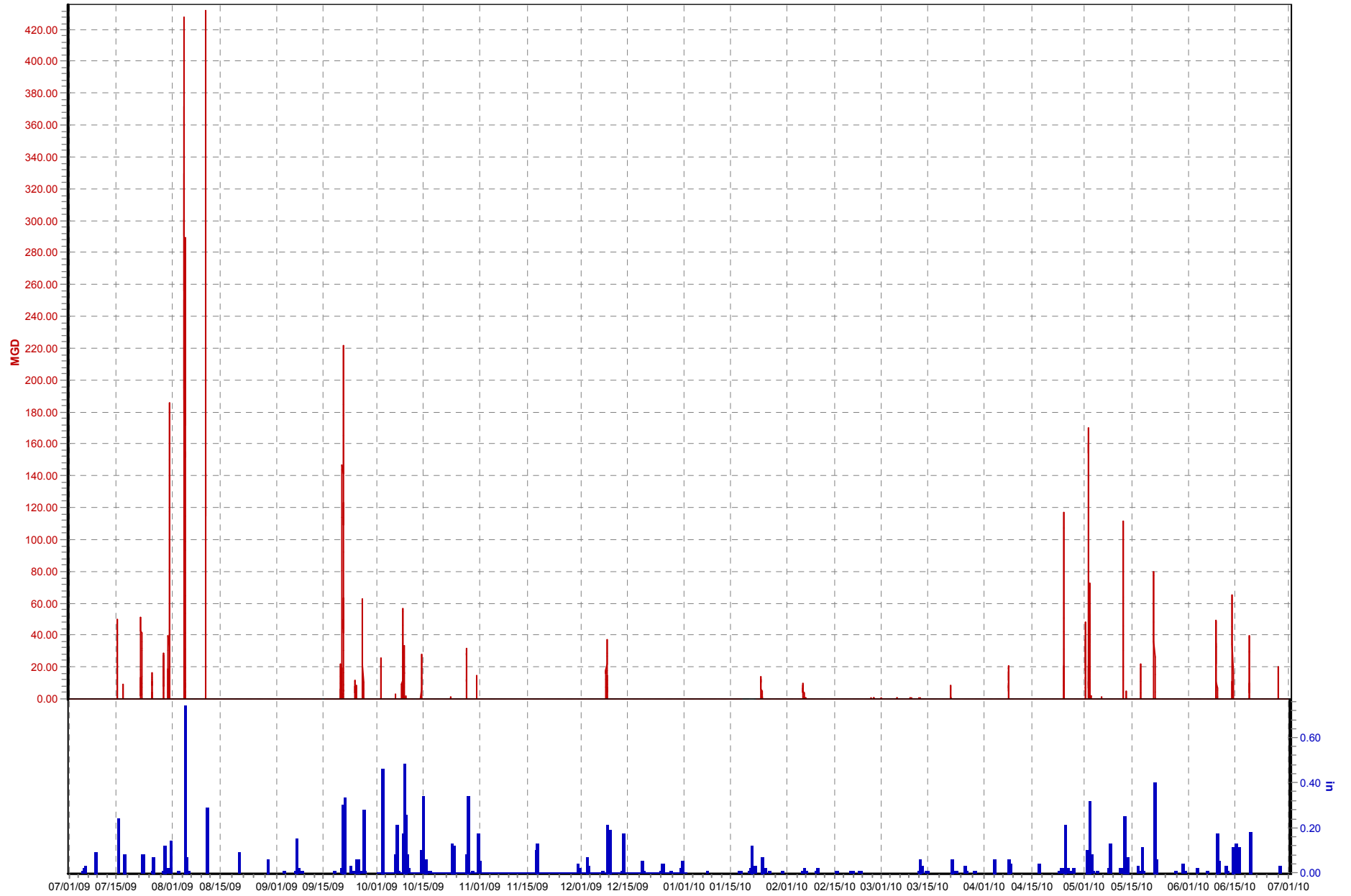
CSO182 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR12_Hist_Data.Rain (in)



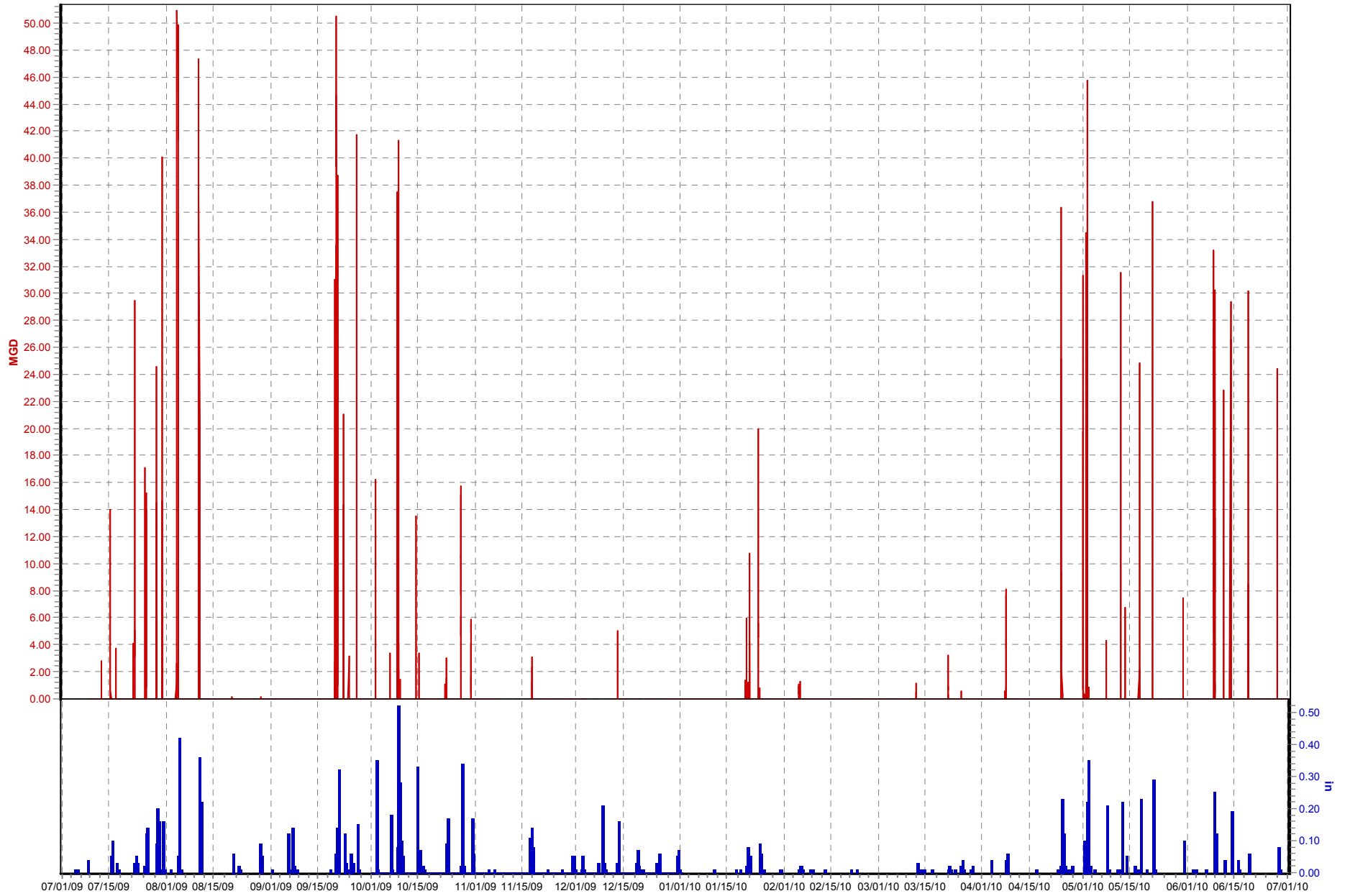
CSO189 (07/01/09 to 07/01/10)

Flow 1 (MGD) TR04_Hist_Data.Rain (in)



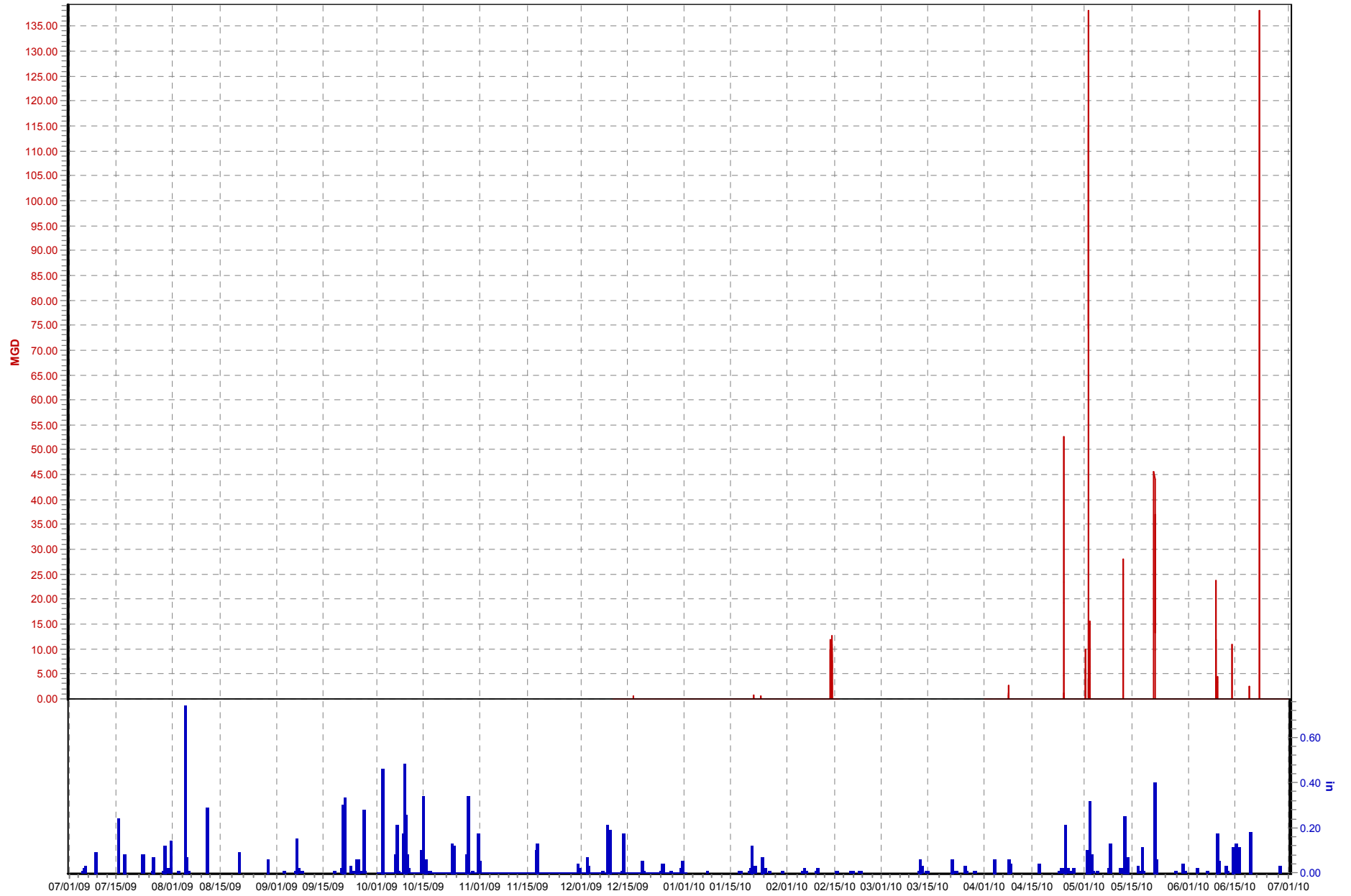
CSO190 (07/01/09 to 07/01/10)

Flow 1 (MGD) Flow_Historic (MGD) TR05_Hist_Data.Rain (in)



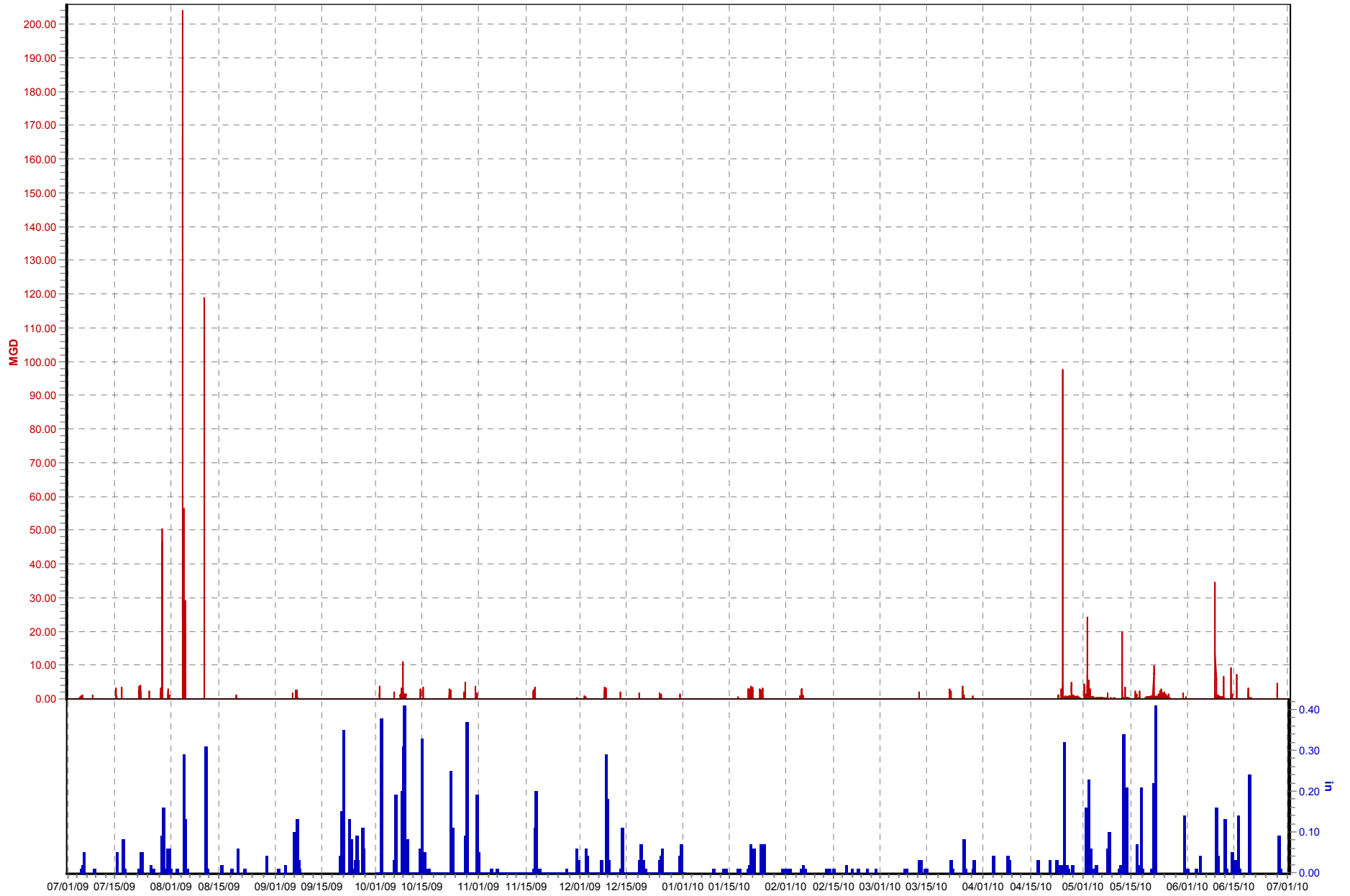
CSO191_Hist_Data (07/01/09 to 07/01/10)

Flow (MGD) TR04_Hist_Data.Rain (in)



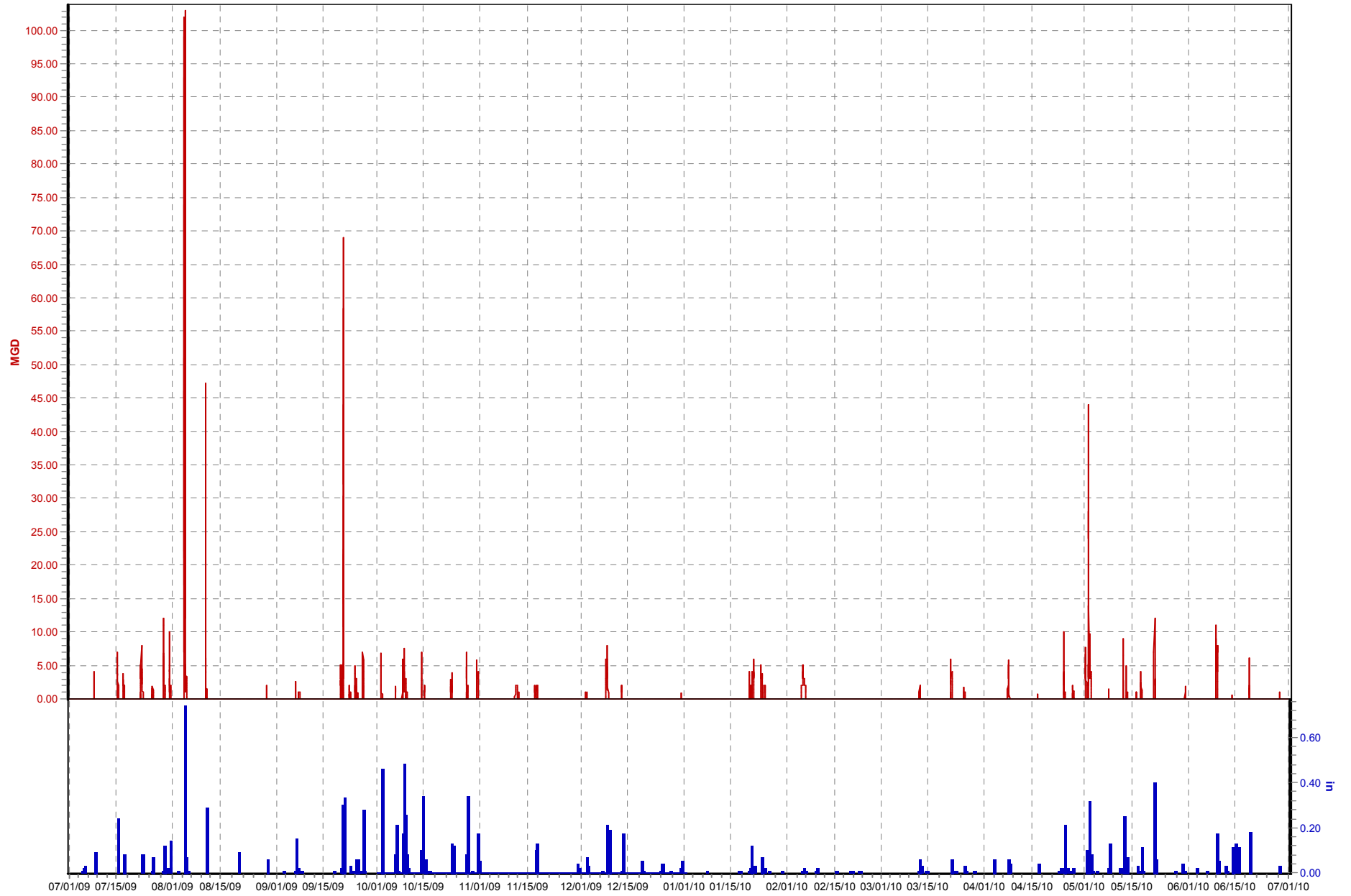
CSO206 (07/01/09 to 07/01/10)

Flow 1 (MGD) CSO206_Hist_Data.Flow (MGD) TR12_Hist_Data.Rain (in)



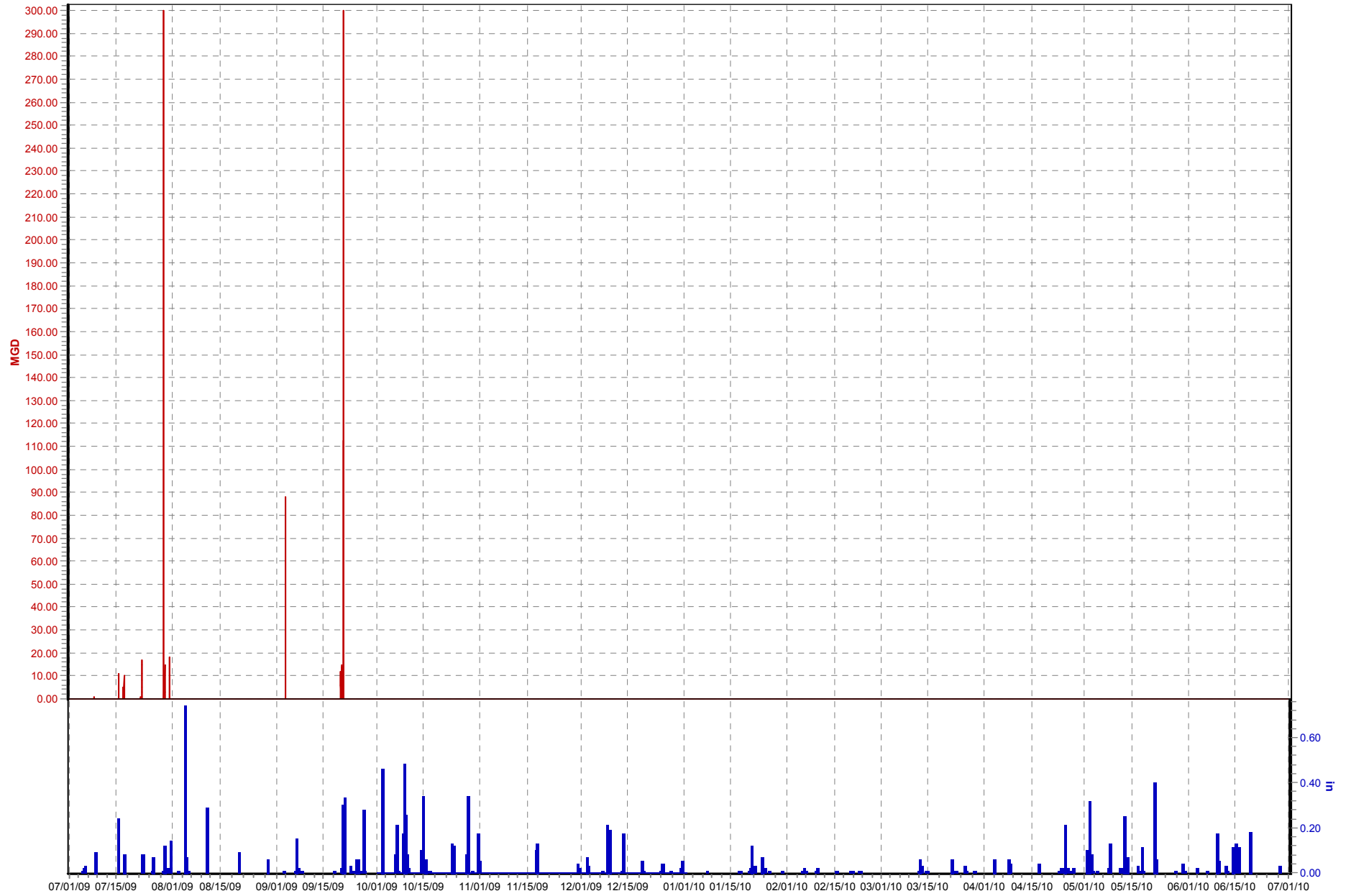
CSO210_Hist_Data (07/01/09 to 07/01/10)

Flow (MGD) TR04_Hist_Data.Rain (in)



CSO211_Hist_Data (07/01/09 to 07/01/10)

Flow (MGD) TR04_Hist_Data.Rain (in)



APPENDIX E – ACRONYMS

Appendix E - Acronyms for Project WIN Annual Report

AAM	Advanced Asset Management
AAOV	Average Annual Overflow Volume
ADAPS	Automated Data Processing System
BAP	Blockage Abatement Program
BGC	Beargrass Creek
BMP	Best Management Practices
BUD	Before "U" Dig
CCP	Composite Correction Plan
CCTV	Closed Caption Television
CD	Consent Decree
CDS	
CIPP	Cured in Place Pipe
CMF	Central Maintenance Facility
CMMS	Computerized Maintenance Management System
CMOM	Capacity Management Operations and Maintenance
CPE	Comprehensive Performance Evaluations
CSO	Combined Sewer Overflow
CSOFT	Software Name
CSS	Combined Sewer System
CSSA	Continuing Sewer System Assessment
DMR	Discharge Monitoring Report
DO	Dissolved Oxygen
DWO	Dry Weather Overflow
eB	Enterprise Bridge (Enterprise Informatics scanning software for document management)
EGIS	Emergency Geographic Information System
EMC	Event Mean Concentration
EPA	Environmental Protection Agency
ERP	Enforcement Response Plan
ERPI	Emergency Response Pretreatment Inspectors
FCN	Field Correction Notice
FEMA	Federal Emergency Management Agency
FM	Force Main
FMIS	Fleet Management Information System
FOG	Fats, Oil & Grease
FPS	Flood Pump Station
FSE	Food Service Establishment
FY	Fiscal Year
GCE	Grease Control Equipment
GIS	Geographic Information System
GLPM	Gravity Line Preventive Maintenance
GPD	Gallons per Day
HMI	Human Machine Interface
HR	Human Resources
I&FP	Infrastructure & Flood Protection (MSD Division)
ICA	Interceptor Condition Assessment
ID	Identification
I&I	Inflow and Infiltration
IMS	Information Management System

Appendix E - Acronyms for Project WIN Annual Report

IOAP	Integrated Overflow Abatement Plan
ISSDP	Interim Sanitary Sewer Discharge Plan
ID	Identification
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
LF	Linear Feet
LID	Low Impact Development
LIMS	Laboratory Information Management System
LMDPHW	Louisville Metro Department of Public Health and Wellness
LMPD	Louisville Metro Police Department
LTC	Long Term Control
LTCP	Long Term Control Plan
LOJIC	Louisville and Jefferson County Information Consortium
MDS	Main Diversion Structure
MEB	Main Equipment Building
MG	Million Gallons
MGD	Million Gallons Per Day
MH	Manhole
MO	Metro Operations
MOA	Memorandum of Agreement
MOR	Monthly Operating Report
MOU	Memorandum of Understanding
MSD	Metropolitan Sewer District (Louisville and Jefferson County)
NACWA	National Association of Clean Water Agencies
NDD	Non-Domestic Dischargers
NMC	Nine Minimum Controls
NOV	Notice of Violation
NPR	National Public Radio
MC	Mission Critical
ORD	Office of Research and Development
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
PRIDE	Personal Responsibility in a Desirable Environment
PS	Pump Station
PSC	Property Service Connection
QA/QC	Quality Assurance/Quality Control
RDII	Rainfall-Derived Infiltration and Inflow
RS	Regulatory Services
RTC	Real Time Control

Appendix E - Acronyms for Project WIN Annual Report

S&F	Solids and Floatables
SAP	Software Name
SCADA	Supervisory Control And Data Acquisition
SCAP	System Capacity Assurance Plan
SEP	Supplemental Environmental Projects
SIU	Significant Industrial User
SNC	Significant not compliance
SOP	Standard Operating Procedure
SORP	Sewer Overflow Response Protocol
SSDP	Sanitary Sewer Discharge Plan
SSES	Sanitary Sewer Evaluation Study
SSO	Sanitary Sewer Overflow
SSOP	Sanitary Sewer Overflow Plan
SWO	Stop Work Order
SWOR2	Southwestern Outfall Relief - Phase 2
SWPS	Southwestern Pump Station
TISCIT	Totally Integrated Sonar and CCTV Inspection Technique
TM	Technical Memorandum
TMDL	Total Maximum Daily Load
TV	Television
UDR	Unusual Discharge Request
UIM	Utility Information Management
UK	University of Kentucky
USACE	U.S. 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



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

Period	
From :	7/1/09
To :	6/30/10

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								
2009-060	7/15/09 10:55	7/15/09 23:10	12:15	0.469	0.720	TR04	10.95	3.65	1.10	0.00	0.00	0.00	15.70	No
2009-061	7/17/09 3:05	7/17/09 14:05	11:00	0.401	0.650	TR04	12.55	3.90	0.90	0.00	0.00	0.00	17.35	No
2009-062	7/22/09 2:10	7/23/09 9:40	31:30	1.571	1.960	TR04	13.70	4.20	3.30	0.00	0.00	0.00	21.20	No
2009-063	7/25/09 5:35	7/26/09 7:30	25:55	0.441	0.750	TR05	0.00	5.55	0.15	0.00	0.00	0.00	5.70	No
2009-064	7/28/09 13:30	8/1/09 1:25	83:55	3.154	4.160	TR05	26.80	8.25	10.95	0.00	0.00	0.00	46.00	No
2009-066	8/4/09 8:10	8/6/09 20:55	60:45	4.691	6.970	TR04	29.70	0.00	3.55	0.00	0.00	0.00	33.25	No
2009-070	8/20/09 7:45	8/20/09 18:10	10:25	0.314	0.580	TR11	4.95	0.20	0.20	0.00	0.00	0.00	5.35	No
2009-078	9/20/09 5:35	9/22/09 18:25	60:50	2.733	3.590	TR05	13.15	0.00	5.20	0.00	0.00	1.55	19.90	No
2009-079	9/22/09 18:25	9/24/09 5:35	35:10	0.631	1.010	TR14	14.65	0.00	1.05	0.00	0.00	0.00	15.70	No
2009-080	9/24/09 5:35	9/26/09 9:45	52:10	0.733	0.980	TR04	15.40	1.35	0.80	0.00	0.00	0.00	17.55	No
2009-081	9/26/09 20:40	9/28/09 8:45	36:05	0.923	2.150	TR15	13.35	0.00	1.60	0.00	0.00	0.95	15.90	No
2009-082	10/2/09 3:45	10/3/09 0:05	20:20	1.043	1.360	TR15	14.25	0.00	2.10	0.00	0.00	0.00	16.35	No
2009-083	10/6/09 10:45	10/6/09 20:05	9:20	0.220	0.260	TR04	3.30	0.00	0.10	0.00	0.00	0.00	3.40	No
2009-084	10/8/09 13:20	10/11/09 4:45	63:25	2.379	2.880	TR14	14.45	2.95	3.90	0.00	0.00	0.95	22.25	No
2009-085	10/14/09 5:50	10/15/09 4:30	22:40	0.747	0.810	TR14	12.00	1.75	1.70	0.00	0.00	0.00	15.45	No
2009-086	10/15/09 4:30	10/15/09 19:40	15:10	0.069	0.080	TR04	8.10	0.00	0.50	0.00	0.00	0.00	8.60	No
2009-087	10/23/09 1:00	10/23/09 23:50	22:50	0.666	0.960	TR15	15.50	3.00	0.00	0.00	0.00	0.00	18.50	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								
2009-088	10/27/09 13:50	10/29/09 1:55	36:05	1.164	1.280	TR14	15.25	0.00	1.65	0.00	0.00	0.55	17.45	No
2009-089	10/30/09 19:30	11/1/09 9:15	37:45	1.100	1.260	TR15	14.70	0.00	1.15	0.00	0.00	0.00	15.85	No
2009-090	11/17/09 11:50	11/18/09 9:15	21:25	0.521	0.760	TR14	18.25	0.00	0.45	0.00	0.00	0.00	18.70	No
2009-093	12/8/09 12:15	12/10/09 2:30	38:15	1.410	1.720	TR04	12.55	10.25	0.45	0.00	0.00	0.60	23.85	No
2009-094	12/13/09 4:35	12/13/09 15:10	10:35	0.250	0.310	TR14	3.80	1.95	0.10	0.00	0.00	0.00	5.85	No
2009-095	12/18/09 18:35	12/20/09 6:35	36:00	0.537	0.710	TR14	1.05	2.90	0.10	0.00	0.00	0.00	4.05	No
2009-096	12/24/09 20:30	12/25/09 18:40	22:10	0.277	0.390	TR11	2.85	2.00	0.15	0.00	0.00	0.00	5.00	No
2010-004	1/20/10 7:25	1/24/10 3:10	91:45	1.539	1.800	TR14	52.55	21.75	1.30	0.00	0.00	0.85	76.45	No
2010-005	1/24/10 3:10	1/27/10 0:00	68:50	0.911	1.050	TR05	14.70	12.25	1.10	0.00	0.00	1.00	29.05	No
2010-008	2/5/10 0:50	2/9/10 3:30	98:40	1.224	1.350	TR14	17.50	2.90	1.00	0.00	0.00	0.00	21.40	No
2010-009	2/9/10 3:30	2/11/10 16:25	60:55	0.059	0.370	TR04	0.00	4.90	0.20	0.00	0.00	0.00	5.10	Yes
2010-011	2/12/10 12:50	2/18/10 11:40	142:50	0.089	0.220	TR14	0.00	0.00	0.00	0.00	0.00	2.25	2.25	No
2010-013	3/12/10 12:30	3/12/10 22:15	9:45	0.337	0.590	TR15	5.20	3.10	0.15	2.25	2.50	0.00	13.20	Yes
2010-015	3/21/10 17:55	3/22/10 13:25	19:30	0.521	0.730	TR04	11.25	5.60	0.65	3.95	4.20	0.00	25.65	No
2010-016	3/25/10 14:00	3/26/10 9:40	19:40	0.391	0.500	TR05	5.35	4.75	0.35	1.30	1.55	0.00	13.30	No
2010-017	3/28/10 10:45	3/29/10 5:50	19:05	0.181	0.290	TR15	0.00	1.25	0.10	0.00	0.60	0.00	1.95	No
2010-019	4/7/10 23:20	4/9/10 3:40	28:20	1.104	1.330	TR04	13.70	6.05	1.85	3.70	3.35	0.00	28.65	No
2010-020	4/16/10 18:40	4/17/10 4:20	9:40	0.279	0.660	TR14	2.45	2.00	0.10	0.00	0.00	0.00	4.55	No
2010-021	4/23/10 5:20	4/23/10 17:15	11:55	0.214	0.250	TR12	0.00	0.95	0.00	0.30	1.00	0.00	2.25	No
2010-022	4/24/10 3:15	4/26/10 5:40	50:25	1.966	2.660	TR11	12.50	15.15	6.35	3.75	3.40	1.30	42.45	No
2010-024	4/27/10 7:10	4/28/10 1:20	18:10	0.374	0.530	TR15	10.00	5.15	0.30	2.90	1.90	0.00	20.25	No
2010-025	5/1/10 4:50	5/4/10 4:45	71:55	4.676	5.890	TR14	1.55	4.30	0.80	3.75	3.50	0.00	13.90	No
2010-026	5/4/10 4:45	5/7/10 8:50	76:05	0.024	0.050	TR15	17.65	5.20	0.00	0.00	0.00	0.00	22.85	No
2010-027	5/7/10 23:05	5/8/10 14:55	15:50	0.300	0.400	TR15	7.20	7.00	0.25	1.15	1.55	0.00	17.15	Yes
2010-028	5/11/10 5:40	5/11/10 16:10	10:30	0.044	0.060	TR12	4.70	0.00	0.00	0.00	0.00	0.00	4.70	Yes
2010-029	5/12/10 6:50	5/13/10 7:15	24:25	0.700	0.920	TR12	15.05	5.25	3.30	0.00	0.75	0.45	24.80	No
2010-030	5/13/10 12:55	5/14/10 3:15	14:20	0.150	0.370	TR12	10.75	2.35	1.95	0.75	1.35	0.00	17.15	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								
2010-031	5/16/10 9:25	5/17/10 15:50	30:25	0.686	1.030	TR15	9.65	13.05	0.60	1.20	2.45	0.00	26.95	No
2010-032	5/17/10 17:55	5/19/10 2:50	32:55	0.289	0.490	TR05	10.10	7.75	0.05	3.70	2.15	0.45	24.20	No
2010-034	5/21/10 18:40	5/23/10 7:15	36:35	1.113	1.630	TR15	11.85	13.75	2.15	0.00	0.00	0.05	27.80	No
2010-035	5/27/10 17:40	5/28/10 3:45	10:05	0.043	0.260	TR11	1.90	0.80	0.00	0.00	0.00	0.00	2.70	No
2010-036	5/28/10 19:15	5/29/10 8:50	13:35	0.151	0.530	TR14	11.05	4.30	0.25	0.00	0.00	0.00	15.60	No
2010-038	5/30/10 16:30	5/31/10 7:05	14:35	0.197	0.780	TR05	0.00	5.35	0.10	0.50	1.80	0.00	7.75	No
2010-041	6/4/10 11:35	6/4/10 20:25	8:50	0.000	0.000		5.90	0.00	0.00	0.00	0.00	0.00	5.90	No
2010-042	6/9/10 3:35	6/10/10 14:45	35:10	2.156	3.040	TR14	13.50	8.70	6.70	0.00	0.00	0.10	29.00	No
2010-043	6/11/10 22:20	6/12/10 10:55	12:35	0.271	0.500	TR13	4.40	5.05	0.60	0.30	1.75	0.00	12.10	No
2010-044	6/13/10 23:10	6/15/10 6:25	31:15	0.504	1.020	TR04	0.75	7.90	0.45	4.35	5.25	0.00	18.70	No
2010-045	6/15/10 20:30	6/16/10 5:35	9:05	0.267	0.640	TR11	5.30	2.95	0.45	0.00	0.55	0.00	9.25	No
2010-046	6/19/10 5:00	6/20/10 3:30	22:30	0.907	1.300	TR05	12.55	7.15	3.85	0.00	0.00	0.50	24.05	No
2010-047	6/28/10 2:00	6/28/10 11:10	9:10	0.406	0.590	TR14	5.45	3.05	0.30	3.75	3.95	0.00	16.50	No
Total							585.75	241.60	76.40	37.60	43.55	11.55	996.45	

*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 MONITORING DATA

Hunting Creek South Wastewater Treatment Plant KY0029114 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
7/2/2009	EPA 200.7	Total Phosphorous via ICP	0.416	mg/l	MSD
7/8/2009	EPA 200.7	Total Phosphorous via ICP	0.162	mg/l	MSD
7/15/2009	EPA 200.7	Total Phosphorous via ICP	0.505	mg/l	MSD
7/22/2009	EPA 200.7	Total Phosphorous via ICP	0.348	mg/l	MSD
7/29/2009	EPA 200.7	Total Phosphorous via ICP	0.595	mg/l	MSD
Monthly Average			0.41	mg/l	
8/5/2009	EPA 200.7	Total Phosphorous via ICP	0.267	mg/l	MSD
8/12/2009	EPA 200.7	Total Phosphorous via ICP	0.247	mg/l	MSD
8/19/2009	EPA 200.7	Total Phosphorous via ICP	0.588	mg/l	MSD
8/26/2009	EPA 200.7	Total Phosphorous via ICP	0.354	mg/l	MSD
Monthly Average			0.36	mg/l	
9/1/2009	EPA 200.7	Total Phosphorous via ICP	0.424	mg/l	MSD
9/8/2009	EPA 200.7	Total Phosphorous via ICP	0.372	mg/l	MSD
9/15/2009	EPA 200.7	Total Phosphorous via ICP	0.538	mg/l	MSD
9/22/2009	EPA 200.7	Total Phosphorous via ICP	0.619	mg/l	MSD
9/30/2009	EPA 200.7	Total Phosphorous via ICP	0.156	mg/l	MSD
Monthly Average			0.42	mg/l	

Hunting Creek South Wastewater Treatment Plant KY0029114 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
10/5/2009	EPA 200.7	Total Phosphorous via ICP	0.416	mg/l	MSD
10/12/2009	EPA 200.7	Total Phosphorous via ICP	0.368	mg/l	MSD
10/19/2009	EPA 200.7	Total Phosphorous via ICP	0.525	mg/l	MSD
10/26/2009	EPA 200.7	Total Phosphorous via ICP	0.351	mg/l	MSD
Monthly Average			0.42	mg/l	
11/3/2009	EPA 200.7	Total Phosphorous via ICP	0.375	mg/l	MSD
11/10/2009	EPA 200.7	Total Phosphorous via ICP	0.668	mg/l	MSD
11/17/2009	EPA 200.7	Total Phosphorous via ICP	0.384	mg/l	MSD
11/24/2009	EPA 200.7	Total Phosphorous via ICP	0.27	mg/l	MSD
Monthly Average			0.42	mg/l	
12/2/2009	EPA 200.7	Total Phosphorous via ICP	0.453	mg/l	MSD
12/9/2009	EPA 200.7	Total Phosphorous via ICP	0.399	mg/l	MSD
12/16/2009	EPA 200.7	Total Phosphorous via ICP	0.34	mg/l	MSD
12/22/2009	EPA 200.7	Total Phosphorous via ICP	0.466	mg/l	MSD
12/29/2009	EPA 200.7	Total Phosphorous via ICP	0.37	mg/l	MSD
Monthly Average			0.41	mg/l	

Hunting Creek South Wastewater Treatment Plant KY0029114 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
1/5/2010	EPA 200.7	Total Phosphorous via ICP	0.499	mg/l	MSD
1/12/2010	EPA 200.7	Total Phosphorous via ICP	0.494	mg/l	MSD
1/20/2010	EPA 200.7	Total Phosphorous via ICP	0.308	mg/l	MSD
1/25/2010	EPA 200.7	Total Phosphorous via ICP	0.258	mg/l	MSD
		Monthly Average	0.39	mg/l	
2/3/2010	EPA 200.7	Total Phosphorous via ICP	0.311	mg/l	MSD
2/10/2010	EPA 200.7	Total Phosphorous via ICP	0.336	mg/l	MSD
2/17/2010	EPA 200.7	Total Phosphorous via ICP	0.354	mg/l	MSD
2/24/2010	EPA 200.7	Total Phosphorous via ICP	0.27	mg/l	MSD
		Monthly Average	0.32	mg/l	
3/3/2010	EPA 200.7	Total Phosphorous via ICP	0.123	mg/l	MSD
3/10/2010	EPA 200.7	Total Phosphorous via ICP	0.422	mg/l	MSD
3/17/2010	EPA 200.7	Total Phosphorous via ICP	0.404	mg/l	MSD
3/24/2010	EPA 200.7	Total Phosphorous via ICP	0.328	mg/l	MSD
3/31/2010	EPA 200.7	Total Phosphorous via ICP	0.395	mg/l	MSD
		Monthly Average	0.33	mg/l	

Hunting Creek South Wastewater Treatment Plant KY0029114 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
4/1/2010	EPA 200.7	Total Phosphorous via ICP	0.471	mg/l	MSD
4/8/2010	EPA 200.7	Total Phosphorous via ICP	0.664	mg/l	MSD
4/15/2010	EPA 200.7	Total Phosphorous via ICP	0.758	mg/l	MSD
4/22/2010	EPA 200.7	Total Phosphorous via ICP	0.357	mg/l	MSD
4/27/2010	EPA 200.7	Total Phosphorous via ICP	0.451	mg/l	MSD
Monthly Average			0.54	mg/l	
5/4/2010	EPA 200.7	Total Phosphorous via ICP	1.95	mg/l	MSD
5/11/2010	EPA 200.7	Total Phosphorous via ICP	0.72	mg/l	MSD
5/18/2010	EPA 200.7	Total Phosphorous via ICP	0.344	mg/l	MSD
5/25/2010	EPA 200.7	Total Phosphorous via ICP	0.06	mg/l	MSD
Monthly Average			0.77	mg/l	
6/2/2010	EPA 200.7	Total Phosphorous via ICP	1.12	mg/l	MSD
6/9/2010	EPA 200.7	Total Phosphorous via ICP	1.12	mg/l	MSD
6/16/2010	EPA 200.7	Total Phosphorous via ICP	0.922	mg/l	MSD
6/23/2010	EPA 200.7	Total Phosphorous via ICP	0.382	mg/l	MSD
Monthly Average			0.89	mg/l	

Ken Carla Wastewater Treatment Plant KY0022497 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
7/2/2009	EPA 200.7	Total Phosphorous via ICP	0.324	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	0.32	mg/l
8/5/2009	EPA 200.7	Total Phosphorous via ICP	0.06	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	0.06	mg/l
9/1/2009	EPA 200.7	Total Phosphorous via ICP	0.612	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	0.61	mg/l

Ken Carla Wastewater Treatment Plant KY0022497 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
10/5/2009	EPA 200.7	Total Phosphorous via ICP	0.28	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	0.28	mg/l	
11/3/2009	EPA 200.7	Total Phosphorous via ICP	1.44	mg/l	MSD
11/17/2009	EPA 200.7	Total Phosphorous via ICP	0.326	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	0.88	mg/l	
12/2/2009	EPA 200.7	Total Phosphorous via ICP	0.36	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	0.36	mg/l	

Ken Carla Wastewater Treatment Plant KY0022497 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
1/5/2010	EPA 200.7	Total Phosphorous via ICP	0.379	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			0.38	mg/l	
2/3/2010	EPA 200.7	Total Phosphorous via ICP	0.315	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			0.32	mg/l	
3/4/2010	EPA 200.7	Total Phosphorous via ICP	0.692	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			0.69	mg/l	

Ken Carla Wastewater Treatment Plant KY0022497 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
4/7/2010	EPA 200.7	Total Phosphorous via ICP	0.956	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	0.96	mg/l	
5/12/2010	EPA 200.7	Total Phosphorous via ICP	0.289	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	0.29	mg/l	
6/14/2010	EPA 200.7	Total Phosphorous via ICP	0.163	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	0.16	mg/l	

North Hunting Creek Wastewater Treatment Plant KY0029106 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
7/2/2009	EPA 200.7	Total Phosphorous via ICP	0.397	mg/l	MSD
7/8/2009	EPA 200.7	Total Phosphorous via ICP	0.408	mg/l	MSD
7/15/2009	EPA 200.7	Total Phosphorous via ICP	0.517	mg/l	MSD
7/22/2009	EPA 200.7	Total Phosphorous via ICP	0.671	mg/l	MSD
7/29/2009	EPA 200.7	Total Phosphorous via ICP	0.751	mg/l	MSD
Monthly Average			0.55	mg/l	
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8/5/2009	EPA 200.7	Total Phosphorous via ICP	0.327	mg/l	MSD
8/12/2009	EPA 200.7	Total Phosphorous via ICP	0.459	mg/l	MSD
8/19/2009	EPA 200.7	Total Phosphorous via ICP	0.351	mg/l	MSD
8/26/2009	EPA 200.7	Total Phosphorous via ICP	0.564	mg/l	MSD
Monthly Average			0.43	mg/l	
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9/1/2009	EPA 200.7	Total Phosphorous via ICP	0.419	mg/l	MSD
9/8/2009	EPA 200.7	Total Phosphorous via ICP	0.71	mg/l	MSD
9/15/2009	EPA 200.7	Total Phosphorous via ICP	0.733	mg/l	MSD
9/22/2009	EPA 200.7	Total Phosphorous via ICP	0.557	mg/l	MSD
9/30/2009	EPA 200.7	Total Phosphorous via ICP	0.775	mg/l	MSD
Monthly Average			0.64	mg/l	

North Hunting Creek Wastewater Treatment Plant KY0029106 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
10/5/2009	EPA 200.7	Total Phosphorous via ICP	0.543	mg/l	MSD
10/12/2009	EPA 200.7	Total Phosphorous via ICP	0.434	mg/l	MSD
10/19/2009	EPA 200.7	Total Phosphorous via ICP	0.463	mg/l	MSD
10/26/2009	EPA 200.7	Total Phosphorous via ICP	0.137	mg/l	MSD
Monthly Average			0.39	mg/l	
11/3/2009	EPA 200.7	Total Phosphorous via ICP	0.564	mg/l	MSD
11/10/2009	EPA 200.7	Total Phosphorous via ICP	0.397	mg/l	MSD
11/17/2009	EPA 200.7	Total Phosphorous via ICP	0.683	mg/l	MSD
11/24/2009	EPA 200.7	Total Phosphorous via ICP	0.504	mg/l	MSD
Monthly Average			0.54	mg/l	
12/2/2009	EPA 200.7	Total Phosphorous via ICP	1.27	mg/l	MSD
12/9/2009	EPA 200.7	Total Phosphorous via ICP	0.847	mg/l	MSD
12/16/2009	EPA 200.7	Total Phosphorous via ICP	1.13	mg/l	MSD
12/22/2009	EPA 200.7	Total Phosphorous via ICP	1.22	mg/l	MSD
12/29/2009	EPA 200.7	Total Phosphorous via ICP	0.508	mg/l	MSD
12/31/2009	EPA 200.7	Total Phosphorous via ICP	0.851	mg/l	MSD
Monthly Average			0.97	mg/l	

North Hunting Creek Wastewater Treatment Plant KY0029106 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
1/5/2010	EPA 200.7	Total Phosphorous via ICP	0.591	mg/l	MSD
1/12/2010	EPA 200.7	Total Phosphorous via ICP	0.537	mg/l	MSD
1/20/2010	EPA 200.7	Total Phosphorous via ICP	0.478	mg/l	MSD
1/26/2010	EPA 200.7	Total Phosphorous via ICP	0.885	mg/l	MSD
Monthly Average			0.62	mg/l	
2/3/2010	EPA 200.7	Total Phosphorous via ICP	0.097	mg/l	MSD
2/10/2010	EPA 200.7	Total Phosphorous via ICP	0.548	mg/l	MSD
2/17/2010	EPA 200.7	Total Phosphorous via ICP	0.094	mg/l	MSD
2/24/2010	EPA 200.7	Total Phosphorous via ICP	0.497	mg/l	MSD
Monthly Average			0.31	mg/l	
3/3/2010	EPA 200.7	Total Phosphorous via ICP	0.384	mg/l	MSD
3/10/2010	EPA 200.7	Total Phosphorous via ICP	0.245	mg/l	MSD
3/17/2010	EPA 200.7	Total Phosphorous via ICP	0.486	mg/l	MSD
3/24/2010	EPA 200.7	Total Phosphorous via ICP	0.304	mg/l	MSD
3/31/2010	EPA 200.7	Total Phosphorous via ICP	0.757	mg/l	MSD
	EPA 200.7	Total Phosphorous via ICP		mg/l	MSD
Monthly Average			0.44	mg/l	

North Hunting Creek Wastewater Treatment Plant KY0029106 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
4/1/2010	EPA 200.7	Total Phosphorous via ICP	0.379	mg/l	MSD
4/8/2010	EPA 200.7	Total Phosphorous via ICP	0.435	mg/l	MSD
4/15/2010	EPA 200.7	Total Phosphorous via ICP	0.167	mg/l	MSD
4/22/2010	EPA 200.7	Total Phosphorous via ICP	0.105	mg/l	MSD
4/27/2010	EPA 200.7	Total Phosphorous via ICP	0.234	mg/l	MSD
Monthly Average			0.26	mg/l	
5/4/2010	EPA 200.7	Total Phosphorous via ICP	0.408	mg/l	MSD
5/11/2010	EPA 200.7	Total Phosphorous via ICP	0.362	mg/l	MSD
5/18/2010	EPA 200.7	Total Phosphorous via ICP	0.538	mg/l	MSD
5/25/2010	EPA 200.7	Total Phosphorous via ICP	0.726	mg/l	MSD
Monthly Average			0.51	mg/l	
6/2/2010	EPA 200.7	Total Phosphorous via ICP	0.456	mg/l	MSD
6/9/2010	EPA 200.7	Total Phosphorous via ICP	0.145	mg/l	MSD
6/16/10**	EPA 200.7	Total Phosphorous via ICP		mg/l	MSD
6/23/2010	EPA 200.7	Total Phosphorous via ICP	0.279	mg/l	MSD
Monthly Average			0.29	mg/l	

** MSD personnel lost the Total Phosphorus sample.

Shadow Wood Wastewater Treatment Plant KY0031810 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
7/2/2009	EPA 200.7	Total Phosphorous via ICP	0.537	mg/l	MSD
7/8/2009	EPA 200.7	Total Phosphorous via ICP	0.519	mg/l	MSD
7/15/2009	EPA 200.7	Total Phosphorous via ICP	0.708	mg/l	MSD
7/22/2009	EPA 200.7	Total Phosphorous via ICP	0.945	mg/l	MSD
7/29/2009	EPA 200.7	Total Phosphorous via ICP	0.532	mg/l	MSD
Monthly Average			0.65	mg/l	
8/5/2009	EPA 200.7	Total Phosphorous via ICP	0.237	mg/l	MSD
8/12/2009	EPA 200.7	Total Phosphorous via ICP	0.288	mg/l	MSD
8/19/2009	EPA 200.7	Total Phosphorous via ICP	0.343	mg/l	MSD
8/26/2009	EPA 200.7	Total Phosphorous via ICP	0.33	mg/l	MSD
Monthly Average			0.30	mg/l	
9/1/2009	EPA 200.7	Total Phosphorous via ICP	0.354	mg/l	MSD
9/8/2009	EPA 200.7	Total Phosphorous via ICP	0.295	mg/l	MSD
9/15/2009	EPA 200.7	Total Phosphorous via ICP	0.364	mg/l	MSD
9/22/2009	EPA 200.7	Total Phosphorous via ICP	0.522	mg/l	MSD
9/30/2009	EPA 200.7	Total Phosphorous via ICP	0.284	mg/l	MSD
Monthly Average			0.36	mg/l	

Shadow Wood Wastewater Treatment Plant KY0031810 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
10/5/2009	EPA 200.7	Total Phosphorous via ICP	0.322	mg/l	MSD
10/12/2009	EPA 200.7	Total Phosphorous via ICP	0.406	mg/l	MSD
10/19/2009	EPA 200.7	Total Phosphorous via ICP	0.567	mg/l	MSD
10/26/2009	EPA 200.7	Total Phosphorous via ICP	0.549	mg/l	MSD
Monthly Average			0.46	mg/l	
11/3/2009	EPA 200.7	Total Phosphorous via ICP	0.491	mg/l	MSD
11/10/2009	EPA 200.7	Total Phosphorous via ICP	0.413	mg/l	MSD
11/17/2009	EPA 200.7	Total Phosphorous via ICP	0.434	mg/l	MSD
11/24/2009	EPA 200.7	Total Phosphorous via ICP	0.324	mg/l	MSD
Monthly Average			0.42	mg/l	
12/2/2009	EPA 200.7	Total Phosphorous via ICP	0.471	mg/l	MSD
12/9/2009	EPA 200.7	Total Phosphorous via ICP	0.592	mg/l	MSD
12/16/2009	EPA 200.7	Total Phosphorous via ICP	0.676	mg/l	MSD
12/22/2009	EPA 200.7	Total Phosphorous via ICP	0.701	mg/l	MSD
12/29/2009	EPA 200.7	Total Phosphorous via ICP	0.618	mg/l	MSD
Monthly Average			0.61	mg/l	

Shadow Wood Wastewater Treatment Plant KY0031810 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
1/5/2010	EPA 200.7	Total Phosphorous via ICP	1.08	mg/l	MSD
1/12/2010	EPA 200.7	Total Phosphorous via ICP	0.558	mg/l	MSD
1/20/2010	EPA 200.7	Total Phosphorous via ICP	0.312	mg/l	MSD
1/26/2010	EPA 200.7	Total Phosphorous via ICP	0.175	mg/l	MSD
Monthly Average			0.53	mg/l	
2/3/2010	EPA 200.7	Total Phosphorous via ICP	0.169	mg/l	MSD
2/10/2010	EPA 200.7	Total Phosphorous via ICP	0.112	mg/l	MSD
2/17/2010	EPA 200.7	Total Phosphorous via ICP	0.141	mg/l	MSD
2/24/2010	EPA 200.7	Total Phosphorous via ICP	0.173	mg/l	MSD
Monthly Average			0.15	mg/l	
3/3/2010	EPA 200.7	Total Phosphorous via ICP	0.127	mg/l	MSD
3/10/2010	EPA 200.7	Total Phosphorous via ICP	0.193	mg/l	MSD
3/17/2010	EPA 200.7	Total Phosphorous via ICP	0.202	mg/l	MSD
3/24/2010	EPA 200.7	Total Phosphorous via ICP	0.209	mg/l	MSD
3/31/2010	EPA 200.7	Total Phosphorous via ICP	0.222	mg/l	MSD
Monthly Average			0.19	mg/l	

Shadow Wood Wastewater Treatment Plant KY0031810 Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
4/1/2010	EPA 200.7	Total Phosphorous via ICP	0.253	mg/l	MSD
4/8/2010	EPA 200.7	Total Phosphorous via ICP	0.432	mg/l	MSD
4/15/2010	EPA 200.7	Total Phosphorous via ICP	0.339	mg/l	MSD
4/22/2010	EPA 200.7	Total Phosphorous via ICP	0.395	mg/l	MSD
4/27/2010	EPA 200.7	Total Phosphorous via ICP	0.385	mg/l	MSD
Monthly Average			0.36	mg/l	
5/4/2010	EPA 200.7	Total Phosphorous via ICP	0.276	mg/l	MSD
5/11/2010	EPA 200.7	Total Phosphorous via ICP	0.282	mg/l	MSD
5/19/2010	EPA 200.7	Total Phosphorous via ICP	0.316	mg/l	MSD
5/25/2010	EPA 200.7	Total Phosphorous via ICP	0.345	mg/l	MSD
Monthly Average			0.30	mg/l	
6/3/2010	EPA 200.7	Total Phosphorous via ICP	0.394	mg/l	MSD
6/9/2010	EPA 200.7	Total Phosphorous via ICP	0.332	mg/l	MSD
6/16/2010	EPA 200.7	Total Phosphorous via ICP	0.272	mg/l	MSD
6/23/2010	EPA 200.7	Total Phosphorous via ICP	0.493	mg/l	MSD
Monthly Average			0.37	mg/l	

Timberlake Wastewater Treatment Plant KY0043087
Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
7/2/2009	EPA 200.7	Total Phosphorous via ICP	0.595	mg/l	MSD
7/8/2009	EPA 200.7	Total Phosphorous via ICP	0.414	mg/l	MSD
7/15/2009	EPA 200.7	Total Phosphorous via ICP	0.283	mg/l	MSD
7/22/2009	EPA 200.7	Total Phosphorous via ICP	0.338	mg/l	MSD
7/29/2009	EPA 200.7	Total Phosphorous via ICP	0.628	mg/l	MSD
Monthly Average			0.45	mg/l	
8/5/2009	EPA 200.7	Total Phosphorous via ICP	0.347	mg/l	MSD
8/12/2009	EPA 200.7	Total Phosphorous via ICP	0.365	mg/l	MSD
8/19/2009	EPA 200.7	Total Phosphorous via ICP	0.402	mg/l	MSD
8/26/2009	EPA 200.7	Total Phosphorous via ICP	0.386	mg/l	MSD
Monthly Average			0.38	mg/l	
9/1/2009	EPA 200.7	Total Phosphorous via ICP	0.353	mg/l	MSD
9/8/2009	EPA 200.7	Total Phosphorous via ICP	0.399	mg/l	MSD
9/15/2009	EPA 200.7	Total Phosphorous via ICP	0.437	mg/l	MSD
9/22/2009	EPA 200.7	Total Phosphorous via ICP	0.359	mg/l	MSD
9/30/2009	EPA 200.7	Total Phosphorous via ICP	0.401	mg/l	MSD
Monthly Average			0.39	mg/l	

Timberlake Wastewater Treatment Plant KY0043087
Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
10/5/2009	EPA 200.7	Total Phosphorous via ICP	0.361	mg/l	MSD
10/12/2009	EPA 200.7	Total Phosphorous via ICP	0.298	mg/l	MSD
10/19/2009	EPA 200.7	Total Phosphorous via ICP	0.344	mg/l	MSD
10/26/2009	EPA 200.7	Total Phosphorous via ICP	0.493	mg/l	MSD
Monthly Average			0.37	mg/l	
11/3/2009	EPA 200.7	Total Phosphorous via ICP	0.481	mg/l	MSD
11/10/2009	EPA 200.7	Total Phosphorous via ICP	0.379	mg/l	MSD
11/17/2009	EPA 200.7	Total Phosphorous via ICP	0.528	mg/l	MSD
11/24/2009	EPA 200.7	Total Phosphorous via ICP	0.633	mg/l	MSD
Monthly Average			0.51	mg/l	
12/2/2009	EPA 200.7	Total Phosphorous via ICP	0.734	mg/l	MSD
12/9/2009	EPA 200.7	Total Phosphorous via ICP	0.444	mg/l	MSD
12/16/2009	EPA 200.7	Total Phosphorous via ICP	0.338	mg/l	MSD
12/22/2009	EPA 200.7	Total Phosphorous via ICP	0.496	mg/l	MSD
12/29/2009	EPA 200.7	Total Phosphorous via ICP	0.666	mg/l	MSD
Monthly Average			0.54	mg/l	

Timberlake Wastewater Treatment Plant KY0043087
Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
1/5/2010	EPA 200.7	Total Phosphorous via ICP	0.835	mg/l	MSD
1/12/2010	EPA 200.7	Total Phosphorous via ICP	0.868	mg/l	MSD
1/20/2010	EPA 200.7	Total Phosphorous via ICP	0.786	mg/l	MSD
1/25/2010	EPA 200.7	Total Phosphorous via ICP	0.794	mg/l	MSD
1/26/2010	EPA 200.7	Total Phosphorous via ICP	0.78	mg/l	MSD
Monthly Average			0.81	mg/l	
2/3/2010	EPA 200.7	Total Phosphorous via ICP	0.816	mg/l	MSD
2/10/2010	EPA 200.7	Total Phosphorous via ICP	0.166	mg/l	MSD
2/17/2010	EPA 200.7	Total Phosphorous via ICP	0.619	mg/l	MSD
2/24/2010	EPA 200.7	Total Phosphorous via ICP	0.71	mg/l	MSD
Monthly Average			0.58	mg/l	
3/3/2010	EPA 200.7	Total Phosphorous via ICP	0.77	mg/l	MSD
3/11/2010	EPA 200.7	Total Phosphorous via ICP	0.892	mg/l	MSD
3/17/2010	EPA 200.7	Total Phosphorous via ICP	0.532	mg/l	MSD
3/24/2010	EPA 200.7	Total Phosphorous via ICP	0.412	mg/l	MSD
3/31/2010	EPA 200.7	Total Phosphorous via ICP	0.734	mg/l	MSD
Monthly Average			0.67	mg/l	

Timberlake Wastewater Treatment Plant KY0043087
Quarterly Effluent Total Phosphorus Results

SAMPLE DATE	TEST METHOD	PARAMETER	RESULT	UNIT	LABORATORY
4/1/2010	EPA 200.7	Total Phosphorous via ICP	0.437	mg/l	MSD
4/8/2010	EPA 200.7	Total Phosphorous via ICP	0.415	mg/l	MSD
4/15/2010	EPA 200.7	Total Phosphorous via ICP	0.356	mg/l	MSD
4/22/2010	EPA 200.7	Total Phosphorous via ICP	0.354	mg/l	MSD
4/27/2010	EPA 200.7	Total Phosphorous via ICP	0.766	mg/l	MSD
Monthly Average			0.47	mg/l	
5/4/2010	EPA 200.7	Total Phosphorous via ICP	0.427	mg/l	MSD
5/11/2010	EPA 200.7	Total Phosphorous via ICP	0.413	mg/l	MSD
5/18/2010	EPA 200.7	Total Phosphorous via ICP	0.384	mg/l	MSD
5/25/2010	EPA 200.7	Total Phosphorous via ICP	0.342	mg/l	MSD
Monthly Average			0.39	mg/l	
6/2/2010	EPA 200.7	Total Phosphorous via ICP	0.323	mg/l	MSD
6/9/2010	EPA 200.7	Total Phosphorous via ICP	0.428	mg/l	MSD
6/16/2010	EPA 200.7	Total Phosphorous via ICP	0.334	mg/l	MSD
6/23/2010	EPA 200.7	Total Phosphorous via ICP	0.377	mg/l	MSD
Monthly Average			0.37	mg/l	

APPENDIX H - ORGANIZATIONAL CHART



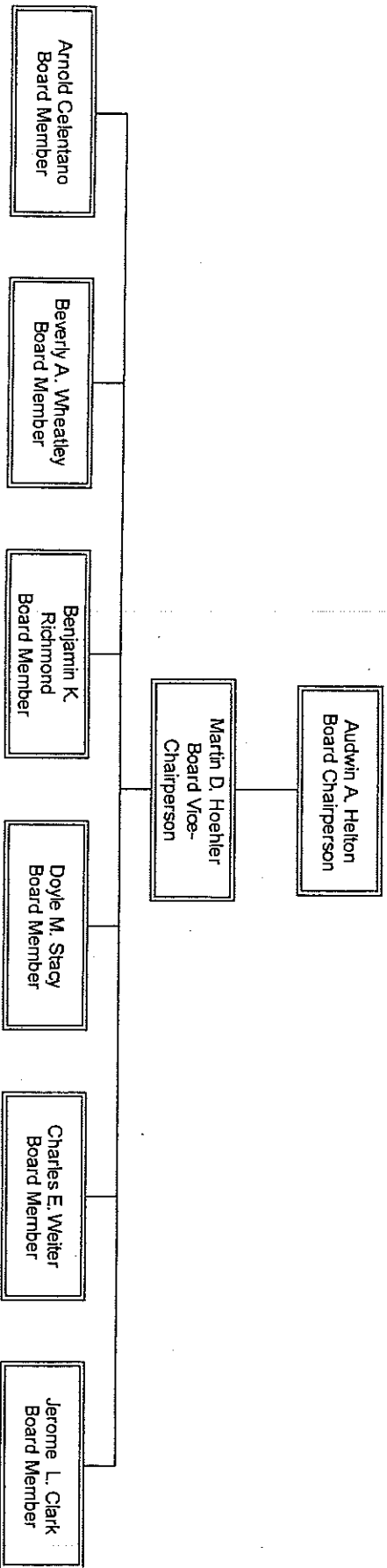
Louisville and Jefferson County
Metropolitan Sewer District

Organizational Chart
October 11, 2010

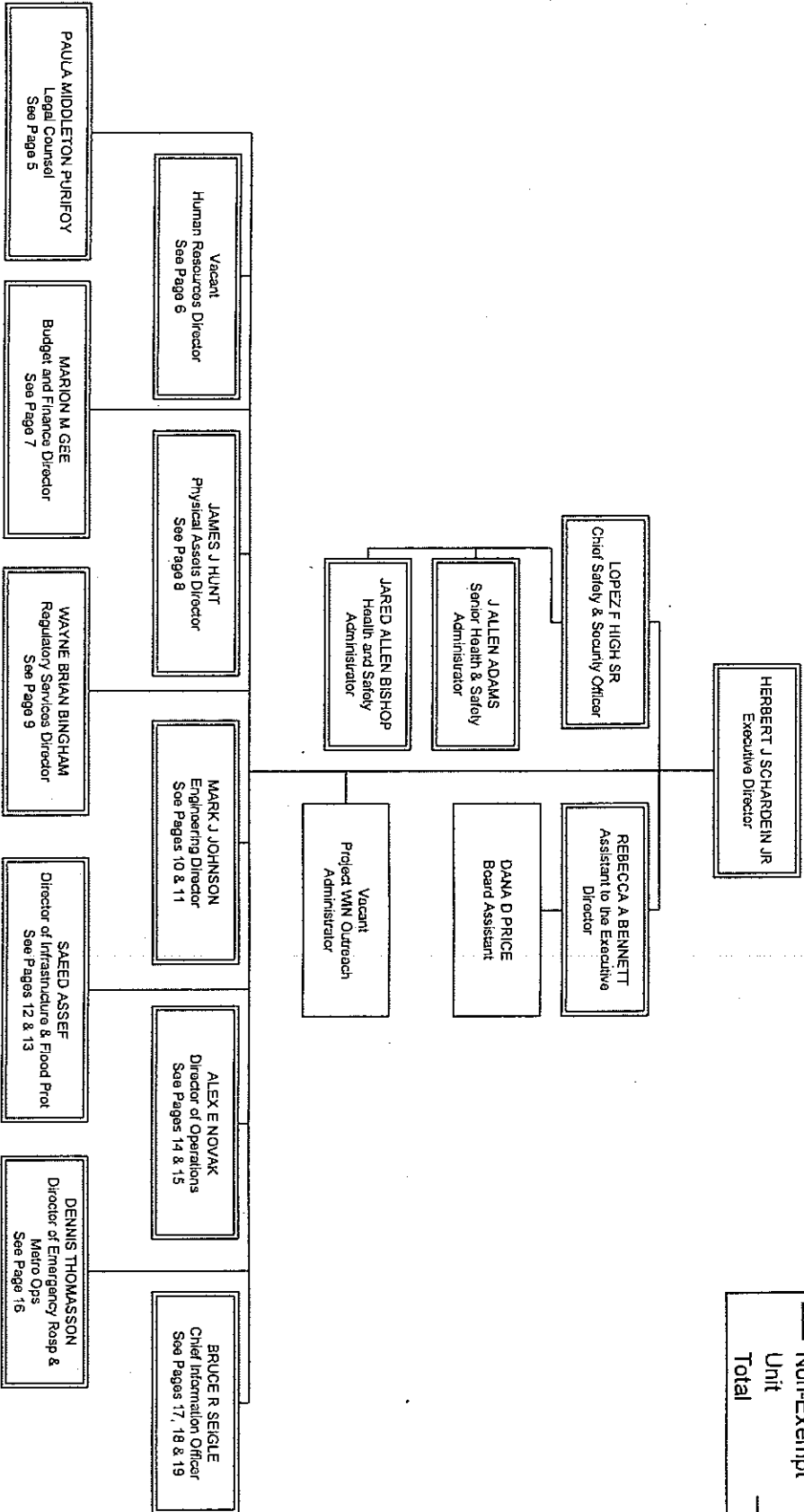
Organizational Summary

	<u>Authorized</u>	<u>Actual</u>	<u>Vacant</u>	<u>Exempt</u>	<u>Non-Exempt</u>	<u>Unit</u>	<u>Overbudget</u>
Executive Offices Division	7	6	1	5	2	0	0
Legal Division	6	6	0	4	2	0	0
Human Resources Division	16	14	2	9	7	0	0
Finance Division	20	20	0	10	10	0	0
Physical Assets Division	40	39	1	8	14	18	0
Regulatory Services Div	60.5	53.5	7	26	34.5	0	0
Engineering Division							
Development/Plan Review	24	21	3	12	12	0	0
Design/Construction	23	23	0	17	6	0	0
Infrastructure & Flood Protection Division							
Administration & Support Services	68	67	1	13	17	38	0
Sewer/Flood Prot. & Stormwater Drain.	151	147	4	13	4	134	0
Operations Division							
MFWTP Operations	55.5	54.5	1	10	9.5	36	0
MFWTP Maintenance	38	38	0	5	6	27	0
Metro Operations & Maintenance	79	77	2	14	8	57	0
Information Technology Division							
Information Technology	34	34	0	22	12	0	0
Customer Relations	20	20	0	1	19	0	0
LOJIC	11	11	0	10	1	0	0
DISTRICT TOTAL	653	631	22	179	164	310	0

Board Members

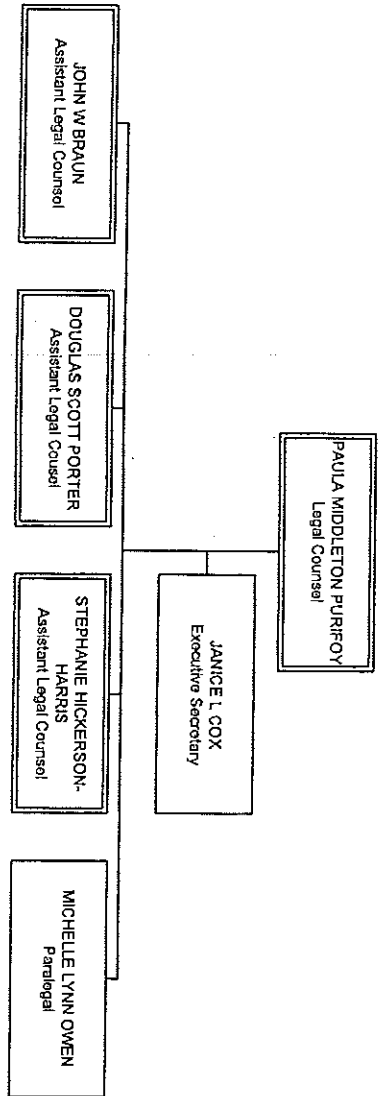


Executive Offices Division



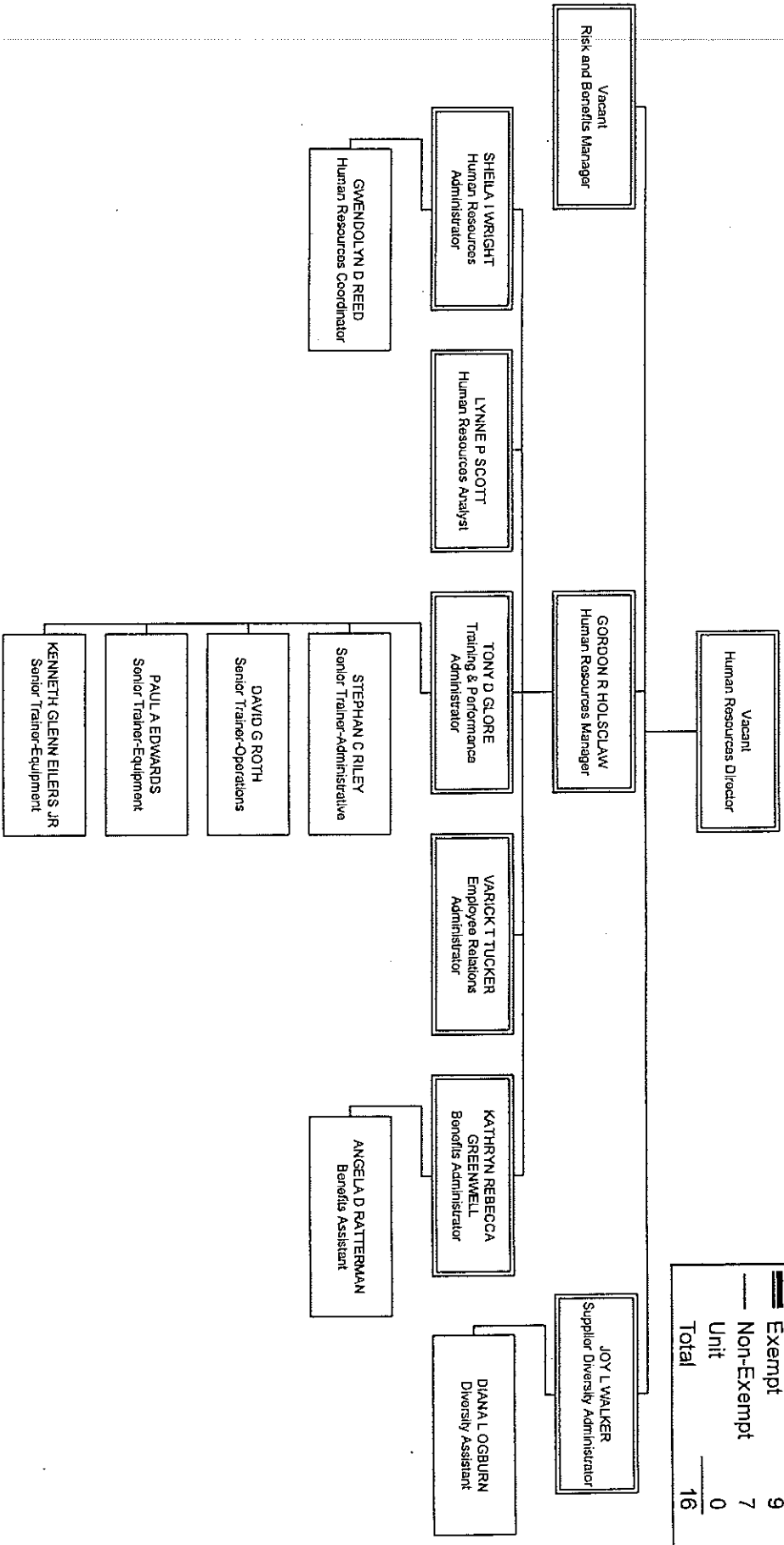
BUDGET STATUS	
Actual	6
Vacant	1
Authorized	7
Exempt	5
Non-Exempt	2
Unit	0
Total	7

Legal Division



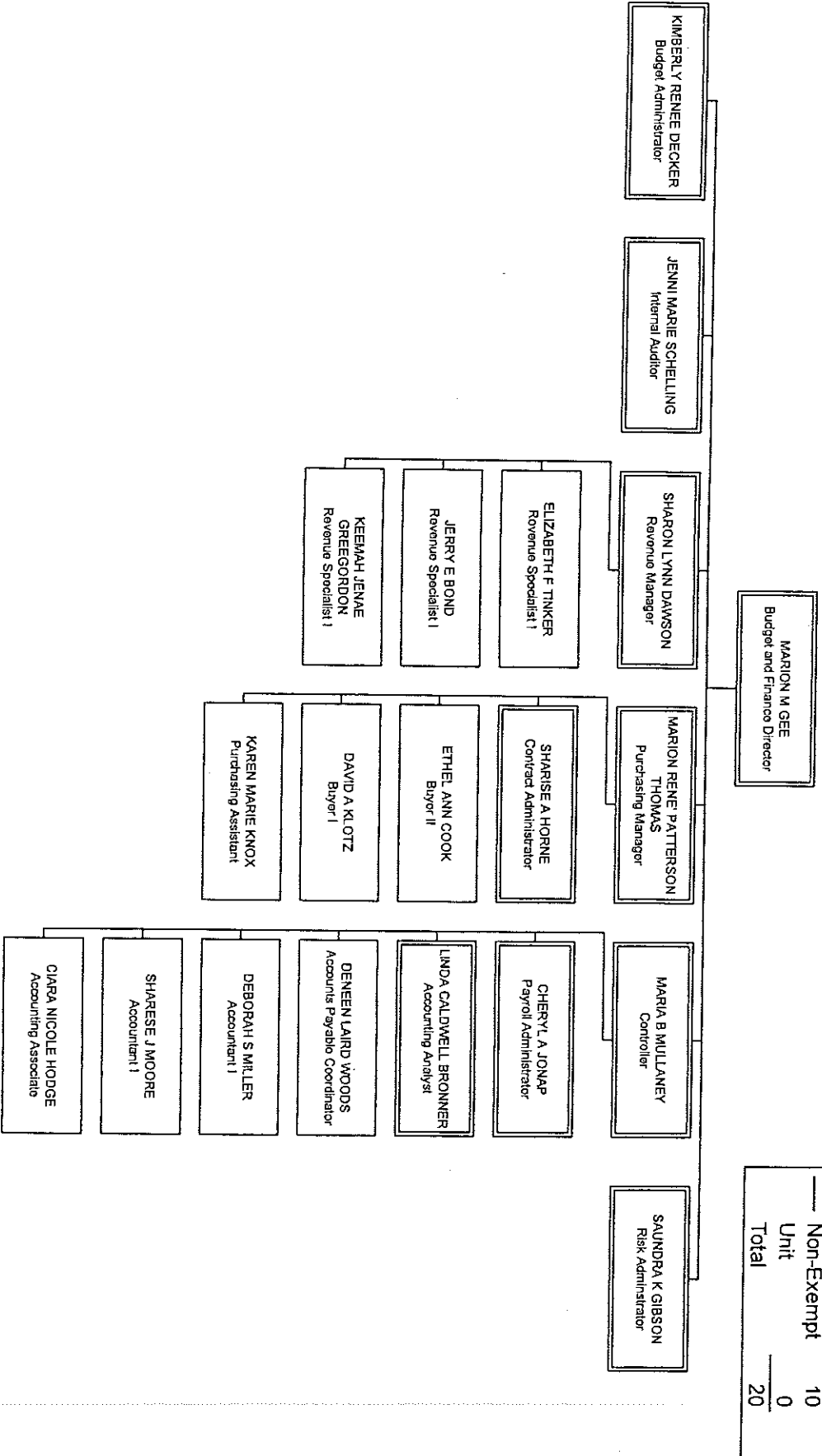
BUDGET STATUS	
Actual	6
Vacant	0
Authorized	6
Exempt	4
Non-Exempt	2
Unit	0
Total	6

Human Resources Division



BUDGET STATUS	
Actual	14
Vacant	2
Authorized	16
Exempt	9
Non-Exempt	7
Unit	0
Total	16

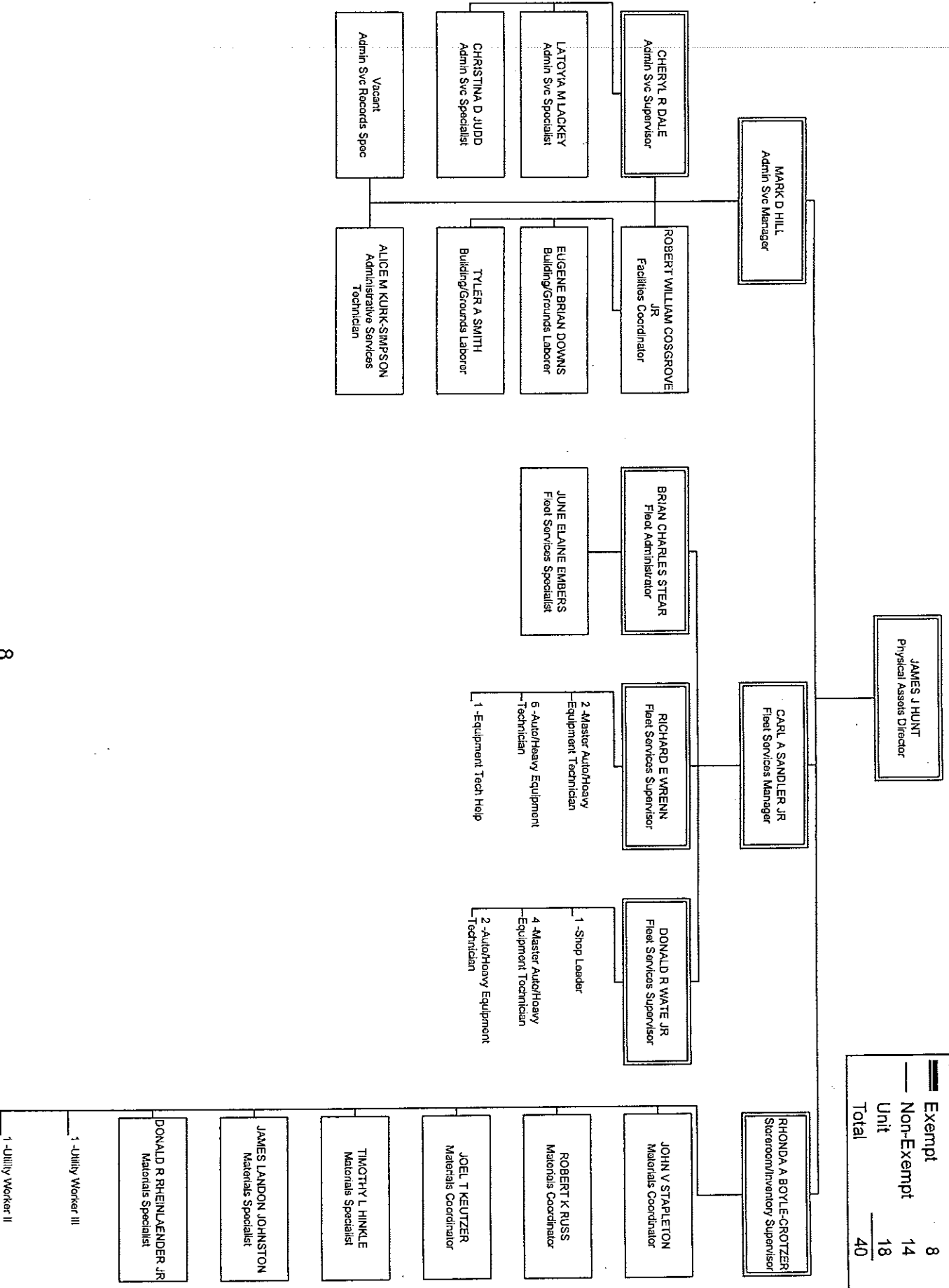
Finance Division



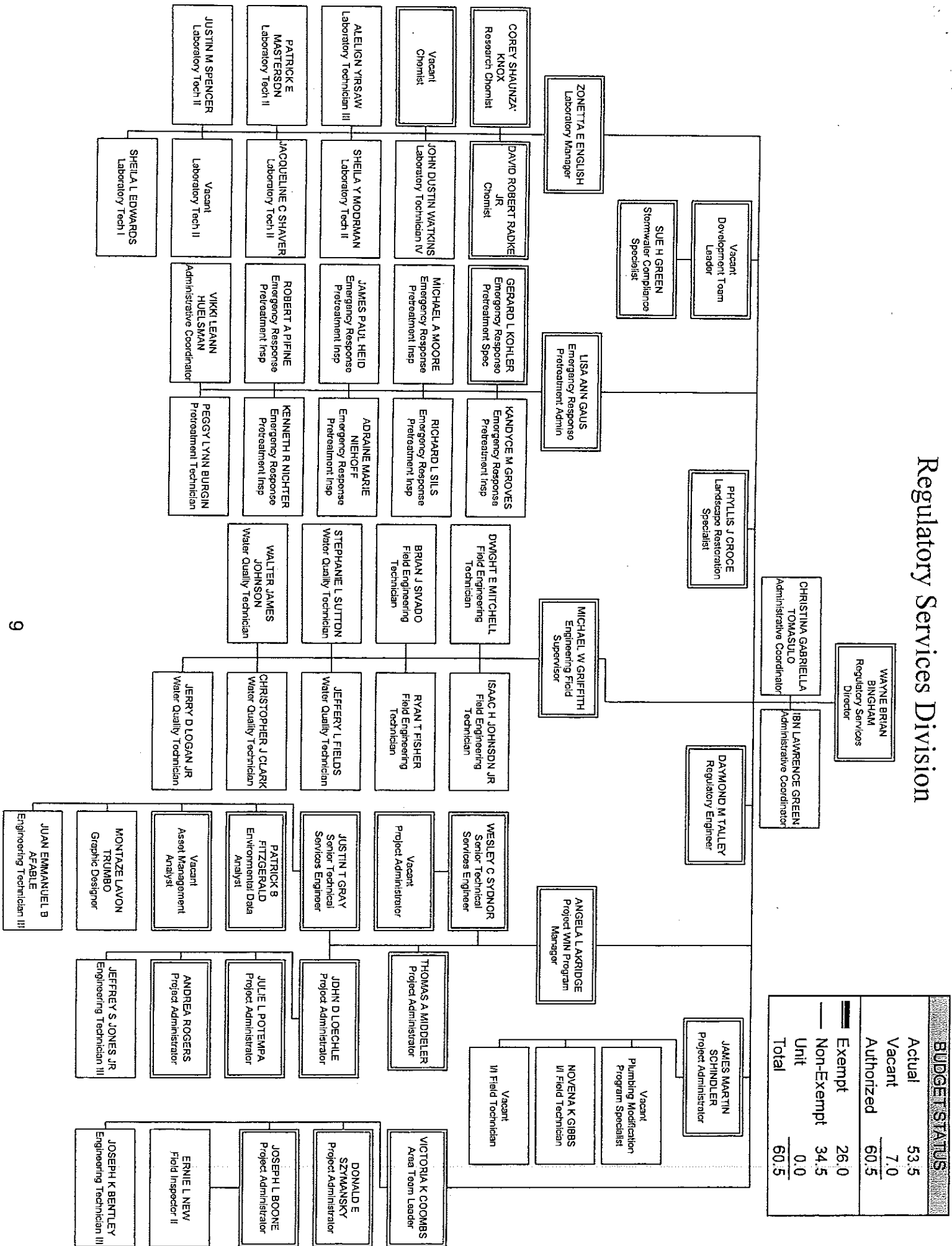
BUDGET STATUS	
Actual	20
Vacant	0
Authorized	20
Exempt	10
Non-Exempt	10
Unit	0
Total	20

Physical Assets Division

BUDGET STATUS	
Actual	39
Vacant	1
Authorized	40
Exempt	8
Non-Exempt	14
Unit	18
Total	40



Regulatory Services Division

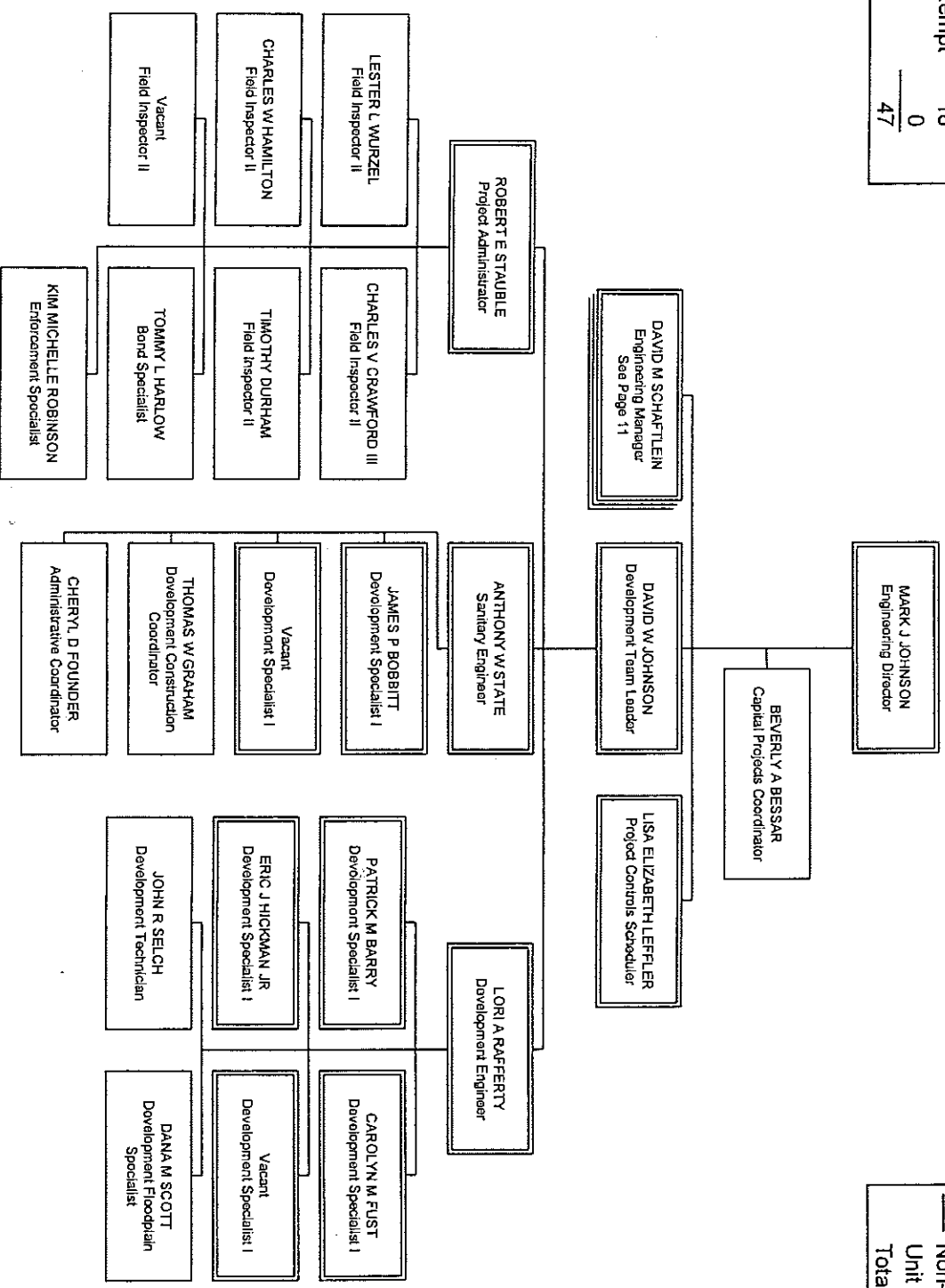


BUDGET STATUS	
Actual	53.5
Vacant	7.0
Authorized	60.5
Exempt	26.0
Non-Exempt	34.5
Unit	0.0
Total	60.5

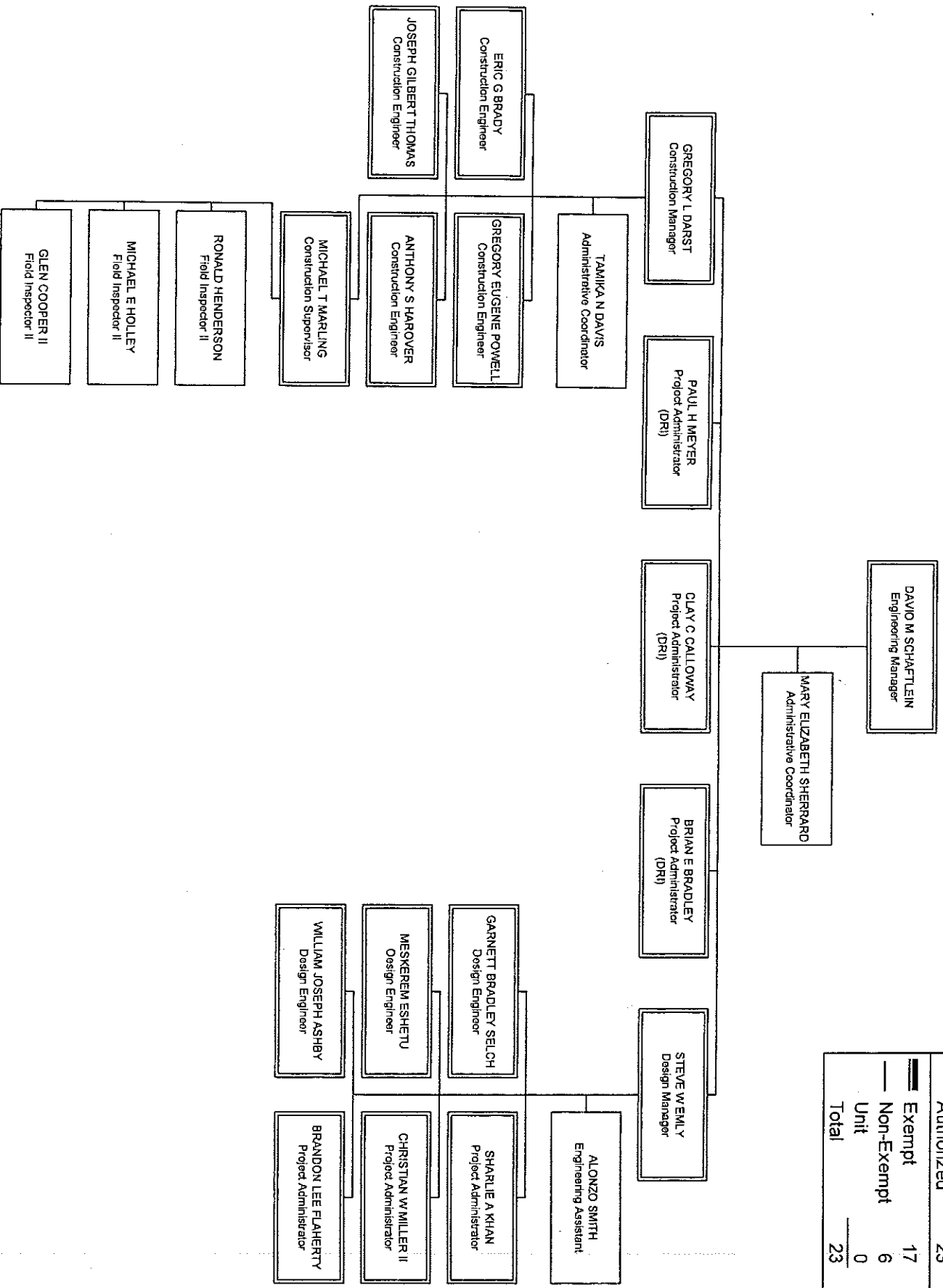
Engineering Division Development Plan/Review

DIVISION BUDGET STATUS	
Actual	44
Vacant	3
Authorized	47
Exempt	29
Non-Exempt	18
Unit	0
Total	47

BUDGET STATUS	
Actual	21
Vacant	3
Authorized	24
Exempt	12
Non-Exempt	12
Unit	0
Total	24



Engineering Division Design/Construction

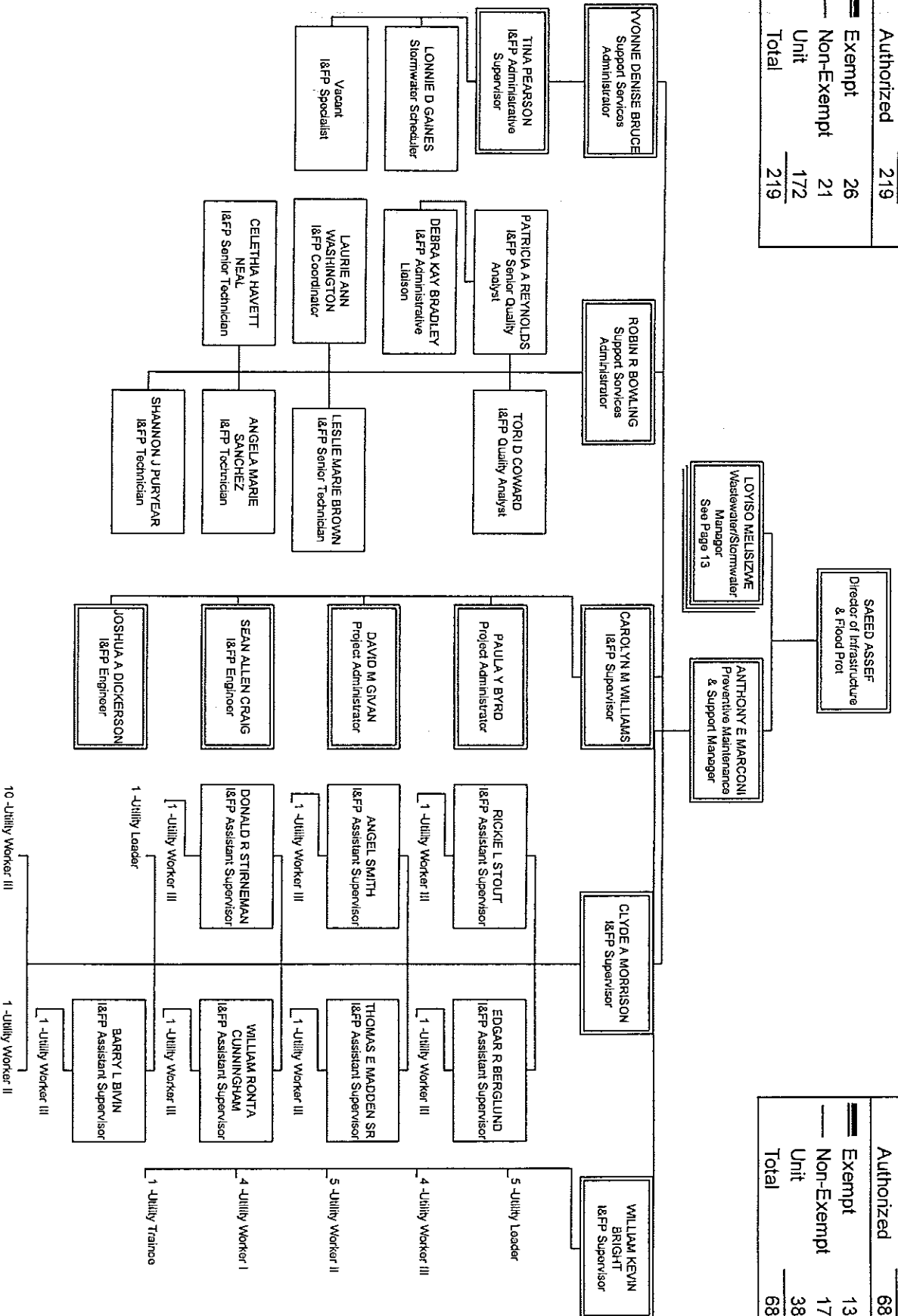


BUDGET STATUS	
Actual	23
Vacant	0
Authorized	23
Exempt	17
Non-Exempt	6
Unit	0
Total	23

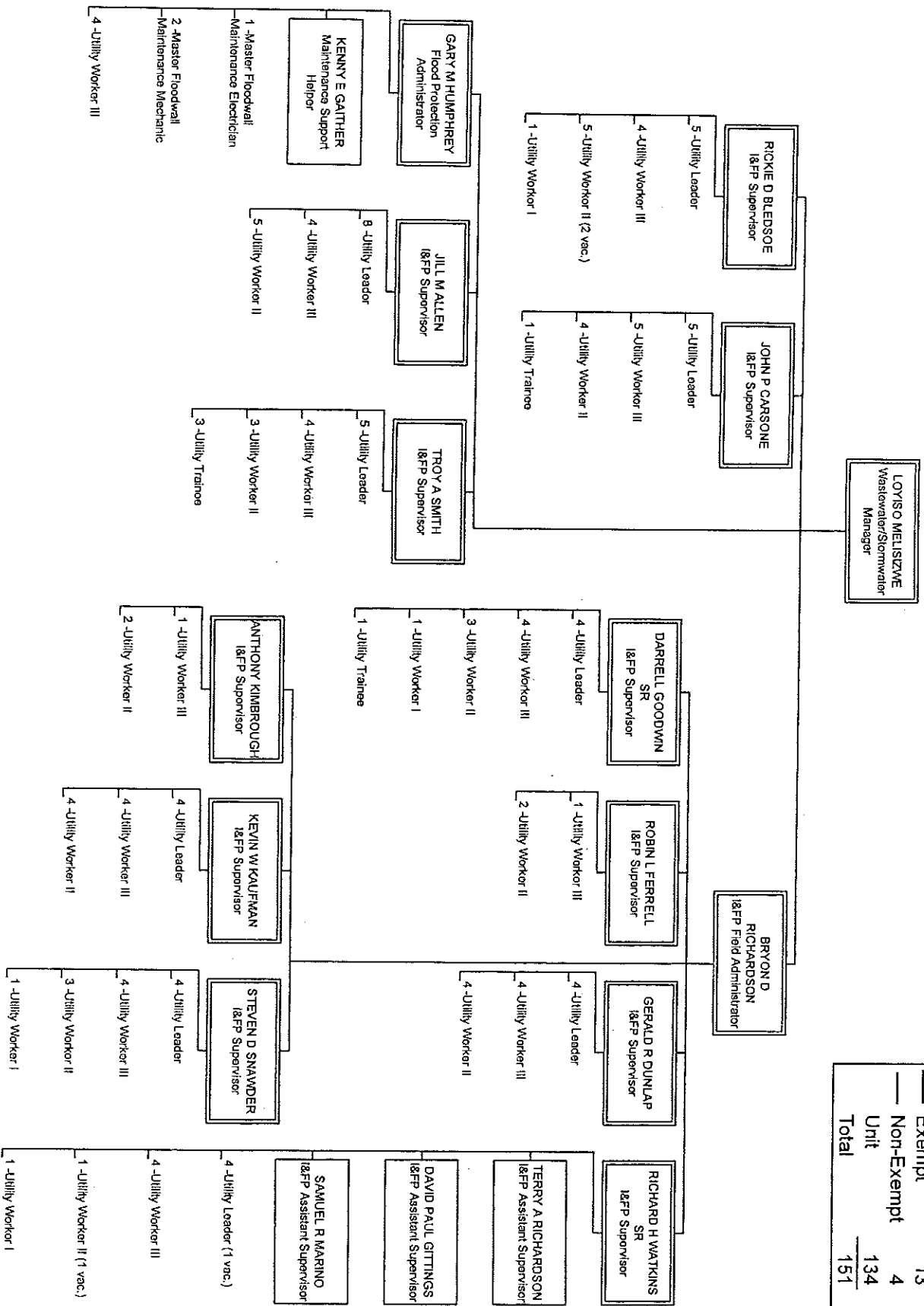
Infrastructure & Flood Protection Division Administration & Support Services

DIVISION BUDGET STATUS	
Actual	214
Vacant	5
Authorized	<u>219</u>
Exempt	26
Non-Exempt	21
Unit	172
Total	<u>219</u>

BUDGET STATUS	
Actual	67
Vacant	1
Authorized	<u>68</u>
Exempt	13
Non-Exempt	17
Unit	38
Total	<u>68</u>



Infrastructure & Flood Protection Division Sewer/Flood Protection & Stormwater Drainage

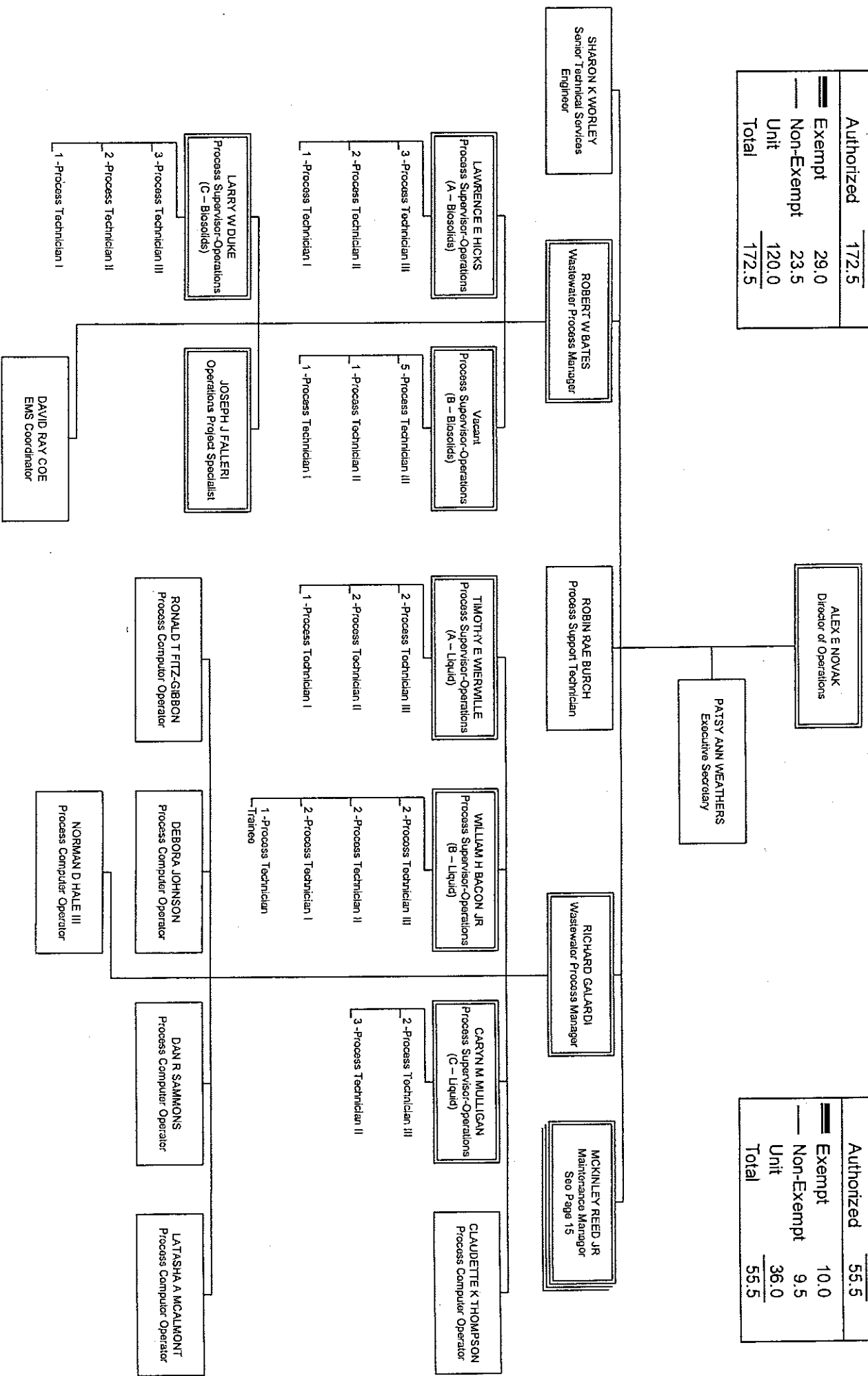


BUDGET STATUS	
Actual	147
Vacant	4
Authorized	151
Exempt	13
Non-Exempt	4
Unit	134
Total	151

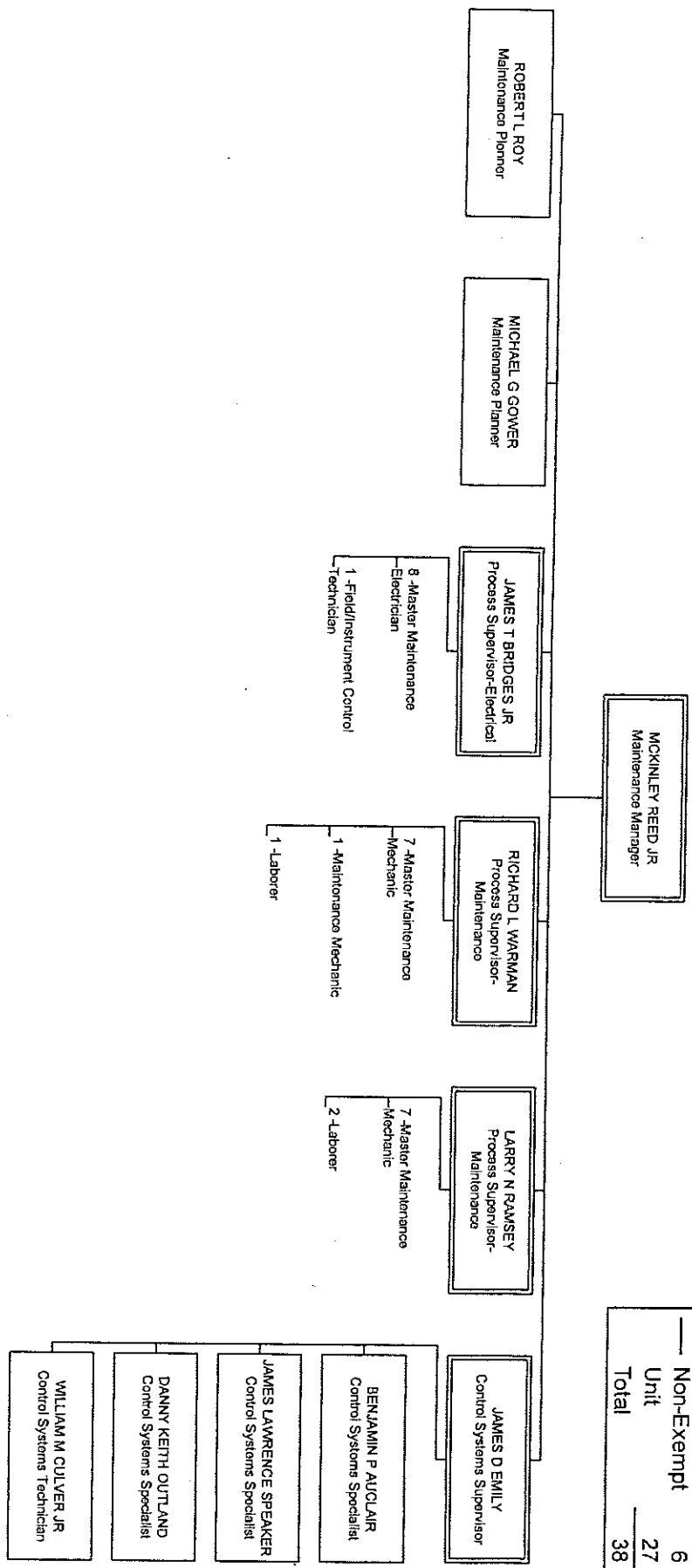
Operations Division MFWTP Operations

DIVISION BUDGET STATUS	
Actual	169.5
Vacant	3.0
Authorized	172.5
Exempt	29.0
Non-Exempt	23.5
Unit	120.0
Total	172.5

BUDGET STATUS	
Actual	54.5
Vacant	1.0
Authorized	55.5
Exempt	10.0
Non-Exempt	9.5
Unit	36.0
Total	55.5



Operations Division MFWTP Maintenance



BUDGET STATUS	
Actual	38
Vacant	0
Authorized	38
Exempt	5
Non-Exempt Unit	6
Total	27
	38

Operations Division Metro Operations & Maintenance

BUDGET STATUS	
Actual	77
Vacant	2
Authorized	79
Exempt	14
Non-Exempt	8
Unit	57
Total	79

DENNIS THOMASSON
Director of Emergency Resp & Metro Ops

THERESA LYNN SINGLETON
Executive Secretary

KEVIN D RIES
Wastewater Process Manager

RICHARD W MILLS
Process Supervisor-Operations
(Hila Creek)

- 4 -Process Specialist
- 1 -Senior Operator
- 2 -Operator-In-Training
- 1 -Tractor-Trailer Driver

Vacant
Process Supervisor-Operations

- 1 -Senior Operator
- 1 -Operator
- 1 -Maintenance Electrician
- 1 -Maintenance Mechanic
- 2 -Operator-In-Training

DUANE V WRIGHT
Process Supervisor-Operations
(Cedar Creek)

- 4 -Process Specialist
- 1 -Senior Operator
- 2 -Operator-In-Training
- 1 -Tractor-Trailer Driver

JOHN M KESSEL
Process Supervisor-Operations
(DRGWQTC)

- 3 -Process Specialist
- 1 -Senior Operator
- 2 -Operator-In-Training
- 1 -Tractor-Trailer Driver

JOHN M HEACOCK
Process Supervisor-
Maintenance
(DRGWQTC)

- 2 -Master Maintenance Electrician
- 1 -Master Maintenance Mechanic
- 1 -Maintenance Electrician
- 2 -Maintenance Mechanic

MICHAEL E BRAZEL
Process Supervisor-
Maintenance
(Cedar Creek)

- 1 -Master Maintenance Electrician
- 1 -Master Maintenance Mechanic
- 2 -Maintenance Electrician
- 2 -Maintenance Mechanic

NOBLE L MARKS, JR
Maintenance Planner

PATRICK J ELDER
Maintenance Planner

JOHN R BROOKS
Process Supervisor-
Maintenance
(Hila Creek)

- 1 -Master Maintenance Electrician
- 2 -Master Maintenance Mechanic
- 2 -Maintenance Electrician
- 1 -Maintenance Mechanic

CHARLES B SPENCER
Process Supervisor-
Maintenance
(Cedar Creek)

- 1 -Maintenance Electrician
- 1 -Maintenance Mechanic
- 1 -Operator
- 2 -Operator-In-Training

DAREN S THOMPSON
Sewer Maintenance Supervisor

- 1 -Master Floodwall Maintenance Mechanic
- 2 -Floodwall Maintenance Electrician (1 vac.)
- 2 -Floodwall Maintenance Mechanic

KEVIN B SLAUGHTER
Maintenance Manager

MARC E THOMAS
Control Systems Supervisor

JOHN E BROWN
Control Systems Specialist

RONALD L SIMPSON
Control Systems Specialist

RUSSELL W KOPP
Control Systems Specialist

WAYNE W HOLCZLAW
Control Systems Technician

STEVEN G ROBBINS
Control Systems Technician

ROY R LYNN
Flood Protection & Technical
Manager

Information Technology Division Information Technology

DIVISION BUDGET STATUS	
Actual	65
Vacant	0
Authorized	65
Exempt	33
Non-Exempt	32
Unit	0
Total	65

BUDGET STATUS	
Actual	34
Vacant	0
Authorized	34
Exempt	22
Non-Exempt	12
Unit	0
Total	34

BRUCE R SEIGLE
Chief Information Officer

THERESA M DALY
Executive Secretary

PAT C KIRK
Customer Relations
Manager
See Page 18

JULIA B MULLER
Project Wm Info Mgmt
Administrator

DONALD W GOGGANS
Hansen/MDAS System
Manager

JUAN C LINARES
Applications Support
Administrator

DARRELL PARKS
WEST JR
Network/Tec Sup Adm

MARY CATHLEEN
MORRISON
Client/Operations
Support Supervisor

CURTIS R BYNUM
LOJIC Coordinator
See Page 19

JANICE M EARL
LOJIC Network/Systems
Coordinator
See Page 19

LOREN M LEVITZ
GIS Facilities Coordinator

JULIE S BUCKLER
GIS Applications &
Products Coordinator

ALEX F TALBOTT JR
GIS Services & Records
Coordinator

GAIL ELIZABETH
VOGEL
Applications Analyst

SALLY L SMITHER
Database Analyst

KAREN M CRAFT
PC Support Specialist

SHANNON LEIGH
CASASPRANCO
GIS Services & Records
Technician III

ERIC A ONEAL
Senior GIS Analyst

ROBIN L SHAW
GIS Services & Records
Technician III

GEORGE EDWARD
HAMMERBECK
Applications Analyst

CAROLE M GUNTLE
Database Analyst

JAMES W CROWDER
PC Support Specialist

STACY M PRITCHARD
GIS Services & Records
Technician III

ERIC NORMAN
WEIDNER
GIS Database Analyst

GEORGE E WISE
GIS Services & Records
Technician III

SAMEER V GHARE
Applications Analyst

JOHN L SCHULER
Network Analyst

SHELLA KAY NETTLES
PC Support Specialist

AARON M TOLLIVER
GIS Services & Records
Technician II

BARBARA U
MENDELBERG
GIS Services & Records
Technician III

JOHN A STUTTON
GIS Services & Records
Technician II

THOMAS J MULVHILL
Applications Analyst

ADRIAN E RAMEY
Network Analyst

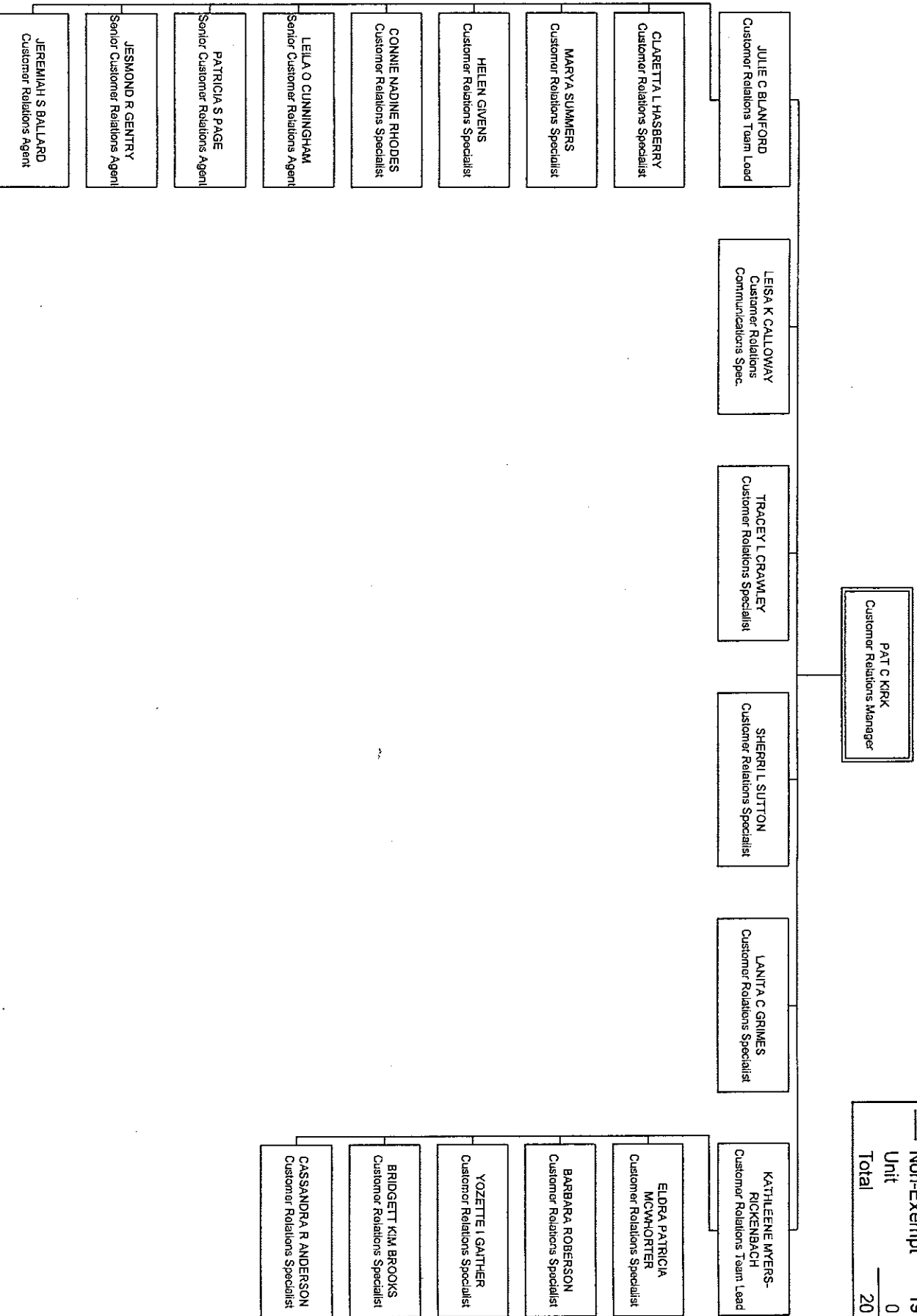
JOSEPH T WAGNER
GIS Services & Records
Technician II

LESLIE CAROL NEIDIG
Applications Analyst

DAVID W BROWN
Network Analyst

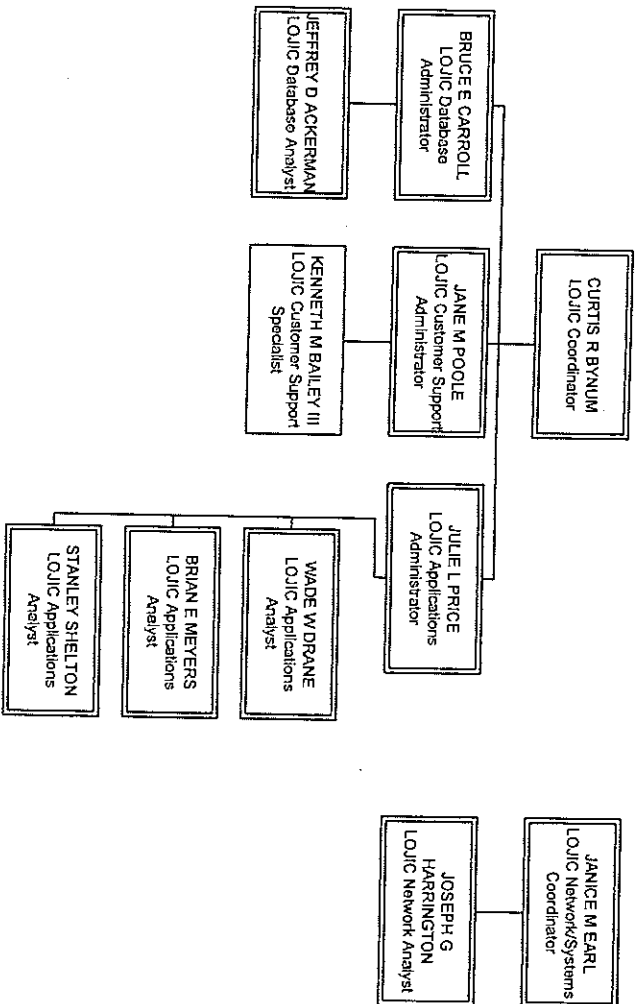
JOHN C WILLIAMSON
Network Specialist

Information Technology Division Customer Relations



BUDGET STATUS	
Actual	20
Vacant	0
Authorized	20
Exempt	1
Non-Exempt	19
Unit	0
Total	20

Information Technology Division LOJIC



BUDGET STATUS	
Actual	11
Vacant	0
Authorized	11
Exempt	10
Non-Exempt	1
Unit	0
Total	11



APPENDIX I – CSSA ANNUAL REPORT





Continuing Sewer System Assessment & Blockage Abatement Program

Fiscal Year 2010 Annual Report

Reporting Period: July 1, 2009, through June 30, 2010



Submitted To:

Kentucky Department of Environmental Protection
United States Environmental Protection Agency
United States Department of Justice

Submitted By:

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



Acronyms and Abbreviations

AAM	Advanced Asset Management
BAP	Blockage Abatement Program
CCTV	Closed-circuit television
CMOM	Capacity, Management, Operation and Maintenance
CSO	Combined Sewer Overflow
CSS	Combined Sewer System
CSSA	Continuing Sewer System Assessment
DISDW	Sewer Discharge during Dry Weather
DISREV	Rain Event related Sewer Discharge
GIS	Geographical Information System
GLPM	Gravity Line Preventive Maintenance Program
ICA	Interceptor Condition Assessment
IOAP	Integrated Overflow Abatement Plan
IT	Information Technology
IFP	Infrastructure and Flood Protection Division
I/I	Inflow and Infiltration
LOJIC	Louisville Jefferson County Information Consortium
LTCP	Long-Term Control Plan
MSD	Louisville and Jefferson County Metropolitan Sewer District
NMC	Nine Minimum Controls
QA/QC	Quality Assurance/Quality Control
PACP	Pipeline Assessment Certification Program
PM	Preventive Maintenance
PSC	Property Service Connection
RS	Regulatory Services
SCAP	System Capacity Assurance Plan
SMFTVI	Sewer Main Formula-based Television Inspection
SOP	Standard Operating Procedure
SSDP	Sanitary Sewer Discharge Plan
SORP	Sewer Overflow Response Plan
SSES	Sanitary Sewer Evaluation Study
SSO	Sanitary Sewer Overflow
TISCIT	Total Integrated Sonar and CCTV Inspection Technology
TM	Technical Memorandum
USI	Underground Sewers for Inspection (Walkable)

1. Introduction

The Louisville and Jefferson County Metropolitan Sewer District (MSD) is conducting an intensive sewer condition evaluation to comply with its federal Consent Decree as well as the Capacity, Management, Operations and Maintenance (CMOM) and Nine Minimum Control (NMC) programs. Through the Continuing Sewer System Assessment (CSSA) program, sewer infrastructure conditions are being assessed using a variety of desktop and field inspection techniques which include, but are not limited to, closed circuit television (CCTV), smoke testing, dye testing, visual manhole inspection, private property inspection and wet weather inspection.

Once inspection of a study area is complete, inspection data are evaluated through a pipe condition assessment process. A primary goal of evaluating infrastructure assets is to develop and implement maintenance and rehabilitation recommendations that reduce sewer overflows and improve the capacity, structural integrity and functionality of existing assets. The inspection and rehabilitation activities are carried out under MSD's CSSA program, while recurring maintenance activities are handled in the Blockage Abatement Program (BAP).

This report presents activities and accomplishments which have taken place under the mantle of these program initiatives during FY10, and indicates the next steps planned for these programs during FY11. Previous annual reports for FY08 and FY09 describe the general programmatic structure in more detail and can be referenced in the Project WIN Annual Reports posted here: <http://www.msdlouky.org/projectwin/docs.htm>.

1.1 Program Background

MSD is responsible for the operation and maintenance of the sewer system within the public right-of-way and dedicated easements in Jefferson County, Kentucky, in addition to small areas in several of the surrounding counties. The sanitary sewer collection system includes over 3,200 miles sewers ranging from 6 inches to 27.5 feet in diameter that was built between the late 1800's and present day. The construction materials consist of brick, clay, polyvinyl chloride (PVC), clay pipe, vitrified clay pipe (VCP) and reinforced concrete pipe (RCP). There are over 60,000 manholes in the system constructed of reinforced concrete and brick materials.

The CSSA and BAP focus on maintaining the conveyance capacities and integrity of these main line sewers, interceptors, and manholes in this collection system by addressing structural and operational defects, respectively. Stemming from CMOM M-E-9 Infrastructure Rehabilitation and S-C-1 Gravity Line Preventive Maintenance components as described in Table 3.2, the CSSA and BAP programs require a defined approach to prioritize, perform, and track the inspection, cleaning, rehabilitation, replacement, and maintenance of sewer assets on a consistent and prioritized cycle. The two programs are also intended to achieve compliance with Nine Minimum Controls (NMC) 1 and 2, which require the proper operation, regular maintenance, and maximum use of MSD's combined sewer system.

The CSSA program is an asset management program with the purpose of determining the functional and structural state of MSD's existing sewer assets, both combined and separate, and taking action to maintain or restore sewer capacity. Under this effort, all sewer mains will be inspected based on risk and other programmatic obligations. The inspection data is

captured in a normalized format allowing for the comparison of various segment conditions, which facilitates remedial action prioritization.

The BAP, a subsidiary program to the CSSA, encompasses sewer lines identified through the CSSA inspection as having recurring maintenance needs due to root blockages, sedimentation, or oil and grease deposits. This program tracks the segments with operational defects, sets up recurring work orders, assigns work to available resources, tracks progress and documents the work performed.

1.2 General Program Objectives

The program objectives of the CSSA Program include:

- Maintain the functional and structural integrity of the combined and separate sewer system assets.
- Prioritize annual inspection of at least 10% of sewer system infrastructure balancing various regulatory and operational program needs until the entire system has been inspected.
- Inspect sewer lines based on the CSSA priority using standard PACP defect coding criteria and catalog video in a library system.
- Capture inspection and rehabilitation data in a manner that facilitates prioritization of assets and defines inspection interval per asset.
- Address system defects that require immediate attention through in-house efforts or capital contract.
- Build a historical inspection and sewer video library to facilitate access and maintain a condition record of assets.
- Analyze sewer condition data consistently to identify segments and areas with actionable structural deficiencies, inflow and infiltration (I/I) sources, and maintenance issues.
- Prioritize segments that require rehabilitation or replacement through in-house efforts or bidding through capital budget priorities.
- Develop consistent recommendation packages that facilitate bidding of rehabilitation and maintenance work and the internal assignment of appropriate activities.
- Perform sewer repairs, rehabilitation, or replacement through in-house means or through capital projects.
- Document completed work in MSD's asset management system (Hansen).
- Periodically quantify the work completed and evaluate the various benefits realized from the program.
- Develop and apply inspection cycle schedules based on inspected sewer condition and criticality. Assign anticipated inspection cycles to sewer segments based on results.
- Paired with preventive maintenance, abate sewer overflows and service interruptions caused by structural failures while also removing I/I entering the system through manhole and pipe defects.

2. Sewer Assessment Progress

The following text summarizes CSSA activities performed during FY10.

- Inspected 543 miles of sanitary sewers in prioritized areas.
- Utilized standard PACP coding protocols and employed a standard QA/QC process to ensure deliverables meet a consistent and acceptable standard.
- Trained internal and contract staff on PACP coding and standards, bringing the total number of trained staff to 23. In addition, a refresher course was held for staff involved in CCTV inspections to standardize interpretation of defects and observation procedures.
- Consolidated internal and external CCTV videos and field inspection photographs and developed plans for storage of the more extensive video library as it grows in the future.
- Developed a plan for integration of videos within eB and the future direct integration with Hansen Version 8, after that migration project is completed.
- Initiated 17 Sanitary Sewer Evaluation Studies (SSES) involving CCTV, manhole inspection, smoke testing and private property inspection of 291 miles of sewer infrastructure.
- Performed Interceptor Condition Assessments (ICA) on 21.6 miles of interceptors including CCTV and manhole inspections. Refer to the table in Section 2.1.2.
- Performed CCTV inspection on an additional 330 miles of collection system sewers.
- Developed a condition assessment approach for evaluating sewers and prioritizing maintenance and rehabilitation. Tested the approach on eight inspection areas and generated recommendation packages.
- Developed a detailed guidance document presenting the methodology, decision model, and technical details of the condition assessment analysis.
- Installed the NezteK software to communicate with the Hansen system to facilitate data transfer for PACP TV inspections from the Hansen asset management system to remote inspection software and back.
- Implemented a standard data QA/QC methodology to ensure data consistency.
- Conducted a program meeting with the SSES vendors to outline data collection and transfer protocols for the various inspections associated with the SSES projects.

2.1 Sewer Assessment Methods & Projects

MSD developed a 3-pronged approach to gather asset inspection data. Using operational knowledge and various program drivers, MSD staff identified specific areas for in-depth Sanitary Sewer Evaluation Study (SSES), large interceptors for CCTV condition assessment and smaller collection system inspection areas. Inspection of sewers in these areas began in FY10 (refer to Attachment 1). A summary of the projects initiated during this period is provided below.

2.1.1 Sanitary Sewer Evaluation Studies

Sub-basins identified for SSES projects included areas where there were overarching reasons to identify the cause of specific sewer overflow, capacity and performance, or I/I problems. 17 SSES areas were identified for a total of 291 miles of sewer. SSES projects included not only CCTV but associated manhole inspections, smoke testing, private property and wet weather inspections. Specific data exchange protocols were developed and data is being captured in MSD's Hansen asset management system, once fully approved as a final product.

Table 1- Ongoing SSES Studies

Project	Linear Feet/ Miles	Number of Manholes	Project Selection Criteria
Camp Taylor	169,483 lf 32.1 mi	661	Integrated Overflow Abatement Plan Project Related
Lea Ann Way East	390,803 lf 74 mi	1892	Lea Ann Way Pump Station Operational Issues and the Integrated Overflow Abatement Plan
Lea Ann Way West	290,028 lf 54.9 mi	1273	Lea Ann Way Pump Station Operational Issues & the Integrated Overflow Abatement Plan
Lantana PS	3655 lf <1 mi	15	Integrated Overflow Abatement Plan Project Related
Prospect	121,816 lf 23 mi	588	Integrated Overflow Abatement Plan Project Related
Meadow Stream	195,054 lf 36.9 mi	952	Integrated Overflow Abatement Plan Project Related
Berrytown	30,563 lf 5.8 mi	147	Integrated Overflow Abatement Plan Project & Planned Plant Elimination
Lake Forest	118,246 lf 22.4 mi	616	Integrated Overflow Abatement Plan Project & Planned Plant Elimination
Starview PS	12,243 lf 2.3 mi	70	Integrated Overflow Abatement Plan Project & Planned Plant Elimination
Eden Care PS	4,628 lf <1 mi	25	Integrated Overflow Abatement Plan Project Related
Little Cedar Creek	114,577 lf 21 mi	577	Integrated Overflow Abatement Plan Project Related
Edsel PS	28,909 lf 5.5 mi	107	Integrated Overflow Abatement Plan Project Related
Cherokee Park	12,714 lf 2.4 mi	60	Integrated Overflow Abatement Plan Project Related
East Rockford PS	8361 lf 1.6 mi	34	Integrated Overflow Abatement Plan Project Related
Sonne PS	13,076 lf 2.5 mi	56	Integrated Overflow Abatement Plan Project Related

Hazelwood PS	11,461 lf 2.1 mi	60	Integrated Overflow Abatement Plan Project Related
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Most of the inspection work for these projects was completed during FY10, with a small percentage being completed in the first months of FY11. All final reports and rehabilitation recommendations for these areas will be submitted during FY11.

2.1.2 Interceptor Condition Assessment

For the third year, MSD contracted services to perform Interceptor Condition Assessment, which included CCTV and manhole inspection of 7 interceptors throughout the service area totaling 21.6 miles. The interceptors inspected during FY10 include the following:

Table 2 – Completed FY10 Interceptor Condition Assessments

Interceptor	Linear Feet/ Miles	Number of Manholes	Issues of Concern
Lea Ann Way	28,860 lf 5.5 mi	105	Integrated Overflow Abatement Plan Project Related
Camp Taylor	10,540 lf 2 mi	57	Integrated Overflow Abatement Plan Project Related
Ohio River (ORI)	23,102 lf 4.4 mi	32	Nine Minimum Control 1 & 2 Related & Sewer Criticality
Sneads Branch	11,940 lf 2.3 mi	22	Nine Minimum Control 1 & 2 Related & Sewer Criticality
Upper Dry Run	7,383 lf 1.5 mi	12	Nine Minimum Control 1 & 2 Related & Sewer Criticality
Mill Creek Trunk	21,295 lf 4 mi	14	Nine Minimum Control 1 & 2 Related & Sewer Criticality
Maple St Section 1	10,064 lf 1.9 mi	28	Nine Minimum Control 1 & 2 Related & Sewer Criticality

2.1.3 Collection System Sewer Assessment

During FY10, the Infrastructure and Flood Protection Division (IFP) reorganized some of its internal resources and also issued a multi-year contract for CCTV support to supplement internal Collection System Sewer Assessment services. This work primarily focuses on CCTV in 6” – 18” collector lines in sub-basin areas, although it can include lines up to 48” in diameter. No manhole inspections were accomplished as a part of this work. A pilot project to incorporate manhole inspections will occur in FY11.

Over this same period, IFP acquired new CCTV trucks and Flexidata software to improve response and performance to this aspect of their mission. New trucks and software were set up and deployed during FY10 and the full impact of these new assets will be seen during FY11.

Three trucks are now primarily dedicated to CSSA CCTV work, with the remaining 4 trucks dedicated to customer request response and maintenance crew support. In addition, each

CSSA CCTV truck is now coupled with a dedicated flusher truck, so that cleaning is a more timely and responsive aspect of their condition assessment activities.

Sub-basins that were completed as a part of the Collection System Sewer Assessment include the following:

Table 3 – Completed FY10 Collection System Assessment Areas

Sub-Basin	Linear Feet/Miles	Internal/Contracted
MFA Middle Fork	80,582 lf/ 15.3 mi	Internal
MFD Middle Fork	81,498 lf/ 15.5 mi	Internal
PCX Pond Creek & Caven PS	106,610 lf/ 21.2 mi	Internal
Hillridge Private System	47,506 lf/ 9 mi	Internal
CCD Cedar Creek	109,424 lf/ 21 mi	Internal
JTA Jeffersontown + Interceptor	88,280 lf/ 16.7 mi	Contracted
HCB Hite Creek	164,858 lf/ 31.2 mi	Contracted
HCD Hite Creek	107,413 lf/ 20.3 mi	Contracted
MCB Shively	205,257 lf/ 38.9 mi	Contracted
MCC Shively	129,593 lf/ 24.5 mi	Contracted
MCE Shively	130,194 lf/ 24.7 mi	Contracted
MCF Shively	177,021 lf/ 33.5 mi	Contracted
MFF Middle Fork	147,524 lf/ 28 mi	Contracted
CSF Combined System	242,546 lf/ 46 mi	Contracted

2.2 Training and Support Services

During FY10, a major effort was undertaken to ensure that all key internal and external staff were trained on PACP coding and protocols, and that QA/QC and other data normalization processes were in place to ensure consistency in field interpretation and data collection.

A third PACP training was held at MSD, provided by Rod Thornhill, a NASSCO certified trainer, which resulted in ten (10) additional people trained – 4 from MSD, 3 in-house consultants and 3 SSES contractors. Following this training class, a refresher course was held for all previously certified MSD staff and contractors. During this training, consistency of coding and interpretation were stressed, discussing specific conditions prevalent in MSD’s system. This brings the total number of MSD staff certified in PACP to 23, and verifies that affiliated contract staff have been certified.

MSD also follows NASSCO PACP Quality Control Standards for QA/QC of all inspection deliverables, whether part of an SSES project, ICA or collection system assessment. Ten percent of every deliverable undergoes an independent review by a PACP certified reviewer using a standard review process. Selected surveys are printed, and both the header and the

observations data are graded for accuracy and completeness. The reviewer looks at the video and the completed inspection and notes any missed observations or deficiencies. A final score is calculated based on the total number of possible entries and the errors noted. Protocols for inspection data QA/QC can be found in Attachment 2.

Based on the accuracy level achieved, the deliverable is categorized relative to its acceptance. Each of the categories has prescribed post review action items for the contractor and the reviewer to ensure that the data is corrected and reviewed a second time. Reviewed deliverables fall into one of the following categories.

- Satisfactory Review, No changes required. Accuracy Level of 90% or above and no major errors or omissions found.
- Satisfactory Review, Minor changes required. Accuracy Level between 80-90% with minor errors and omissions that need to be corrected.
- Unsatisfactory Review, Changes required. Accuracy Level below 80% with minor errors and omissions that need to be corrected.
- Unsatisfactory Review, Major changes required. Accuracy Level below 80% with major errors and omissions that need to be corrected throughout the submission.
- Review Failed, Re-inspection required. Videos are not clear enough to accurately audit the inspection.

Deliverables must ultimately reach the first category to be accepted by MSD. Once a deliverable is accepted, the data is imported into the Hansen information system, which is the master repository for all asset-related data at MSD. Any subsequent analysis of this data utilizes reports and exports derived from this master database.

A project to upgrade Hansen Version 7 to Hansen Version 8 was begun during FY10 and is scheduled to take eighteen (18) months to complete. Hansen 7 was not designed to be PACP certified, but Hansen 8 has already received PACP certification. All data generated by these efforts will be migrated to Hansen 8 over the next year, bringing analysis and results up to national standard.

2.3 CSSA Manhole and Pipe Assessment Analysis

To proactively address current and upcoming infrastructure issues, a detailed decision framework has been developed including inspection, assessment, prioritization, mapping, and remediation activities (including maintenance and/or rehabilitation).

For the sewer assessment program, the decision framework steps are to inspect, evaluate, report and implement in a continuous cycle, as illustrated to the right.

- Inspection is conducting manhole and pipe surveys of field conditions to document defects according to standardized Pipe Assessment Certification Program (PACP) methods.
- Evaluation is reviewing the field surveys for major defects, and recommending remediation activities, if needed.
- Reporting is presenting recommended activities in a report with cost estimates, maps and a description of the required remediation effort.
- Implementation is carrying the recommendations through construction. The implementation step includes producing bid documents and tracking remediation activities.

The assessment process does not conclude with implementation, but with defining an inspection cycle to continue to monitor and assess the infrastructure. A findings report is developed for each study area including a summary of the area and issues present, rehabilitation or remediation and maintenance recommendations, cost estimates, maps, bid documents, and a determination of the future inspection interval. The findings report provides the foundation and guidance for future maintenance and rehabilitation activities including cost estimates and mapping of repairs and locations.

A vetted manhole and pipe assessment guidance document was developed, which can be found in Attachment 3 – Manhole and Pipeline Assessment Guide. This document presents the methodology followed to consistently complete the sewer infrastructure assessment analysis on several focus areas and develop the recommended remediation activities, both maintenance and rehabilitation. A sample of the assessment product and recommendations is also included.

2.4 Inspection Areas Evaluated for Maintenance and Rehabilitation

The following areas were evaluated in FY10 and used to refine the condition assessment and recommendation process. In FY11, MSD will continue to assess inspection areas and generate maintenance and rehabilitation recommendations for focus areas. The FY10 areas will be prioritized and the highest priority projects will be advertised for bid.

Table 4 – FY10 Inspection Areas Evaluated for Remedial Actions

Interceptor/Area	Pipe Length	Estimated Cost of Recommendations
Beargrass Interceptor	9.2 m	\$2,581,756
Camp Taylor Interceptor	2.4 m	\$2,398,408
Jeffersontown Interceptor	3 m	\$399,233
Lower Middle Fork Interceptor	3 m	\$2,943,874
Sinking Fork Interceptor	1.5 m	\$1,836,328
St Matthews Interceptor	1.7 m	\$276,004
Jeffersontown Collection System	13.1 m	\$1,832,779
Caven PS Collection System	4.6 m	\$138,034

3. Blockage Abatement Program

MSD is currently defining the procedures and protocols of its BAP, which will initiate routine maintenance on those sewer lines exhibiting operational or maintenance related defect conditions as they are found through the CSSA inspection program.

This program is an advancement of the gravity line preventive maintenance that MSD has implemented over the years. Maintenance activities related to this program include re-inspection, flushing and vactoring, root cutting, grease removal, and long-term rehabilitation assessment. Consistent, periodic preventive maintenance of the sewer system to maximize asset life and minimize overflows, property damage and health risks is the primary goal of the program.

The BAP consists of the following elements:

- Defining the BAP program activities
- Developing the internal, interdivisional team
- Defining asset qualification and selection criteria
- Selecting the qualifying assets from inspection areas
- Defining asset-specific maintenance cycles
- Assessing internal resource capabilities
- Procuring supplemental resources
- Assigning resources to specific maintenance activities
- Tracking activities through completion
- Implementing maintenance activities
- Managing activity and work order data
- Re-inspecting assets and tracking new condition
- Assessing assets for permanent maintenance defect remedies
- Documenting and reporting progress

MSD currently performs condition-driven maintenance activities on portions of the sewer system, along with a large amount of reactive maintenance and rehabilitation due to customer service calls and field review. As the 3,200-mile system is inspected through the CSSA program, MSD will use the BAP to expand its condition-driven maintenance to address those sewers demonstrating a need to be in the program. This program expansion requires planning and resources to execute effectively. Over time, the segments in the program will be reviewed to determine if the maintenance need can be remediated to eliminate the recurring maintenance activity.

In FY10, MSD achieved the following:

- Approved the contract to for chemical root treatment services
- Performed chemical root treatment on 111,600 feet of sewer main
- Performed sewer flushing on 7,600 line segments, cleaning on 3,900 segments and root cutting on 1,600 line segments.

4. Upcoming Program Activities

In FY11, an aggressive approach will continue to implement inspection, analysis, maintenance, and rehabilitation activities.

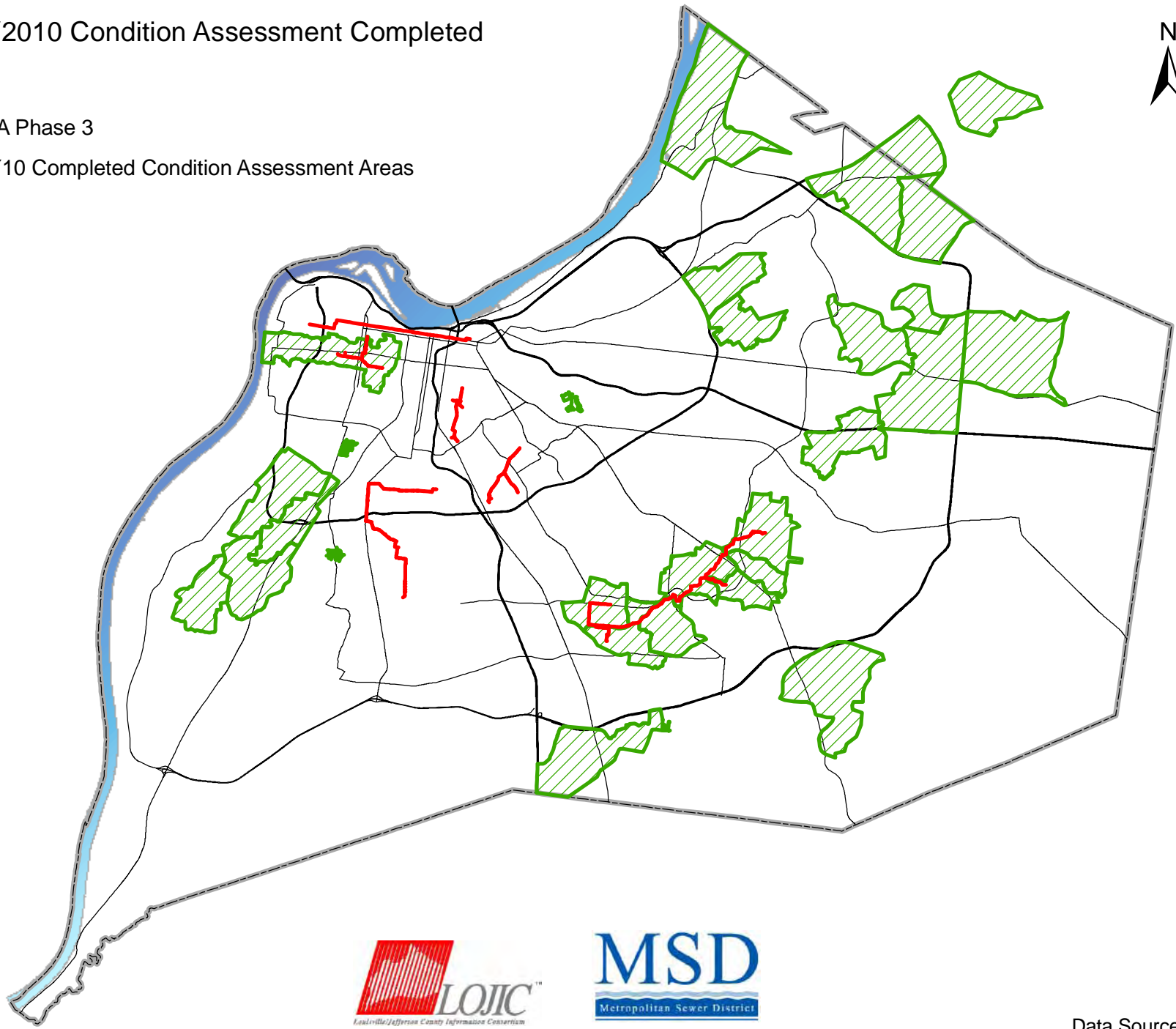
- Over 550 miles of sewer have been targeted for inspection during FY11 – refer to the FY11 targeted area map in Attachment 4.
- Twenty one (21) sub-basin areas have been prioritized for condition assessment, with at least six of those areas slated for SSES, as denoted on the attachment referred to above.
- Eight (8) interceptors and the remaining USI sewers have been identified for ICA Phase 4.
- Results and recommendations from the FY10 SSES projects will be delivered, reviewed and prioritized for attention.
- Rehabilitation and maintenance work will be developed using analytical recommendations from FY10 and previous years' inspection data.
- Advertise bid packages for the highest priority rehabilitation projects.
- Refine data management and bidding processes to better facilitate and manage the rehabilitation and maintenance effort using internal and external resources.
- Refine work tracking process for standardized capacity credit and accountability mechanisms are in place throughout the organization for consistent reporting.
- Utilize recently purchased CCTV trucks and Flexidata software to increase upgrading capacity and performance of internal resources.
- Develop pilot manhole inspection protocols for non-SSES areas to enhance available field data for priority assessment.
- Refine probability and consequence of failure curves based on FY10 inspection and data analysis efforts, which will be integrated into ongoing asset management efforts, including inspection life cycles.
- Distribute draft internal analysis processes and procedures to a wider audience of stakeholders and refine based on feedback.
- Broaden internal and external recurring maintenance capabilities and more specifically define the Blockage Abatement Program.
- Focus on developing BAP implementation procedures and qualifying condition criteria and test the process in two pilot areas that have been inspected and run through the condition assessment and prioritization process. Following this effort, MSD will begin to expand the program to incorporate all qualifying sewer segments into the program as they are inspected and discovered in the CSSA program.
- Strengthen and enhance internal condition data analysis will using additional risk factors such as probability and consequence of failure in an asset specific context.

As MSD progresses in these efforts, regular updates will continue to be included in quarterly and annual reporting. Quarterly reports will include project-specific progress on inspection, maintenance and rehabilitation efforts. Annual reports will continue to include programmatic updates on progress, refinements, and upcoming efforts.

Attachment 1
FY2010 Inspection Areas

FY2010 Condition Assessment Completed

- ICA Phase 3
- FY10 Completed Condition Assessment Areas



Data Source: LOJIC

Attachment 2

Inspection Data QA/QC Protocols



MSD Television Inspection QA/QC Procedures for SSES Firms Version 0.1

Overview

As part of the Continuing Sewer System Assessment (CSSA) program MSD has committed to assess 100% of the MSD collection system over the next 10 years. One of the key objectives of the CSSA program is to annually inspect 10% of MSD's sewer lines using the standard PACP defect coding criteria. The Sanitary Sewer Evaluation Studies (SSES) are a major part of the overall CSSA program. MSD will require a QA/QC deliverable from all SSES firms/contractors performing television inspection (TVI) services. This document outlines a process for Quality Assurance and Quality Control of the TVI data. **MSD requires that 10% of all TVI data undergo an independent review by a PACP certified reviewer using the process outlined in this document.**

MSD will utilize the NAASCO standards for Television Inspection of Main Sewer and PACP Quality Control as the basis for the QA/QC procedures. The Television Inspection standards provide the details of how an inspection is to be performed and the Quality Control standard provides a method for scoring the accuracy level of an inspection record. The Quality Control procedure recommends auditing at least 5% of all inspections performed, MSD is requiring a 10% review as a deliverable from all SSES firms. In addition to the NAASCO auditing standards this document describes the process for categorizing audit results and procedures for correcting and re-reviewing non-satisfactory data.

Initial Review Stage

Since the CSSA Program and PACP inspections are in the early stages of implementation it is very important to initially audit all contractors and MSD operators frequently to promote consistency and proper coding habits across all operators performing inspections for MSD. The initial review of teleinspection data from contractors and MSD crew members will consist of reviewing, at a minimum, 20 of the first 100 PACP inspection records submitted. Subsequent reviews will be based on the results of the initial reviews as explained in the following section. In the future all new contractors and MSD operators who begin PACP coding after this initial review stage will be subject to the same 20% review after completing their first 100 inspections.

Auditing Procedures

As explained in the attached NASSCO PACP Quality Control Standards each audited inspection record is given an accuracy level for the header information and the detailed observation records (see figures below). To assess the accuracy level of the header record the number of errors is compared to the total number of header fields using the following formula. It is expected that the accuracy of the header record exceed 90% since the majority of the contents are based upon facts and not subject to operator judgment.

$$100\% - (\text{error count}/\text{total number of header fields}) * 100\% = \text{Header Accuracy Level}$$



Determining the accuracy level for the detailed observation records is similar to the method for assessing the header record. The main difference being that a defect observation has multiple data entries that must also be counted towards the total number of entry fields. In the event that a defect is not coded all of the required entries for coding the missed defect are counted towards the total error count. The following formula is used to calculate the accuracy level of the detailed observation records.

$$100\% - (\text{error count}/\text{total number of required entries}) * 100\% = \text{Observation Detail Accuracy Level}$$

Figure 1 – Formula Based Inspection Record in Hansen

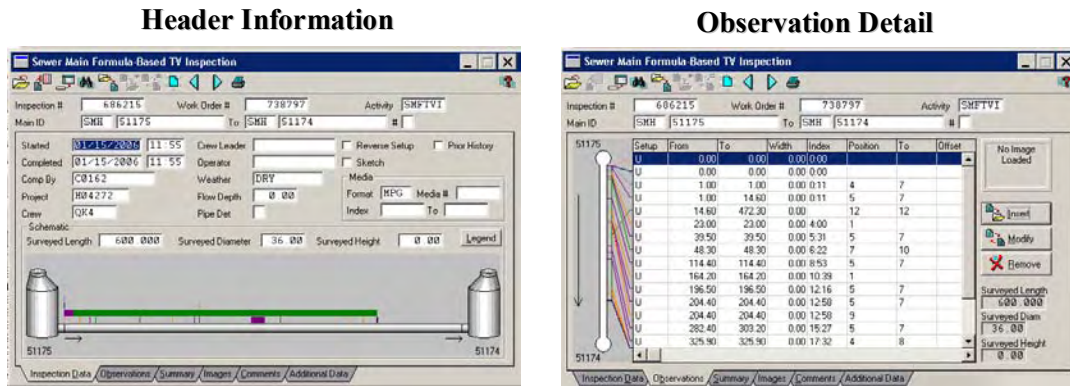


Figure 2 – Formula Based Inspection Report from Hansen

Metro Info, Development & Asset System for Louisville Metro & MSD		Sewer Main Formula-Based TV Inspection Detail			
Report Date: 08/03/2009 03:35 PM		Submitted By:		Page 1	
Inspection # From ID	686215 SMH 51175	Work Order # To SMH	738797 51174	Activity	SMFTVI SEWER FORMULA TV INSPECTION
Started	01/15/2006 11:55	Crew Leader		Reverse Setup	<input type="checkbox"/>
Completed	01/15/2006 11:55	Operator		Sketch	<input type="checkbox"/>
Comp By	C0162	Weather	DRY	Media	
Project	H04272	Flow Depth	0.00	Format	MPG
Crew	QK4	Pipe Det		Index	To
Surveyed Length	600.00	Surveyed Diam	36.00	Surveyed Height	0.00
Comments: No Comments					
Observations:					
Position	51175	Setup	U	From	0.00
Position		To		To	0.00
Observation	AMH	Access Point	MAN-HOLE	Measurement	5.000
Degree/Severity				Rating	0.0000
Degree/Severity				Grouted	N
Position		Setup	U	From	0.00
Position		To		To	0.00
Observation	MWL	MISC WATER LEVEL		Measurement	80.000
Degree/Severity				Rating	0.0000
Degree/Severity				Grouted	N
Position		Setup	U	From	1.00
Position		To		To	1.00
Observation	CB8	OBSTACLE/STRICT BRICK OR MASONRY		Measurement	20.000
Degree/Severity	03	FAIR-MODERATE DEFECTS		Rating	3.0000
Comments		Stone (Inq)		Grouted	N
Position		Setup	U	From	1.00
Position		To		To	14.60
Observation	DSF	DEPOSITS SETTLED FINE		Measurement	5.000
Degree/Severity	02	GOOD-NO DETERIORATION YET		Rating	2.0000
Degree/Severity				Grouted	N
Position		Setup	U	From	14.60
Position		To		To	472.30
Observation	RF	ROOTS FINE		Measurement	0.000
Degree/Severity	01	EXCELLENT-MINOR DEFECTS		Rating	1.0000
Comments		Joint: Clocks vary		Grouted	N
Position		Setup	U	From	23.00
Position		To		To	23.00
Observation	TF	TAP FACTORY		Measurement	8.000
Degree/Severity				Rating	0.0000
Comments		Possible		Grouted	N
Position		Setup	U	From	39.50
Position		To		To	39.50
Observation	DSC	DEPOSITS SETTLED HARD/COMPACT		Measurement	10.000
Degree/Severity	02	GOOD-NO DETERIORATION YET		Rating	2.0000
Degree/Severity				Grouted	N
Position		Setup	U	From	48.30
Position		To		To	48.30
Observation	RM	ROOTS MEDIUM		Measurement	10.000
Degree/Severity	03	FAIR-MODERATE DEFECTS		Rating	3.0000
Comments		Joint		Grouted	N

← Header Information

← Observation Detail



MSD Television Inspection QA/QC Procedures for SSES Firms Version 0.1

Review Scoring and Results

Using the auditing procedure explained above each set of inspection data under review is given a total accuracy level for both the Header Information and the Observation Detail. Based on the accuracy levels and audit findings the review is placed in one of the categories listed below. Each category lists post-review action items for the Contractor/Operator and the Reviewer to ensure the data is corrected and re-reviewed. The Contractor/Operator is responsible for correcting data as necessary and the Reviewer is responsible for reviewing resubmitted data and review of subsequent submittals.

Satisfactory Review, No changes required. Accuracy Level of 90% or above for both the Header Record and Observation Detail with no major errors or omissions found.

Contractor/Operator Actions: None, continue coding as before.

Reviewer Actions: Review 10% of subsequent data submittals from contractor or MSD operator.

Satisfactory Review, Minor changes required. Accuracy Level of Header Record below 90% and/or accuracy level of the Observation Detail above 80% with minor errors or omissions that need to be corrected.

Contractor/Operator Actions: Reviews QA/QC findings and corrects items noted in the report. Checks entire submittal for similar errors before correcting and resubmitting data.

Review Actions: Review resubmitted data to ensure errors and omissions have been fully addressed. Review 10% of subsequent submittals until the contractor or operator reaches the Satisfactory, No changes required level.

Un-satisfactory Review, Changes required. Accuracy Level of the Observation Detail below 80% with minor errors or omissions that need to be corrected.

Contractor/Operator Actions: Reviews QA/QC findings and corrects items noted in the report. Checks entire submittal for similar errors before correcting and resubmitting data.

Review Actions: Review resubmitted data to ensure errors and omissions have been fully addressed. Review 20% of next 100 inspection records submitted by the contractor or MSD operator. Subsequent reviews determined by results of 20% review.

Un-satisfactory Review, Major changes required. Accuracy Level of the Observation Detail below 80% with major errors or omissions that need to be corrected throughout the submittal.

Contractor/Operator Actions: Entire submittal must be reviewed by contractor/operator and resubmitted with notation of all corrections made to the inspection data.

Review Actions: Review resubmitted data to ensure errors and omissions have been fully addressed. Re-review 20% of resubmitted inspection data and 20% of next 100 new inspection records submitted by the contractor /operator. Subsequent reviews determined by results of 20% review of new inspections.

Review Failed, Re-inspection required. Videos were not clear enough to accurately audit the inspection. Please read the following section for video requirements.

Contractor/Operator Actions: Line segments denoted as review failed must be re-inspected and new video file(s) delivered.

Review Actions: Review resubmitted video files to ensure video quality is adequate for review. Continue audit of entire inspection data set.



MSD Television Inspection QA/QC Procedures for SSES Firms Version 0.1

Video Requirements

Video records of the inspection shall meet the *Specification for Television Inspection Main Sewer* provided by NASSCO. In order to perform a proper QA/QC review the following requirements must be followed. If these requirements are not met the inspection will be failed and re-inspection will be required.

- Video for the entire inspection must be submitted.
- Lighting for the camera shall be suitable to allow a clear picture of the entire periphery of the pipe.
- The camera shall be moved through the line in either direction at a moderate rate, stopping when necessary to permit proper documentation of the sewer's conditions. In no case will the television camera be pulled at a speed greater than 30 feet per minute.
- The video must contain a text reading of the distance measurement from the access point within the nearest 1/10 of a foot and the to and from manhole IDs. If the inspection equipment allows for the defects to be displayed on the video as they are recorded this is preferred.
- Media should be properly labeled. When submitting DVD media the contractor/operator name, date, and a list of pipe segments recorded must be clearly marked on the DVD. When submitting digital files each pipe segment inspection must be a separate file named using the upstream and downstream access point IDs (UpstreamNode_DownstreamNode.xxx).

Tracking of Audit Results

MSD will produce quarterly reports showing the accuracy levels of all inspection records audited for each of the contractors and MSD operators. MSD will use this to assist in developing targeted training and other activities to promote consistency and proper coding habits across all operators performing PACP inspections for MSD.



PACP Teleinspection Data QA/QC Review

Project Area:		Jeffersontown			QA/QC By:		Marconi			Header Results:		100%	
Operator:		ABC Contractor			Records:		175			Detail Results:		84%	
Submittal Date:		4/15/2010			QC Total:		20						
QC Date:		5/20/2010			QC %:		11%						
Section No.	Ups MH	Dwn MH	Errors	Records	Accuracy	Errors	Records	Accuracy	Comments				
6	00380	00381	0	14	100%	23	41	44%	Video is fuzzy and off-color, small defects would be imposible to see.				
7	00380	00379	0	14	100%	27	51	47%	From 30' - 33.7' camera points at wheel				
20	00385	00386	0	14	100%	24	44	45%	Lining looks to be placed over some kind of obstruction. Grease defects not noted.				
28	00419	00420	0	14	100%	12	27	56%	Deformation not noted.				
51	00432	00425	0	14	100%	3	26	88%					
56	00440	00440-ST	0	14	100%	4	26	85%					
76	00186	00187	0	14	100%	43	116	63%	Roots not noted.				
103	00441	00436	0	14	100%	0	17	100%	Can't see first 3.5 (approx ft of pipe) due to camera not being centered before proceeding into pipe segment				
121	00191	00190	0	14	100%	1	51	98%					
131	00199	00200	0	14	100%	4	61	93%	Missed defect (363.2 ft FC 3-5 o'clock @ Joint				
135	100562	100563	0	14	100%	0	17	100%					
143	48558	48559	0	14	100%	1	51	98%	Not panning entire defect				
150	48569	48567	0	14	100%	4	35	89%	TFD miscoded as TFA				
154	48572	48572-ST	0	14	100%	0	22	100%					
164	48581	48582	0	14	100%	0	21	100%					
169	91935	103693	0	14	100%	0	17	100%	Footage counter not calibrated to 0 before inspection. Overlay will show 7.5 ft initially until reaching 6.6 ft in pipe				
197	48563	48563-ST	0	14	100%	0	13	100%	Footage counter at 6.0 ft until camera reaches actual 6 ft mark				
200	48561	48562	0	14	100%	1	36	97%	Footage counter not zero at beginning of inspection				

HEADED 100%
14/14

Surveyed by (Operator) ROBNSN Contract no. Job no. Drainage area FN Div. Yr Rnwd Pipe segment reference 00306X
 Date 09/18/09 Time Location - Road name BERRYTOWN Location - City Louisville Rim to grade 5.73 Grade to Inv RD Rim to Inv
 Start manhole no. 00305 Rim to grade 6.72 x Size 8 Shape C Certificate No. U-030-244 Finish manhole no. 00306 Pipe length 300.9 Total length 298.0 Length Surveyed 298 Survey Customer Year laid
 Use SS Direction U Size (dia) 8 Material VCP System Owner Louisville Survey Customer Year laid ROBINSON1
 Video recording Index no. 160909_1 Cleaned J Flow Control Comments - general
 Purpose Cat. Pre-cleaning Weather J Loc. code BE Further location details ENGLISH STATION RD/HINES RD

MPEG time	Photo no.	Distance (ft)	Cont. def.	Letters	Code	W	N	Diameter / Dimension	Clock at / to	Intrusion %	mm	Numbers	Remarks
00:00:4	135_1A	0.0			AMH			6"	03	5			
00:01:3		0.0			MWL			6"	09				
00:03:2	135_3A	48.6			TFA			6"	03				
00:04:3	135_4A	72.9			TFA			6"	09				
00:06:0	135_5A	108.5			TFA			6"	03				
00:07:3	135_6A	152.8			TFA			6"	09				
00:09:5	135_7A	207.4			TFA			6"	09				
00:10:4	135_8A	208.4			RFJ			6"	09-03				
00:13:0	135_9A	292.1			TFA			6"	03				
00:14:4	135_10	298.0			AMH								
	A												

$\frac{5}{45} = 0.111$
 $\frac{45}{45} = 1.0$
 288.1 RFJ 3-9

Attachment 3

Manhole and Pipeline Assessment Guidelines

Executive Summary and Product Sample

2010
DRAFT

Continuing Sewer System Assessment

MANHOLE AND PIPE ASSESSMENT GUIDE



Executive Summary
Louisville and Jefferson County
Metropolitan Sewer District
12/31/2010



EXECUTIVE SUMMARY

“Maintenance is something you do that nobody notices until you don't do it.” - Unknown Author

“Don't find fault, find a remedy.” -Henry Ford

Louisville and Jefferson County Metropolitan Sewer District (MSD) is undergoing a proactive, intensive pipe and manhole condition assessment over the next ten years in compliance with their Consent Decree. The assessment intent is to complete a system wide study to provide sewer rehabilitation and maintenance recommendations. The study goals are listed below.

- Determine asset conditions
- Recommend maintenance and rehabilitation activities
- Prioritize maintenance and rehabilitation activities
- Recommend inspection intervals
- Address sewer overflows and maintain system capacity
- Document Continuing Sewer System Assessment (CSSA) inspection, maintenance, and rehabilitation activities

This guidance document serves as a reference to conduct sewer infrastructure assessments. The intended reader is anyone interested in the MSD process utilized to assess and prioritize sewer infrastructure maintenance and rehabilitation.

THE CHALLENGE

In the Louisville Metro area, the sewer infrastructure dates back to the 1800's. It is a vast sewer network which conveys wastewater to treatment centers. As with any structure, age has impacts on the functionality. Current sewer infrastructure conditions range from functioning as intended to structurally degraded. The worst case scenario is a major catastrophic event, such as a pipe collapse in a high traffic area or near a waterway. The challenge is to identify, assess, and prioritize the sewer infrastructure assets to minimize the risk of a disaster.

THE SOLUTION

To proactively address current and upcoming infrastructure issues, a detailed decision framework has been developed including inspection, assessment, prioritization, mapping, and remediation activities (remediation activities include maintenance and/or rehabilitation). It is important to document the decision framework to maintain consistency for current and future assessment efforts.

THE DECISION FRAMEWORK

For the sewer assessment program, the decision framework steps are to inspect, evaluate, report and implement, as illustrated to the right. Details regarding the assessment process are found in the CSSA Manhole and Pipe Assessment Guide. Inspection is conducting manhole and pipe surveys of field conditions to document defects according to standardized Pipeline Assessment and Certification Program (PACP) methods and is discussed in Chapter 1. Evaluation is reviewing the field surveys for major defects, and recommending remediation activities, if needed. Evaluation criteria are discussed in Chapter 2. Reporting is presenting any recommended activities in a formal report with cost estimates and a description of the remediation effort. An example of a findings report can be found in Attachment 1. Implementation is carrying out the recommendations to construction. The implementation step includes producing bid documents and tracking remediation activities. The assessment process does not conclude with implementation, but with defining an inspection cycle to continue to monitor and assess the infrastructure. Thus, the cycle continues.



OUTCOME

The outcomes of this assessment process are a vetted manhole and pipe assessment guidance document, a findings report for each study area, bid documents, maintenance recommendations, determination of inspection intervals and a GIS database of recommendations. The findings report, as seen in Attachment 1, provides a foundation for maintenance and rehabilitation activities including bid documents, cost estimates and mapping of repair locations. Additional benefits are the communication between divisions about current maintenance activities and rehabilitation concerns. The outcome establishes the methodology followed to complete the sewer infrastructure assessment and recommended remediation activities.



**Manhole and Pipe Assessment Guide
Continuing Sewer System Assessment
2010 DRAFT
Executive Summary**

Attachment 1

Beargrass Interceptor Recommendations



Beargrass Creek Interceptor 60%

ICA Phase I 2006, H09239-\$186,000

Introduction

Beargrass Creek Interceptor is located near the intersection of Bardstown Road and I-264. In 2006, the condition of the interceptor and manholes were inspected according to PACP standards. A total of 48,325 linear feet and 143 manholes were included in the evaluation. Interceptor was installed from 1932-1942. Beargrass Relief was installed 1966-1977. The pipe material is mainly RCP (other materials are CON, PVC and VCP), and diameter range from 27 to 48 inch. Following the guidance outlined in the CSSA Strategy, recommendations for sewer rehabilitation were made based on inspections defects, photos/video of defects, GIS data, history of maintenance and identified hydraulic concerns.

Regulatory Requirements

- CMOM, M-E-9 Infrastructure Rehabilitation
- NMC, 1 Proper operation and regular maintenance programs for the sewer system and CSOs
- Consent Decree Project Date: IAOP Project Beargrass Creek Interceptor Phase II 12/31/2010

Recommendation

Rehabilitation recommendations are described in Table 1. The Hikes Lane Interceptor (HLI) will be constructed by the end of 2012. The HLI will connect to the BGI and a small segment of pipe will be abandoned. Recommendations for abandoned pipe were limited to cleaning activities.

Manhole Rehabilitation	Quantity	Unit	Pipe Rehabilitation	Quantity	Unit
chimney seal, yard, EA	33	EA	heavy cleaning, LF	8,404	LF
chimney seal, asphalt, EA	1	EA	medium cleaning, LF	8,829	LF
lining, VF	577	VF	point repair, yard, LF	42	LF
locate & raise, asphalt, EA	11	EA	point repair, asphalt, LF	9	LF
locate & raise, yard, EA	35	EA	cipp, 27 in., LF	235	LF
realign frame, asphalt, EA	1	EA	cipp, 30 in., LF	537	LF
realign rings, asphalt, EA	1	EA	cipp, 33 in., LF	2,864	LF
water-tight frame & lid, asphalt, EA	11	EA	cipp, 48 in., LF	573	LF
restoration, asphalt, CY	59	CY	tophats, EA	14	EA

Table 1 Beargrass Interceptor Rehabilitation Recommendations Summary

Costs

The cost to install all recommended pipe and sewer rehabilitation projects including a 25% contingency is \$2.58 million. The estimated SCAP credits are 1.7 million credits. The cost to credits ratio is 1.5. See Table 2 for a cost per rehabilitation activity breakdown.

Rehabilitation Activity	Costs
Cleaning	\$27,317.05
Pipe Replacement & Slipline	\$1,819,074.00
Point Repair	\$239,956.00
Manhole Rehabilitation	\$306,209.30
Subtotal	\$2,161,674.56
Contingency* (25%)	\$540,418.64
TOTAL	\$2,702,093.21
SCAP Credits**	2,304,244
Cost/Credit Ratio	1.17

Table 2 Beargrass Interceptor Rehabilitation Cost Summary

Re-evaluation Period

It is recommended to reinspect pipe as a pre and post construction activity of all rehabilitation efforts. Due to the pipe material and conditions, the re-evaluation period shall be 5 years after post construction evaluation.

Appendix

- Appendix A Beargrass Interceptor Recommended Rehabilitation Costs
- Appendix B Beargrass Interceptor Overview Maps
- Appendix C Beargrass Interceptor Recommended Pipe Rehabilitation Maps
- Appendix D Beargrass Interceptor Recommended Manhole Rehabilitation Maps

Appendix A Cost Estimates Beargrass Creek Interceptor

Beargrass Creek Interceptor Rehabilitation Cost Estimates

Date: 8/30/2010
 IOAP Drainage Basin: Southeast Division, Combined
 Line Analyzed: 48,325 LF
 Manholes Analyzed: 143 MH

Manhole Rehabilitation	Quantity	Unit Cost	Unit	Price
chimney seal, yard	33	\$400.00	EA	\$13,200.00
chimney seal, asphalt	1	\$400.00	EA	\$400.00
lining	577	\$400.00	VF	\$230,896.00
locate & raise, asphalt	11	\$800.00	EA	\$8,800.00
locate & raise, yard	35	\$400.00	EA	\$14,000.00
realign frame, asphalt	1	\$900.00	EA	\$900.00
realign rings, asphalt	1	\$400.00	EA	\$400.00
water-tight frame & lid, asphalt	11	\$175.00	EA	\$1,925.00
restoration, asphalt	59	\$600.00	CY	\$35,688.30

Pipe Rehabilitation	Quantity	Unit Cost	Unit	Price
heavy cleaning	8,404	\$2.20	LF	\$18,488.43
medium cleaning	8,829	\$1.00	LF	\$8,828.62
point repair, yard	42	\$130.00	LF	\$5,460.00
point repair, asphalt	9	\$400.00	LF	\$3,600.00
cipp, 27 in.	235	\$400.00	LF	\$94,000.00
cipp, 30 in.	537	\$400.00	LF	\$214,948.00
cipp, 33 in.	2,864	\$400.00	LF	\$1,145,476.00
cipp, 48 in.	573	\$600.00	LF	\$343,650.00
tophats	14	\$1,500.00	EA	\$21,000.00
restoration, asphalt	1	\$16.00	CY	\$14.22

Cleaning	\$27,317.05
Pipe Replacement & Slipline	\$1,819,074.00
Point Repair	\$239,956.00
Manhole Rehabilitation	\$306,209.30
Subtotal	\$2,161,674.56
Contingency* (25%)	\$540,418.64
TOTAL	\$2,702,093.21
SCAP Credits**	2,304,244
Cost/Credit Ratio	1.17

* Contingency includes costs to mobilize, demobilize and pump arounds.
 ** Credits Calculated based on Credit tool

Appendix A Cost Estimates
Beargrass Creek Interceptor

Beargrass Creek Interceptor Rehabilitation Cost Estimates, High Priority

Date: 8/30/2010
 IOAP Drainage Basin: Southeast Division, Combined
 Line Analyzed: 19,599 LF
 Manholes Analyzed: 132 MH

Manhole Rehabilitation	Quantity	Unit Cost	Unit	Price
chimney seal, yard	32	\$400.00	EA	\$12,800.00
chimney seal, asphalt	1	\$400.00	EA	\$400.00
lining	577	\$400.00	VF	\$230,896.00
locate & raise, asphalt	11	\$800.00	EA	\$8,800.00
locate & raise, yard	35	\$400.00	EA	\$14,000.00
realign frame, asphalt	1	\$900.00	EA	\$900.00
realign rings, asphalt	1	\$400.00	EA	\$400.00
water-tight frame & lid, asphalt	10	\$175.00	EA	\$1,750.00
water-tight frame & lid, yard	84	\$800.00	EA	\$67,200.00
restoration, asphalt	61	\$600.00	CY	\$36,399.41

Pipe Rehabilitation	Quantity	Unit Cost	Unit	Price
heavy cleaning	999	\$2.20	LF	\$2,198.57
medium cleaning	726	\$1.00	LF	\$726.24
point repair, yard	41	\$130.00	LF	\$5,330.00
point repair, asphalt	6	\$400.00	LF	\$2,400.00
cipp, 27 in.	235	\$400.00	LF	\$94,000.00
cipp, 30 in.	537	\$400.00	LF	\$214,948.00
cipp, 33 in.	2864	\$400.00	LF	\$1,145,476.00
cipp, 48 in.	573	\$600.00	LF	\$343,650.00
tophats	14	\$1,500.00	EA	\$21,000.00
restoration, yard	46	\$4.00	SY	\$182.22
restoration, asphalt	1	\$16.00	CY	\$9.48

Subtotal	\$2,203,465.92
Contingency* (25%)	\$550,866.48
TOTAL	\$2,754,332.40
SCAP Credits**	2,286,708
Cost/Credit Ratio	0.96

* Contingency includes costs to mobilize, demobilize and pump arounds.
 ** Credits Calculated based on Credit tool

Appendix A Cost Estimates
Beargrass Creek Interceptor

Beargrass Creek Interceptor Rehabilitation Cost Estimates, Medium Priority

Date: 8/30/2010
 IOAP Drainage Basin: Southeast Division, Combined
 Line Analyzed: 13,568 LF
 Manholes Analyzed: 8 MH

Manhole Rehabilitation	Quantity	Unit Cost	Unit	Price
chimney seal, yard	1	\$400.00	EA	\$400.00
water-tight frame & lid, asphalt	1	\$175.00	EA	\$175.00
water-tight frame & lid, yard	7	\$800.00	EA	\$5,600.00
restoration, asphalt	0	\$600.00	CY	\$59.26

Pipe Rehabilitation	Quantity	Unit Cost	Unit	Price
heavy cleaning	7,257	\$2.20	LF	\$15,965.16
medium cleaning	726	\$1.00	LF	\$726.24
point repair, yard	1	\$130.00	LF	\$130.00
point repair, asphalt	3	\$400.00	LF	\$1,200.00
restoration, yard	1	\$4.00	SY	\$4.44
restoration, asphalt	0	\$16.00	CY	\$4.74

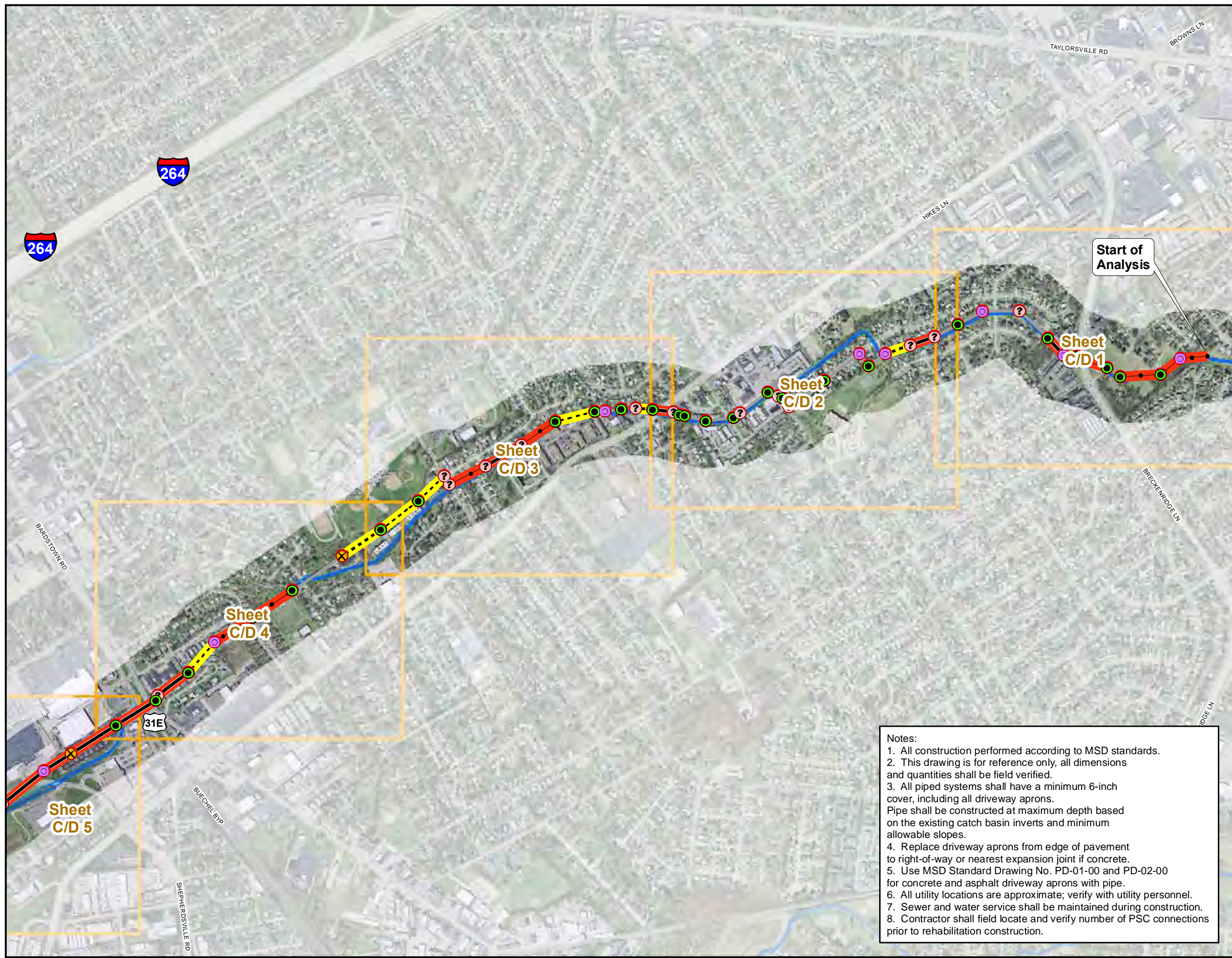
Subtotal	\$24,264.84
Contingency* (25%)	\$6,066.21
TOTAL	\$30,331.05
SCAP Credits**	32,832
Cost/Credit Ratio	0.92

* Contingency includes costs to mobilize, demobilize and pump arounds.
 ** Credits Calculated based on Credit tool

Beargrass Interceptor

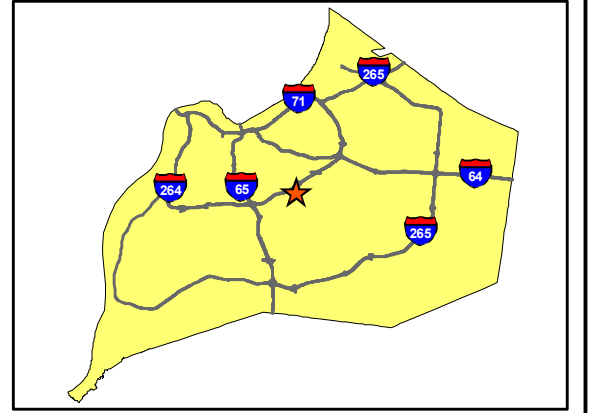
Appendix B.1 : Recommended Rehabilitation Overview

60% Map



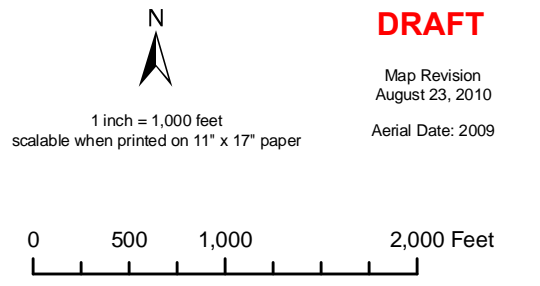
Legend

Manhole Assessment		Pipe Assessment	
○	no action	—	cipp
⊗	chimney seal	- - -	heavy cleaning
●	lining	- · - ·	medium cleaning
⊙	locate & raise	—	no action
⊗	realign rings	●	point repair
⊙	water-tight frame & lid		PRIORITY
		●	high
		●	medium
		—	Major Stream
		□	Appendix Map



Notes:

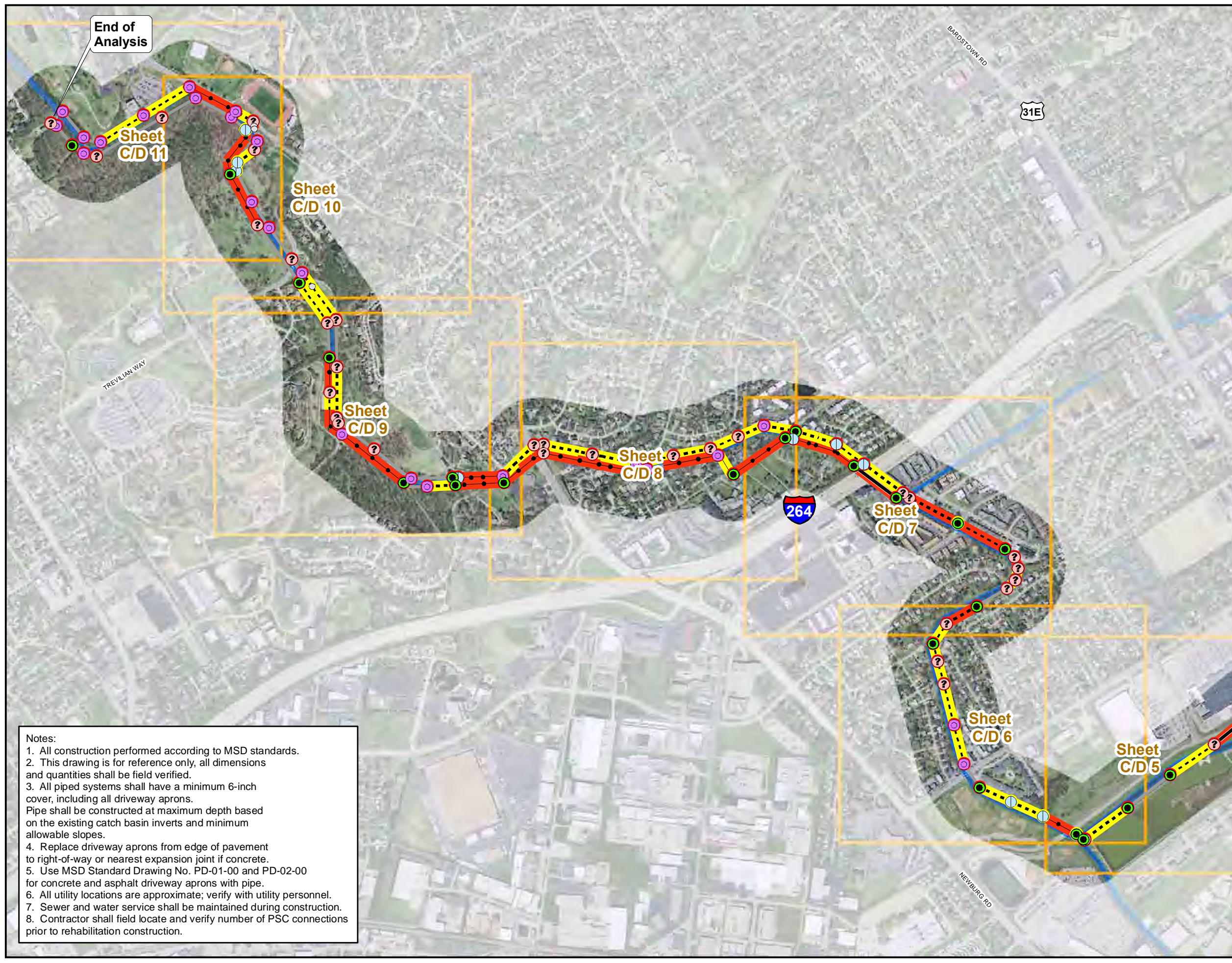
1. All construction performed according to MSD standards.
2. This drawing is for reference only, all dimensions and quantities shall be field verified.
3. All piped systems shall have a minimum 6-inch cover, including all driveway aprons. Pipe shall be constructed at maximum depth based on the existing catch basin inverts and minimum allowable slopes.
4. Replace driveway aprons from edge of pavement to right-of-way or nearest expansion joint if concrete.
5. Use MSD Standard Drawing No. PD-01-00 and PD-02-00 for concrete and asphalt driveway aprons with pipe.
6. All utility locations are approximate; verify with utility personnel.
7. Sewer and water service shall be maintained during construction.
8. Contractor shall field locate and verify number of PSC connections prior to rehabilitation construction.



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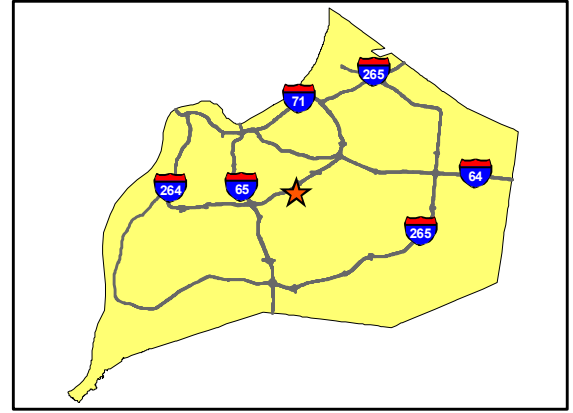
Beargrass Interceptor

Appendix B.2 : Recommended Rehabilitation Overview 60% Map



Legend

Manhole Assessment		Pipe Assessment	
○	no action	—	cipp
⊗	chimney seal	- - -	heavy cleaning
⊙	lining	- · - · -	medium cleaning
⊕	locate & raise	—	no action
⊗	realign rings	●	point repair
⊕	water-tight frame & lid	PRIORITY	
PRIORITY		■	high
●	high	■	medium
●	medium	—	Major Stream
		□	Appendix Map



- Notes:
1. All construction performed according to MSD standards.
 2. This drawing is for reference only, all dimensions and quantities shall be field verified.
 3. All piped systems shall have a minimum 6-inch cover, including all driveway aprons. Pipe shall be constructed at maximum depth based on the existing catch basin inverts and minimum allowable slopes.
 4. Replace driveway aprons from edge of pavement to right-of-way or nearest expansion joint if concrete.
 5. Use MSD Standard Drawing No. PD-01-00 and PD-02-00 for concrete and asphalt driveway aprons with pipe.
 6. All utility locations are approximate; verify with utility personnel.
 7. Sewer and water service shall be maintained during construction.
 8. Contractor shall field locate and verify number of PSC connections prior to rehabilitation construction.

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Map Revision
August 23, 2010
Aerial Date: 2009

1 inch = 1,000 feet
scalable when printed on 11" x 17" paper

0 500 1,000 2,000 Feet



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Beargrass Interceptor

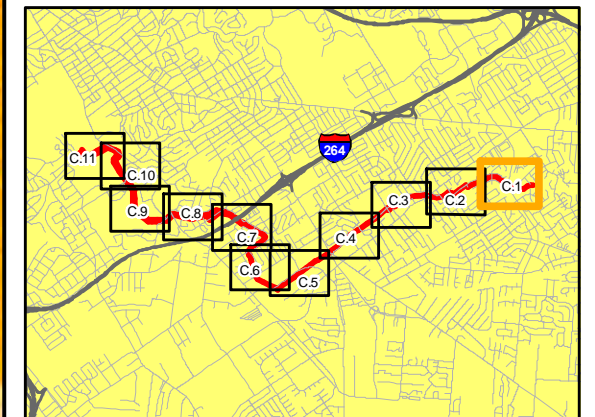
Appendix C.1 : Recommended Pipe Rehabilitation 60% Map

Legend

Pipe Assessment

- cipp
 - - - heavy cleaning
 - - - medium cleaning
 - no action
 - point repair
- PRIORITY**
- high
 - medium
 - Manhole
 - Major Stream
 - Sewer Main

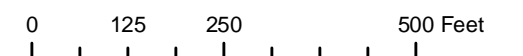
* point repair distance from field assessed upstream manhole



DRAFT

1 inch = 250 feet
scalable when printed on 11" x 17" paper

Map Revision
August 23, 2010
Aerial Date: 2009



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Beargrass Interceptor

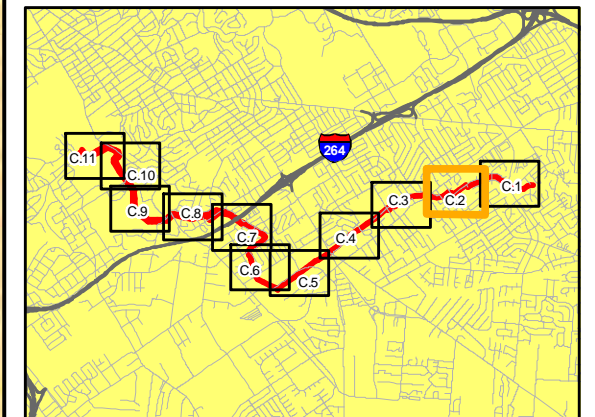
Appendix C.2 : Recommended Pipe Rehabilitation 60% Map

Legend

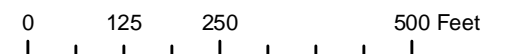
Pipe Assessment

- cipp
 - - - heavy cleaning
 - · - · medium cleaning
 - no action
 - point repair
- PRIORITY**
- high
 - medium
 - Manhole
 - Major Stream
 - Sewer Main

* point repair distance from field assessed upstream manhole



1 inch = 250 feet
scalable when printed on 11" x 17" paper



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Map Revision
August 23, 2010
Aerial Date: 2009



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Beargrass Interceptor

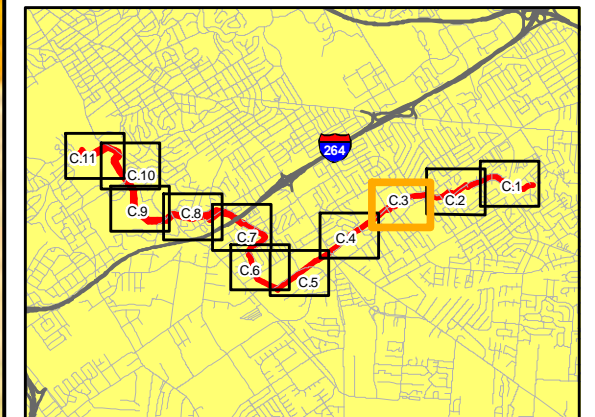
Appendix C.3 : Recommended Pipe Rehabilitation 60% Map

Legend

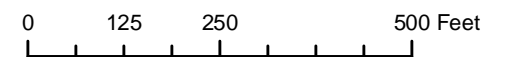
Pipe Assessment

- cipp
 - - - heavy cleaning
 - · - · medium cleaning
 - no action
 - point repair
- PRIORITY**
- high
 - medium
 - Manhole
 - Major Stream
 - Sewer Main

* point repair distance from field assessed upstream manhole



1 inch = 250 feet
scalable when printed on 11" x 17" paper



DRAFT

Map Revision
August 23, 2010
Aerial Date: 2009



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Beargrass Interceptor

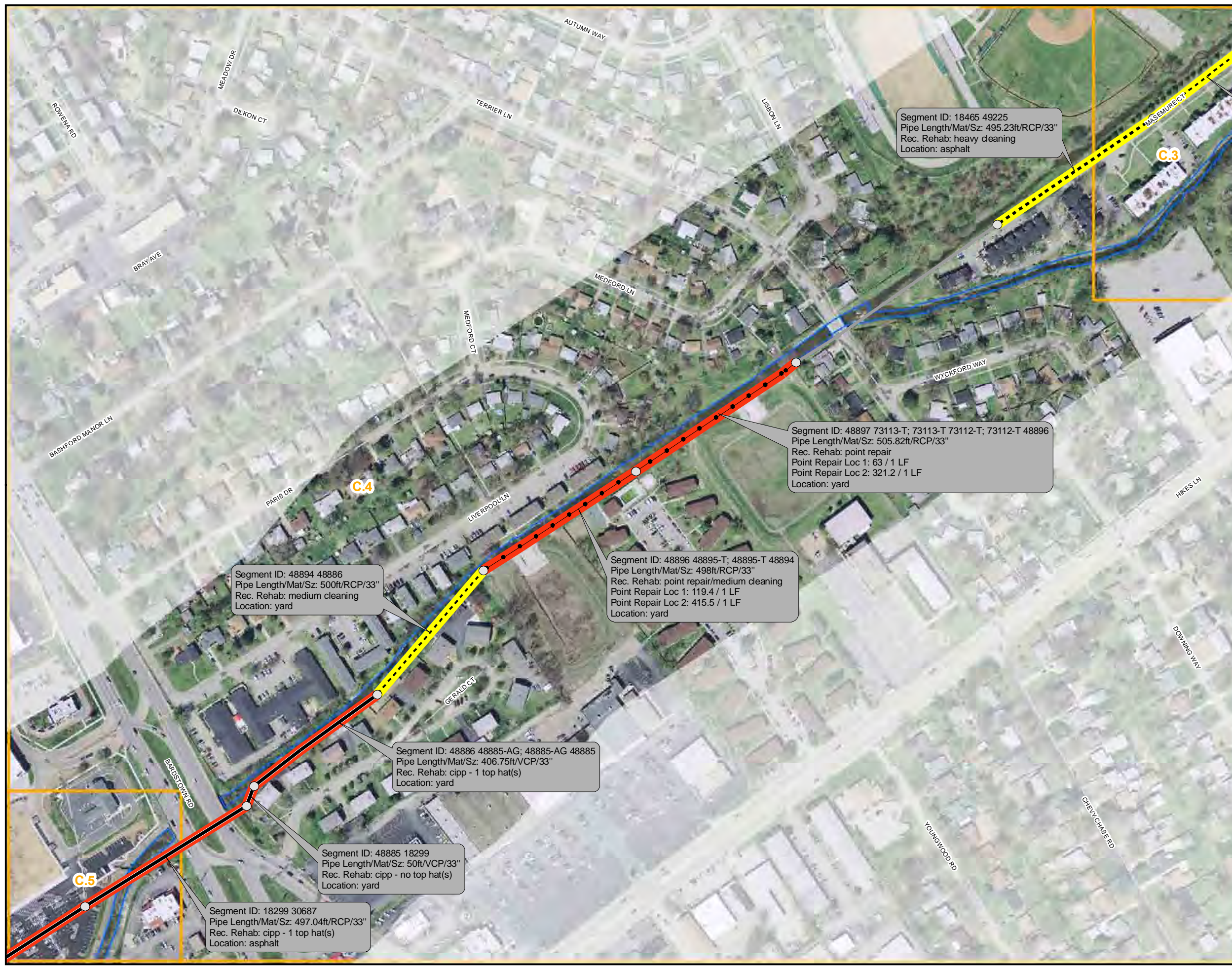
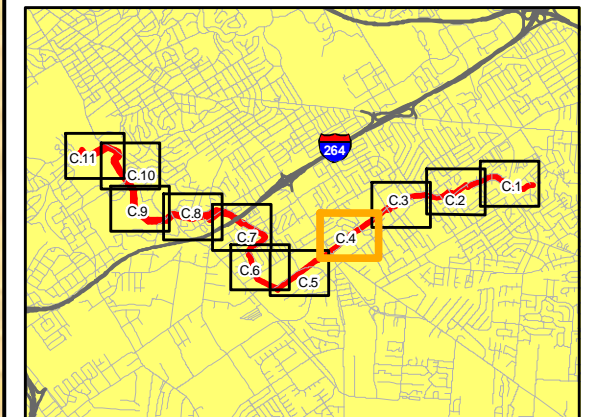
Appendix C.4 : Recommended Pipe Rehabilitation 60% Map

Legend

Pipe Assessment

- cipp
 - - - heavy cleaning
 - · - · medium cleaning
 - no action
 - point repair
- PRIORITY**
- high
 - medium
 - Manhole
 - Major Stream
 - Sewer Main

* point repair distance from field assessed upstream manhole



Segment ID: 18465 49225
Pipe Length/Mat/Sz: 495.23ft/RCP/33"
Rec. Rehab: heavy cleaning
Location: asphalt

Segment ID: 48897 73113-T; 73113-T 73112-T; 73112-T 48896
Pipe Length/Mat/Sz: 505.82ft/RCP/33"
Rec. Rehab: point repair
Point Repair Loc 1: 63 / 1 LF
Point Repair Loc 2: 321.2 / 1 LF
Location: yard

Segment ID: 48896 48895-T; 48895-T 48894
Pipe Length/Mat/Sz: 498ft/RCP/33"
Rec. Rehab: point repair/medium cleaning
Point Repair Loc 1: 119.4 / 1 LF
Point Repair Loc 2: 415.5 / 1 LF
Location: yard

Segment ID: 48894 48886
Pipe Length/Mat/Sz: 500ft/RCP/33"
Rec. Rehab: medium cleaning
Location: yard

Segment ID: 48886 48885-AG; 48885-AG 48885
Pipe Length/Mat/Sz: 406.75ft/VCP/33"
Rec. Rehab: cipp - 1 top hat(s)
Location: yard

Segment ID: 48885 18299
Pipe Length/Mat/Sz: 50ft/VCP/33"
Rec. Rehab: cipp - no top hat(s)
Location: yard

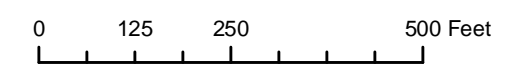
Segment ID: 18299 30687
Pipe Length/Mat/Sz: 497.04ft/RCP/33"
Rec. Rehab: cipp - 1 top hat(s)
Location: asphalt



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1 inch = 250 feet
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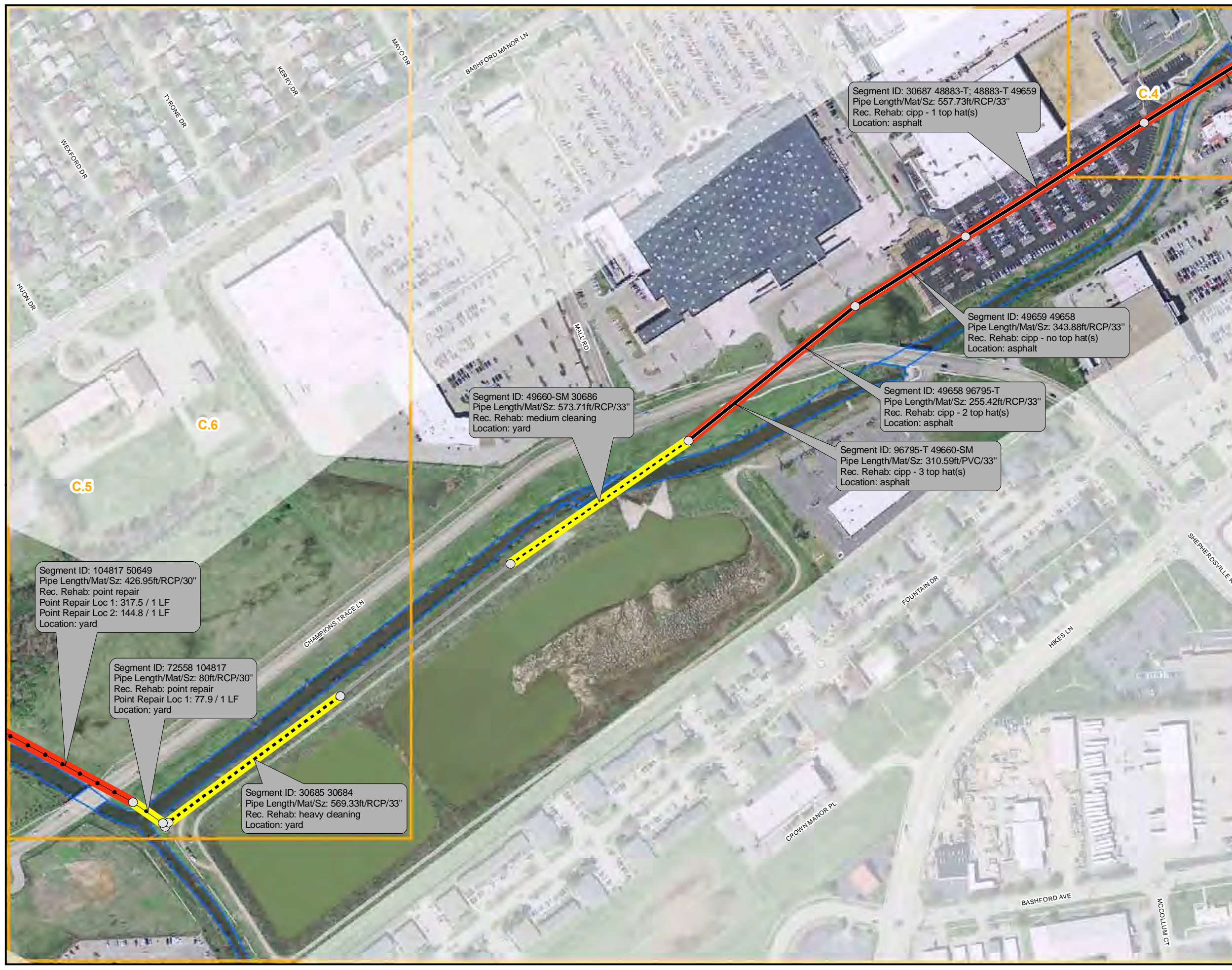
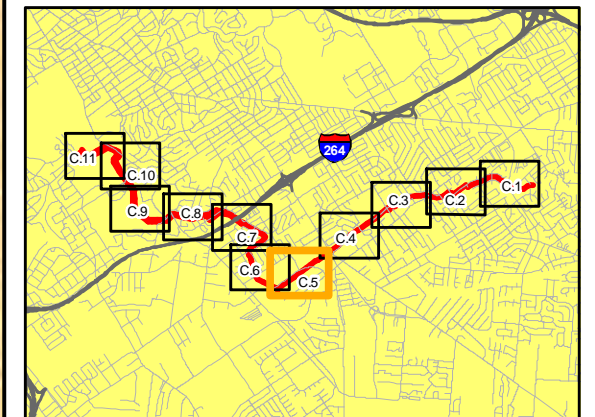
Appendix C.5 : Recommended Pipe Rehabilitation 60% Map

Legend

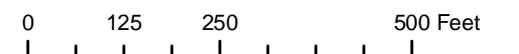
Pipe Assessment

- cipp
 - - - heavy cleaning
 - - - medium cleaning
 - no action
 - point repair
- PRIORITY**
- high
 - medium
 - Manhole
 - Major Stream
 - Sewer Main

* point repair distance from field assessed upstream manhole



1 inch = 250 feet
scalable when printed on 11" x 17" paper



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Beargrass Interceptor

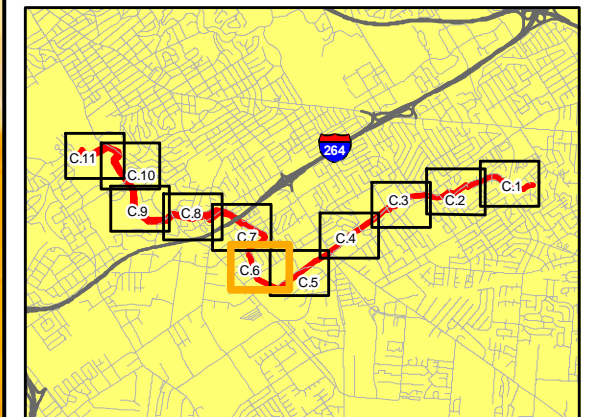
Appendix C.6 : Recommended Pipe Rehabilitation 60% Map

Legend

Pipe Assessment

- cipp
 - - - heavy cleaning
 - · - · medium cleaning
 - no action
 - point repair
- PRIORITY**
- high
 - medium
 - Manhole
 - Major Stream
 - Sewer Main

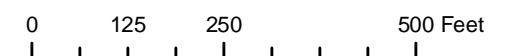
* point repair distance from field assessed upstream manhole



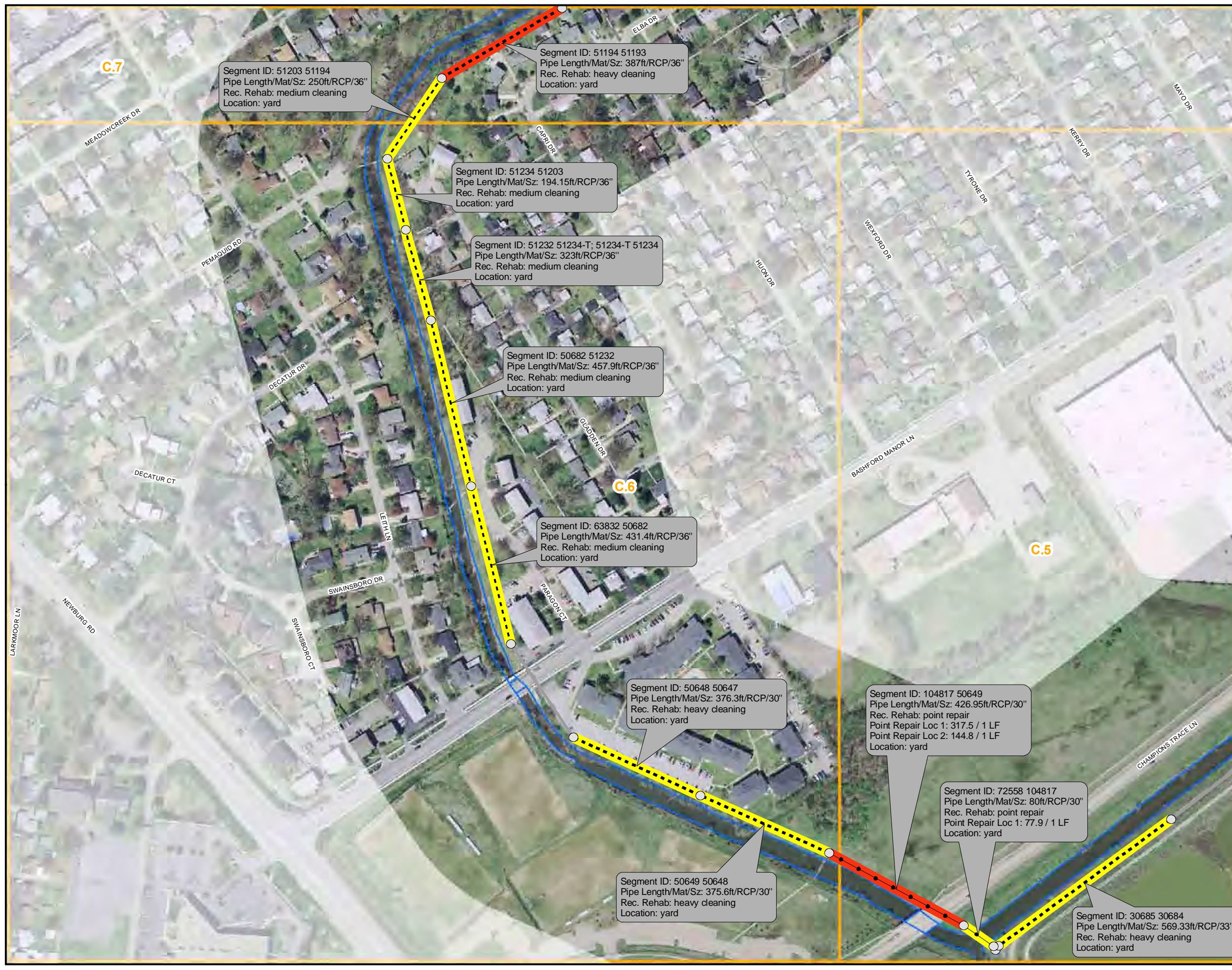
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Beargrass Interceptor

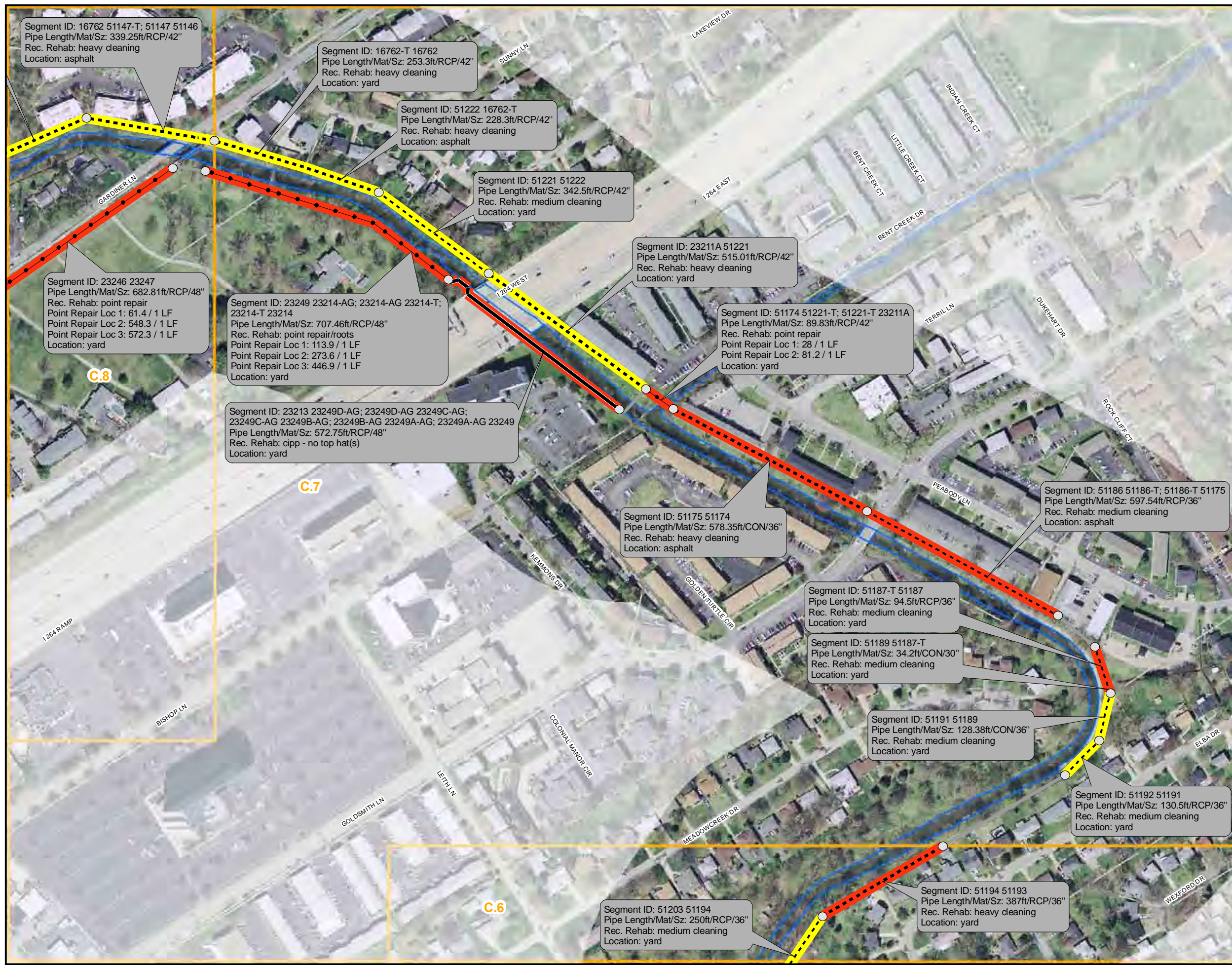
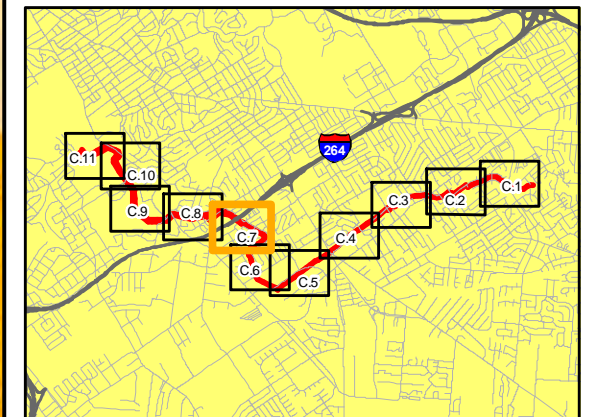
Appendix C.7 : Recommended Pipe Rehabilitation 60% Map

Legend

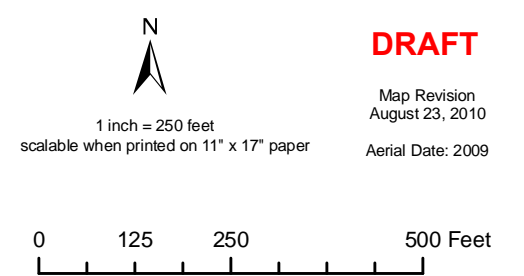
Pipe Assessment

- cipp
 - - - heavy cleaning
 - · - · medium cleaning
 - no action
 - point repair
- PRIORITY**
- high
 - medium
 - Manhole
 - Major Stream
 - Sewer Main

* point repair distance from field assessed upstream manhole



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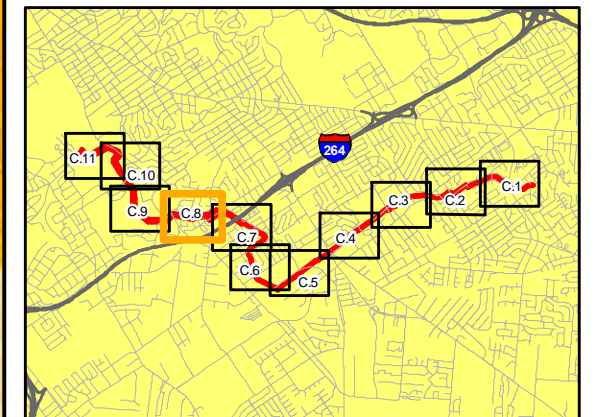
Appendix C.8 : Recommended Pipe Rehabilitation 60% Map

Legend

Pipe Assessment

- cipp
 - - - heavy cleaning
 - · - · medium cleaning
 - no action
 - point repair
- PRIORITY**
- high
 - medium
 - Manhole
 - Major Stream
 - Sewer Main

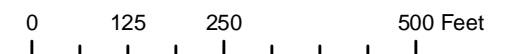
* point repair distance from field assessed upstream manhole



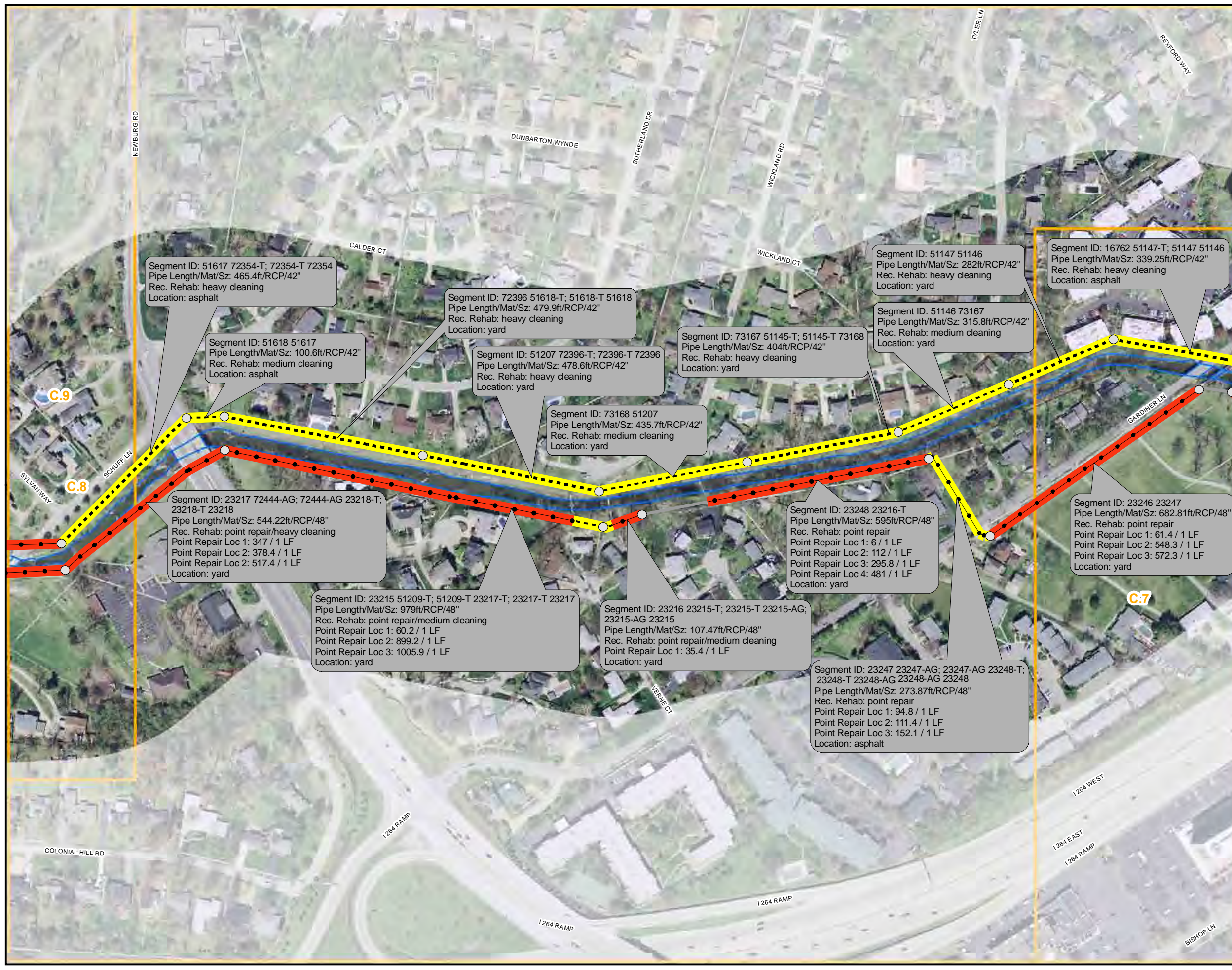
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Beargrass Interceptor

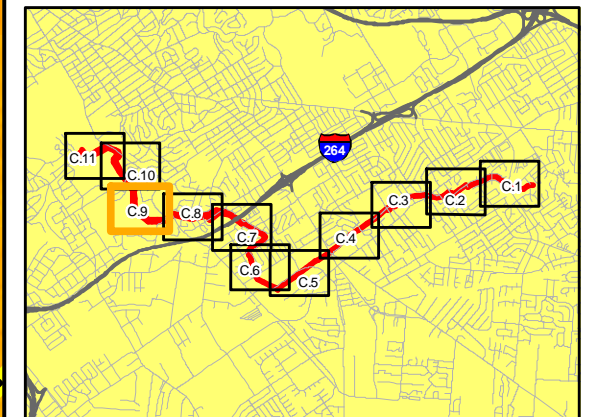
Appendix C.9 : Recommended Pipe Rehabilitation 60% Map

Legend

Pipe Assessment

- cipp
 - - - heavy cleaning
 - · - · medium cleaning
 - no action
 - point repair
- PRIORITY**
- high
 - medium
- Manhole
 - Major Stream
 - Sewer Main

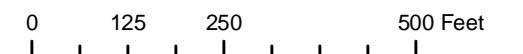
* point repair distance from field assessed upstream manhole



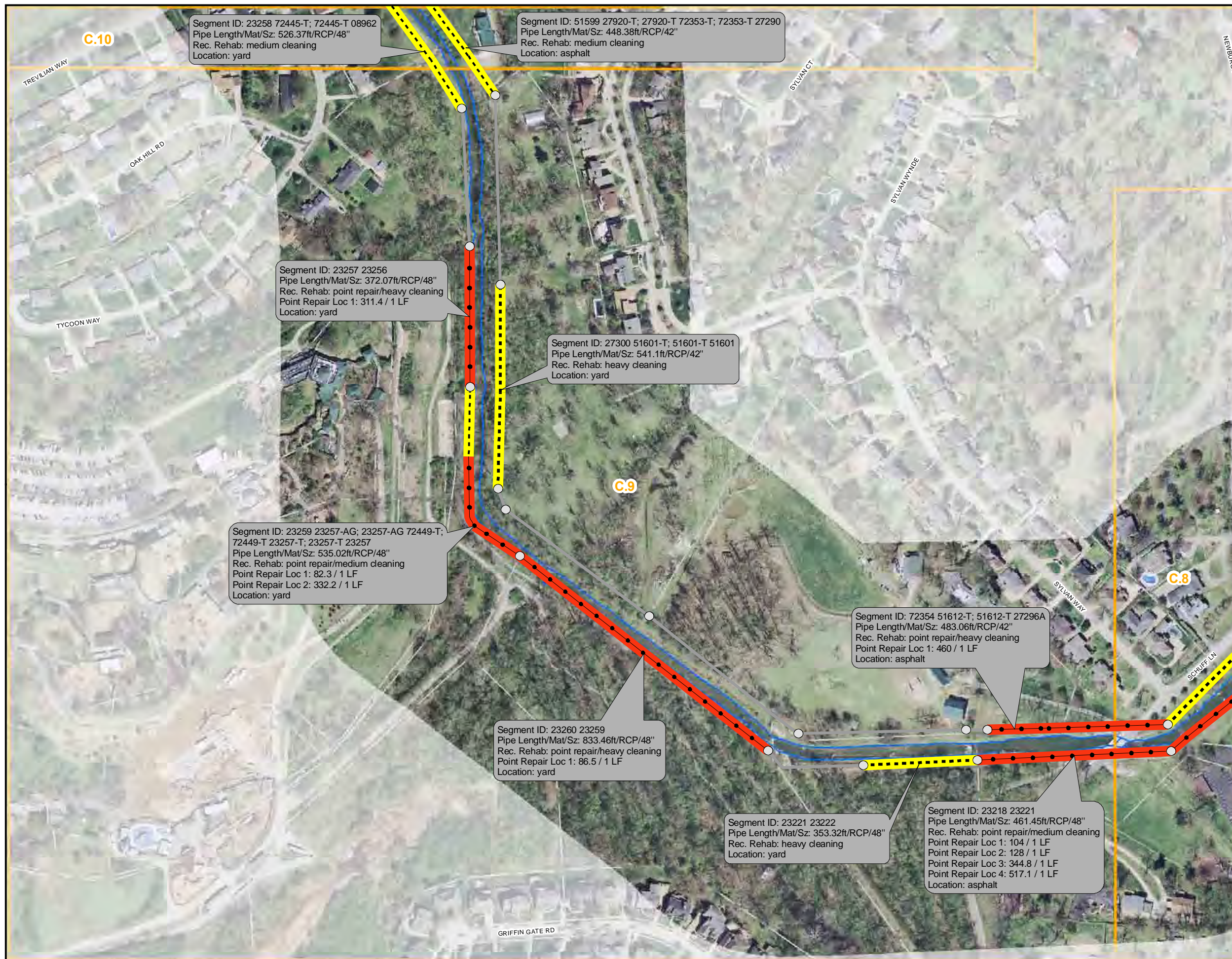
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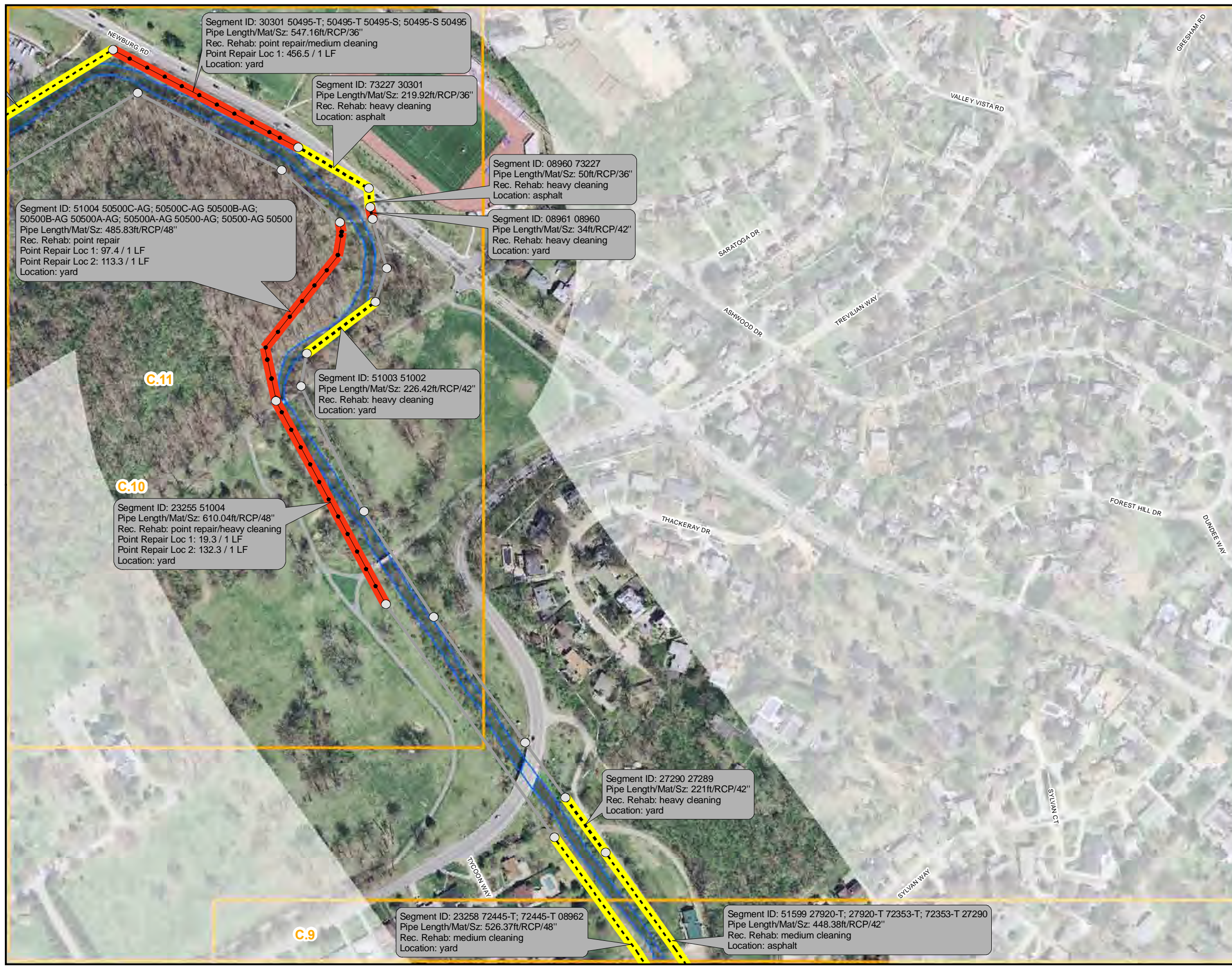
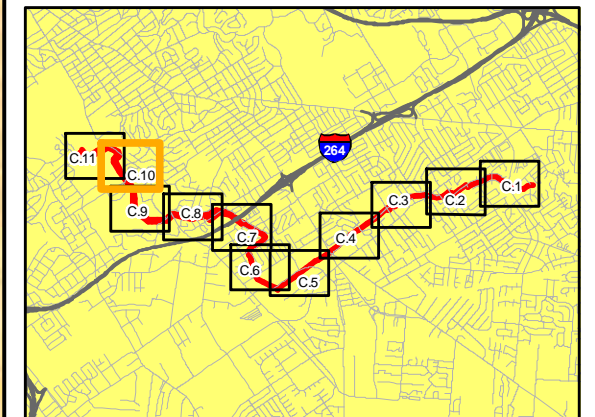
Appendix C.10: Recommended Pipe Rehabilitation 60% Map

Legend

Pipe Assessment

- cipp
 - heavy cleaning
 - medium cleaning
 - no action
 - point repair
- PRIORITY**
- high
 - medium
- Manhole
 - Major Stream
 - Sewer Main

* point repair distance from field assessed upstream manhole



Segment ID: 30301 50495-T; 50495-T 50495-S; 50495-S 50495
Pipe Length/Mat/Sz: 547.16ft/RCP/36"
Rec. Rehab: point repair/medium cleaning
Point Repair Loc 1: 456.5 / 1 LF
Location: yard

Segment ID: 73227 30301
Pipe Length/Mat/Sz: 219.92ft/RCP/36"
Rec. Rehab: heavy cleaning
Location: asphalt

Segment ID: 08960 73227
Pipe Length/Mat/Sz: 50ft/RCP/36"
Rec. Rehab: heavy cleaning
Location: asphalt

Segment ID: 08961 08960
Pipe Length/Mat/Sz: 34ft/RCP/42"
Rec. Rehab: heavy cleaning
Location: yard

Segment ID: 51003 51002
Pipe Length/Mat/Sz: 226.42ft/RCP/42"
Rec. Rehab: heavy cleaning
Location: yard

Segment ID: 27290 27289
Pipe Length/Mat/Sz: 221ft/RCP/42"
Rec. Rehab: heavy cleaning
Location: yard

Segment ID: 23258 72445-T; 72445-T 08962
Pipe Length/Mat/Sz: 526.37ft/RCP/48"
Rec. Rehab: medium cleaning
Location: yard

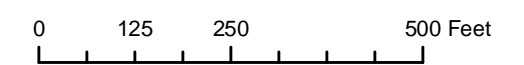
Segment ID: 51599 27920-T; 27920-T 72353-T; 72353-T 27290
Pipe Length/Mat/Sz: 448.38ft/RCP/42"
Rec. Rehab: medium cleaning
Location: asphalt

Segment ID: 51004 50500C-AG; 50500C-AG 50500B-AG;
50500B-AG 50500A-AG; 50500A-AG 50500-AG; 50500-AG 50500
Pipe Length/Mat/Sz: 485.83ft/RCP/48"
Rec. Rehab: point repair
Point Repair Loc 1: 97.4 / 1 LF
Point Repair Loc 2: 113.3 / 1 LF
Location: yard

Segment ID: 23255 51004
Pipe Length/Mat/Sz: 610.04ft/RCP/48"
Rec. Rehab: point repair/heavy cleaning
Point Repair Loc 1: 19.3 / 1 LF
Point Repair Loc 2: 132.3 / 1 LF
Location: yard



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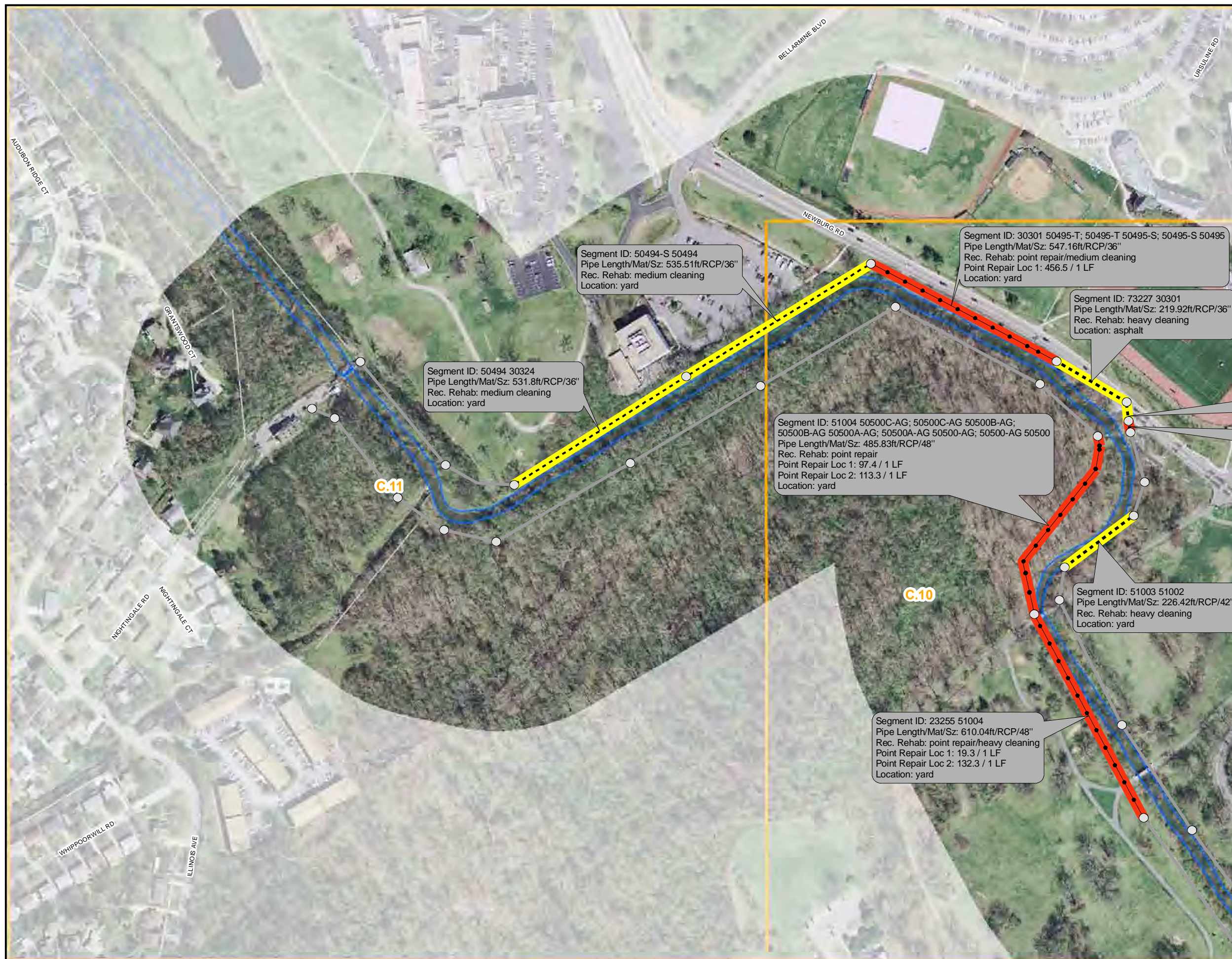
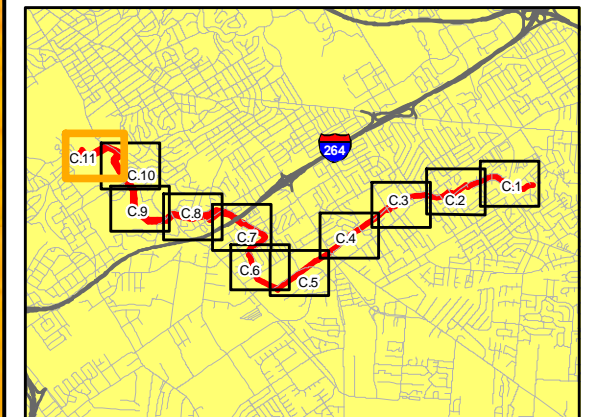
Appendix C.11 : Recommended Pipe Rehabilitation 60% Map

Legend

Pipe Assessment

- cipp
 - - - heavy cleaning
 - · - · medium cleaning
 - no action
 - point repair
- PRIORITY**
- high
 - medium
- Manhole
 - Major Stream
 - Sewer Main

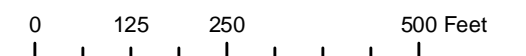
* point repair distance from field assessed upstream manhole



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Appendix D.1 : Recommended Manhole Rehabilitation 60% Map

Legend

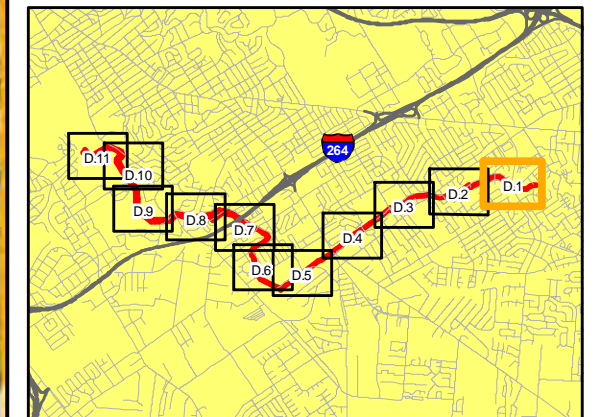
Manhole Assessment

- no action
- chimney seal
- lining
- locate & raise
- realign rings
- water-tight frame & lid

PRIORITY

- high
- medium

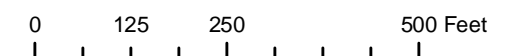
- Pipe Assessment
- Major Stream
- Sewer Main



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Appendix D.2 : Recommended Manhole Rehabilitation 60% Map



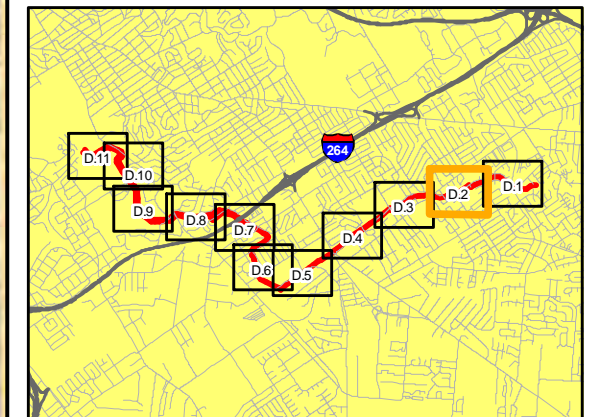
Legend

Manhole Assessment

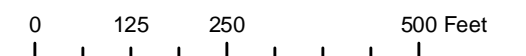
- no action
- chimney seal
- lining
- locate & raise
- realign rings
- water-tight frame & lid

PRIORITY

- high
- medium
- Pipe Assessment
- Major Stream
- Sewer Main



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scalable when printed on 11" x 17" paper



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Appendix D.3 : Recommended Manhole Rehabilitation 60% Map

Legend

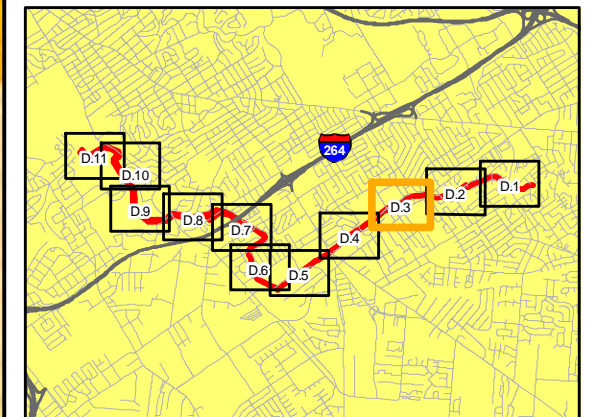
Manhole Assessment

- no action
- chimney seal
- lining
- locate & raise
- realign rings
- water-tight frame & lid

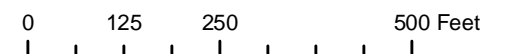
PRIORITY

- high
- medium

- Pipe Assessment
- Major Stream
- Sewer Main



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Appendix D.4 : Recommended Manhole Rehabilitation 60% Map

Legend

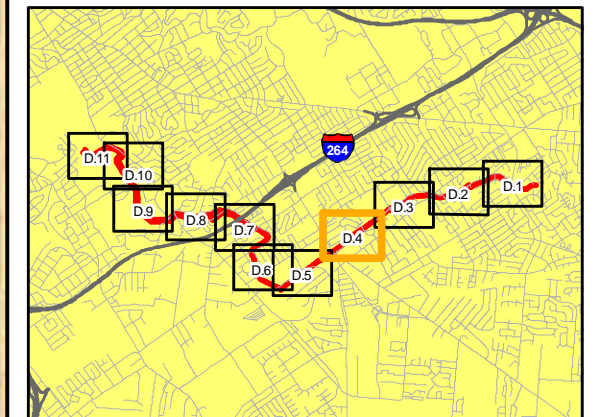
Manhole Assessment

- no action
- chimney seal
- lining
- locate & raise
- X align rings
- water-tight frame & lid

PRIORITY

- high
- medium

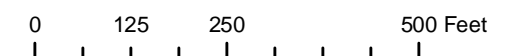
- Pipe Assessment
- Major Stream
- Sewer Main



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Appendix D.5 : Recommended Manhole Rehabilitation 60% Map

Legend

Manhole Assessment

- no action
- chimney seal
- lining
- ? locate & raise
- ✕ realign rings
- water-tight frame & lid

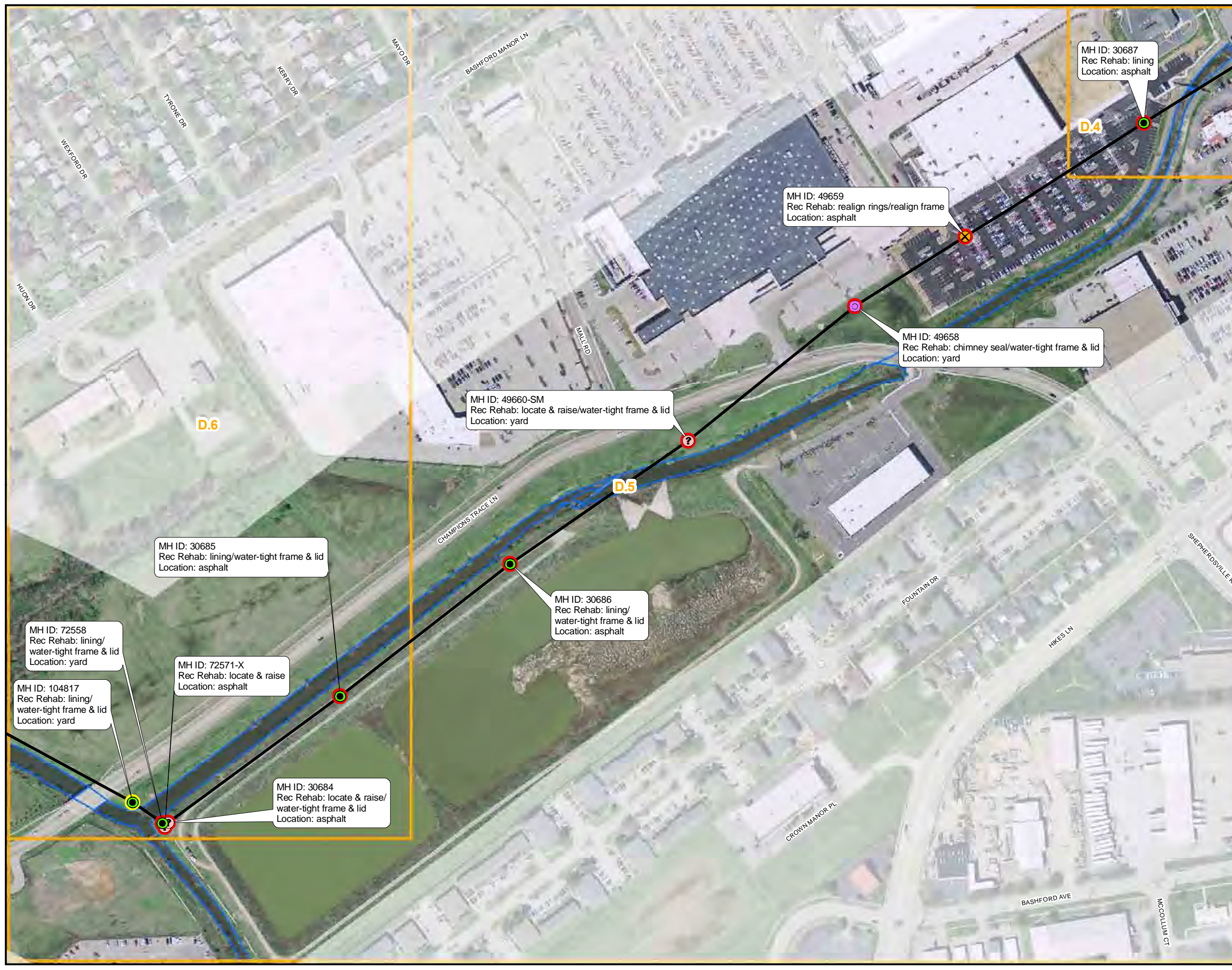
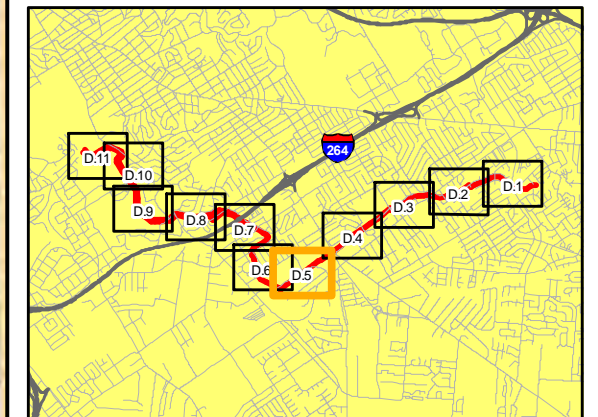
PRIORITY

- high
- medium

— Pipe Assessment

— Major Stream

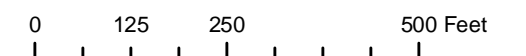
→ Sewer Main



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Appendix D.6 : Recommended Manhole Rehabilitation 60% Map

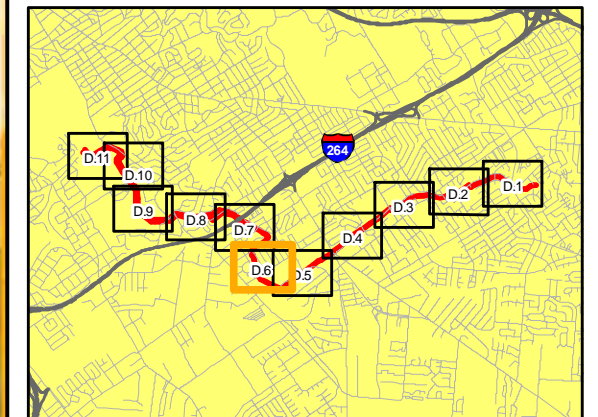
Legend

Manhole Assessment

- no action
- chimney seal
- lining
- ? locate & raise
- ✕ realign rings
- water-tight frame & lid

PRIORITY

- high
- medium
- Pipe Assessment
- Major Stream
- Sewer Main



N

1 inch = 250 feet
scalable when printed on 11" x 17" paper

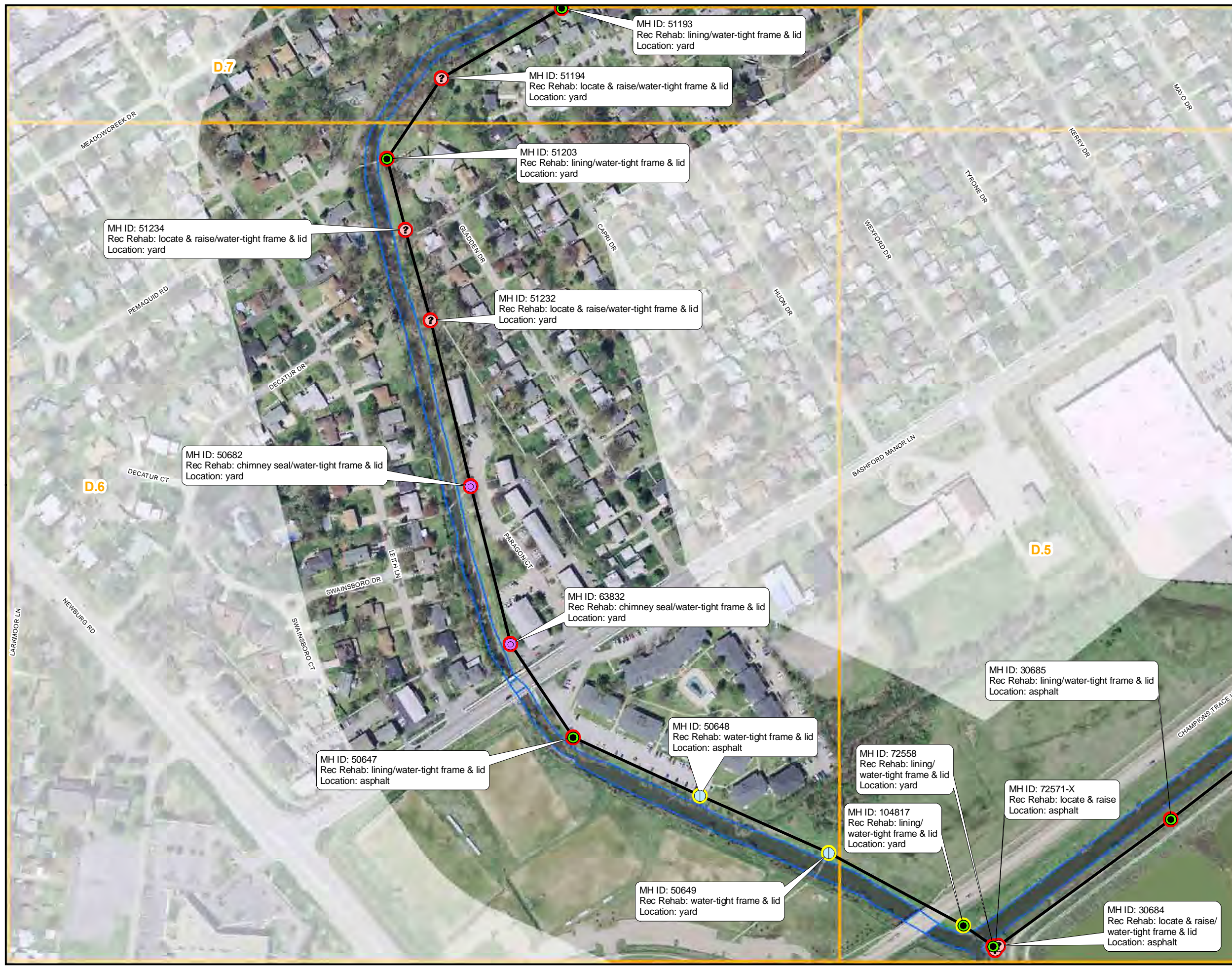
0 125 250 500 Feet

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Appendix D.7 : Recommended Manhole Rehabilitation 60% Map

Legend

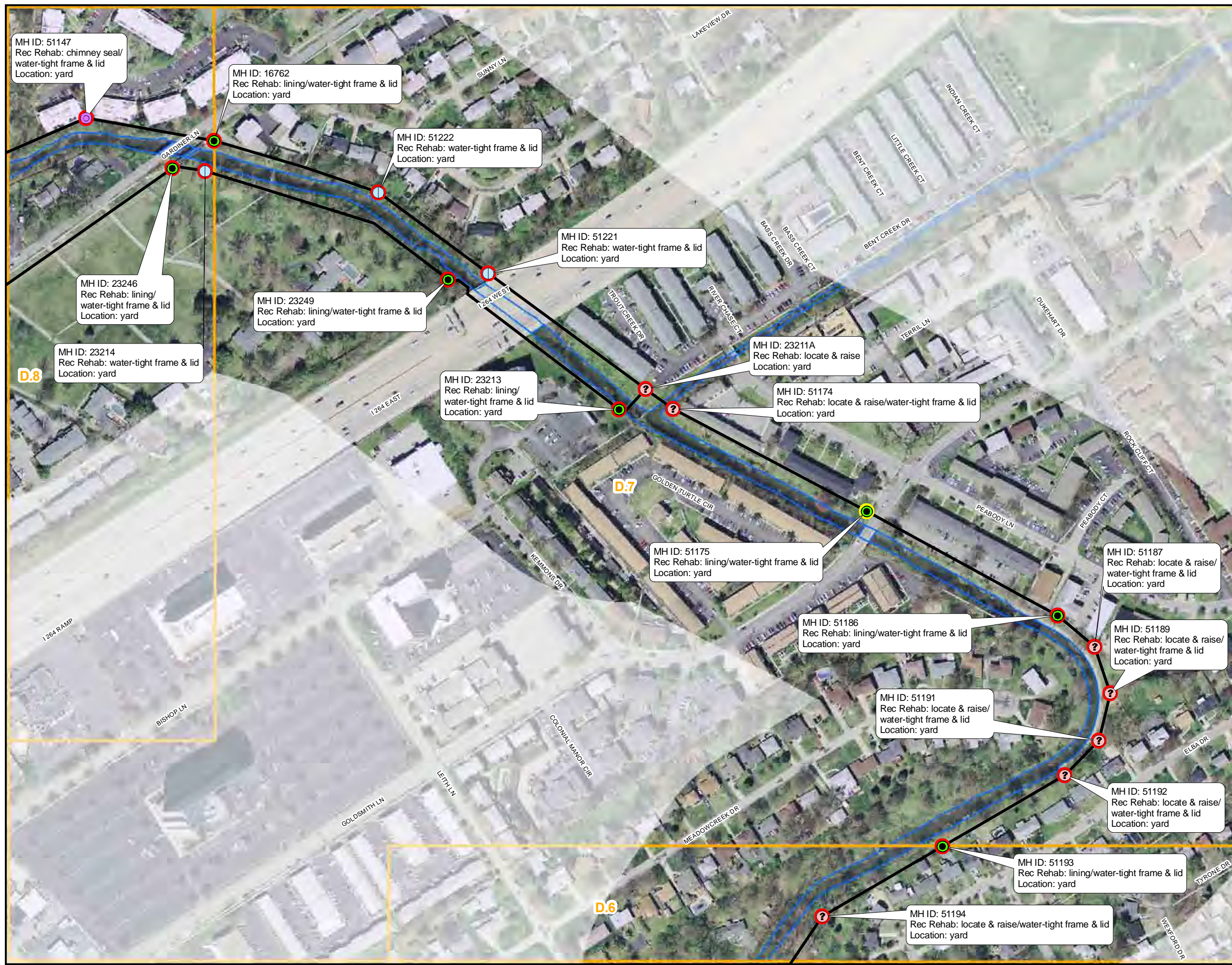
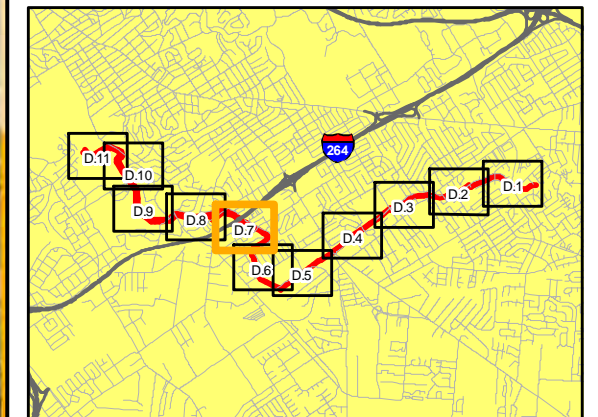
Manhole Assessment

- no action
- chimney seal
- lining
- locate & raise
- realign rings
- water-tight frame & lid

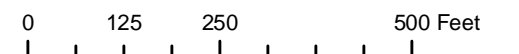
PRIORITY

- high
- medium

- Pipe Assessment
- Major Stream
- Sewer Main



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Appendix D.8 : Recommended Manhole Rehabilitation 60% Map

Legend

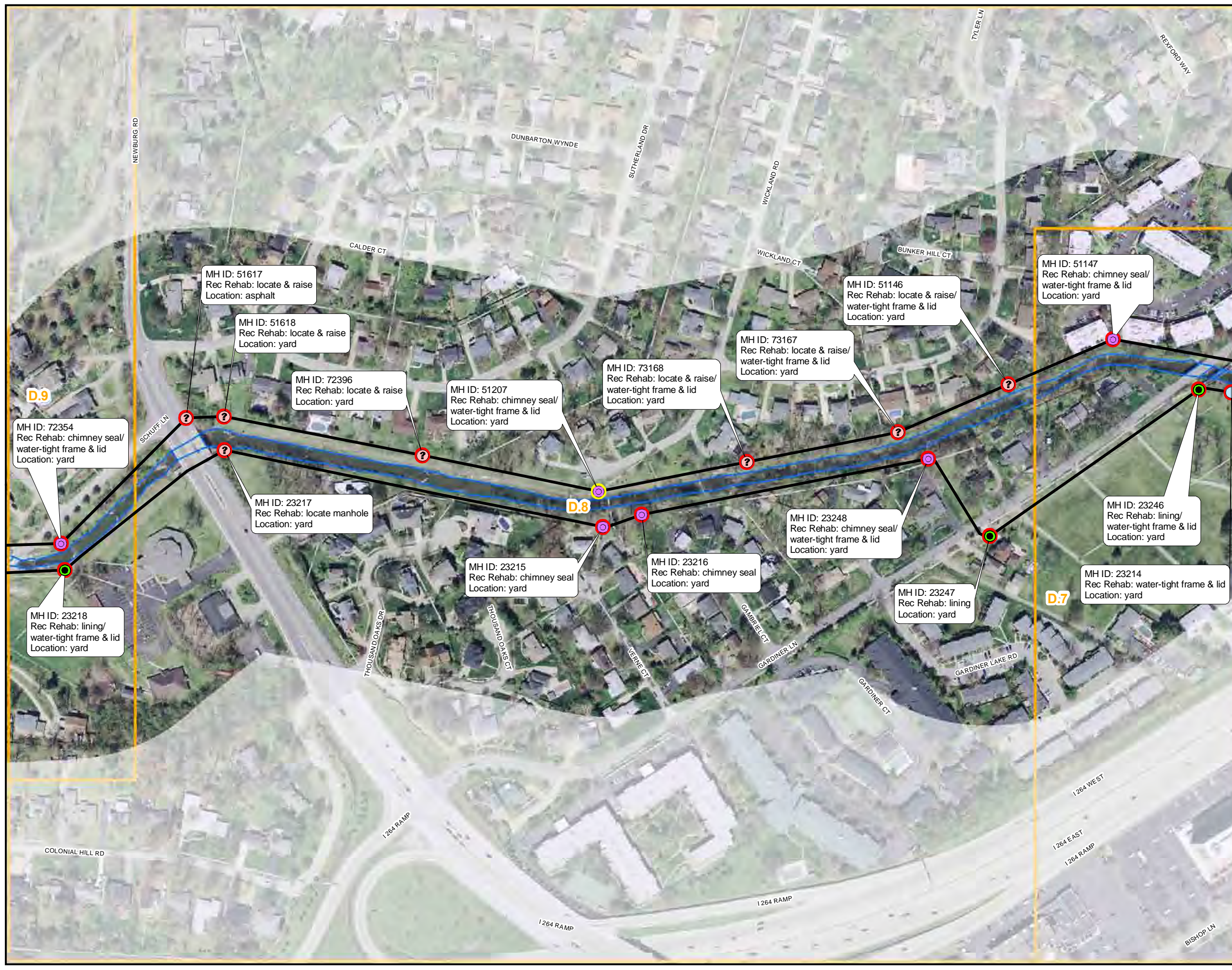
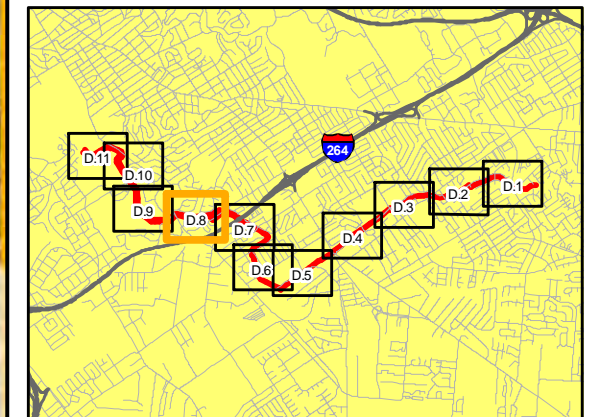
Manhole Assessment

- no action
- chimney seal
- lining
- locate & raise
- realign rings
- water-tight frame & lid

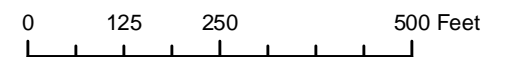
PRIORITY

- high
- medium

- Pipe Assessment
- Major Stream
- Sewer Main



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Appendix D.9 : Recommended Manhole Rehabilitation 60% Map

Legend

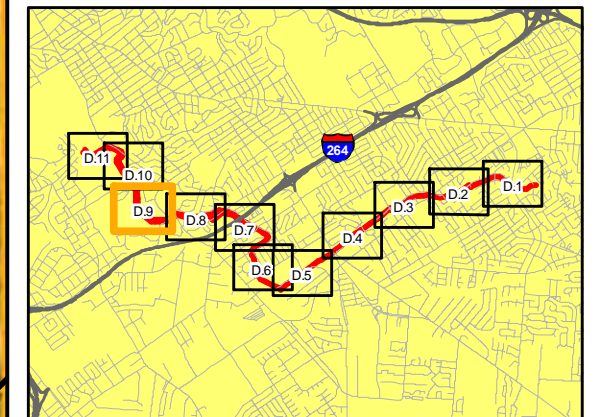
Manhole Assessment

- no action
- chimney seal
- lining
- ? locate & raise
- ✕ realign rings
- water-tight frame & lid

PRIORITY

- high
- medium

- Pipe Assessment
- Major Stream
- Sewer Main



MH ID: 51599
Rec Rehab: locate & raise
Location: yard

MH ID: 23258
Rec Rehab: locate & raise
Location: yard

MH ID: 23256
Rec Rehab: lining/water-tight frame & lid
Location: yard

MH ID: 51601
Rec Rehab: locate & raise
Location: yard

MH ID: 23257
Rec Rehab: locate & raise
Location: yard

MH ID: 27300
Rec Rehab: locate & raise
Location: yard

MH ID: 27299
Rec Rehab: locate & raise
Location: yard

MH ID: 23259
Rec Rehab: chimney seal/
water-tight frame & lid
Location: yard

MH ID: 27298
Rec Rehab: locate & raise
Location: yard

MH ID: 27296
Rec Rehab: lining/
water-tight frame & lid
Location: yard

MH ID: 27296A
Rec Rehab: water-tight frame & lid
Location: yard

MH ID: 72354
Rec Rehab: chimney seal/
water-tight frame & lid
Location: yard

MH ID: 27297
Rec Rehab: chimney seal
Location: yard

MH ID: 23260
Rec Rehab: lining/
water-tight frame & lid
Location: yard

MH ID: 23222
Rec Rehab: chimney seal/
water-tight frame & lid
Location: yard

MH ID: 23221
Rec Rehab: lining/
water-tight frame & lid
Location: yard

MH ID: 23218
Rec Rehab: lining/
water-tight frame & lid
Location: yard

N

1 inch = 250 feet
scalable when printed on 11" x 17" paper

DRAFT

Map Revision
August 23, 2010
Aerial Date: 2009

0 125 250 500 Feet



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Beargrass Interceptor

Appendix D.10 : Recommended Manhole Rehabilitation 60% Map

Legend

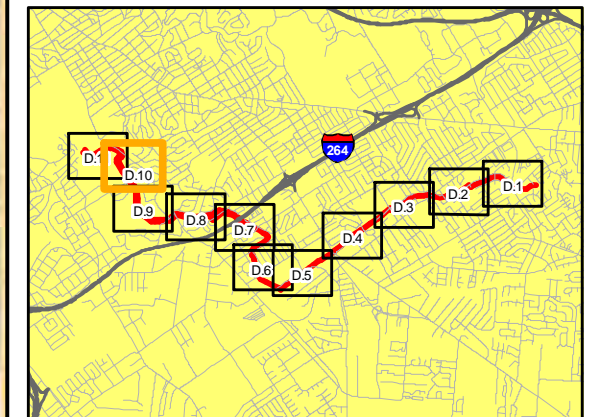
Manhole Assessment

- no action
- chimney seal
- lining
- locate & raise
- realign rings
- water-tight frame & lid

PRIORITY

- high
- medium

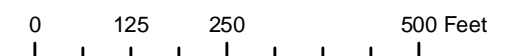
- Pipe Assessment
- Major Stream
- Sewer Main



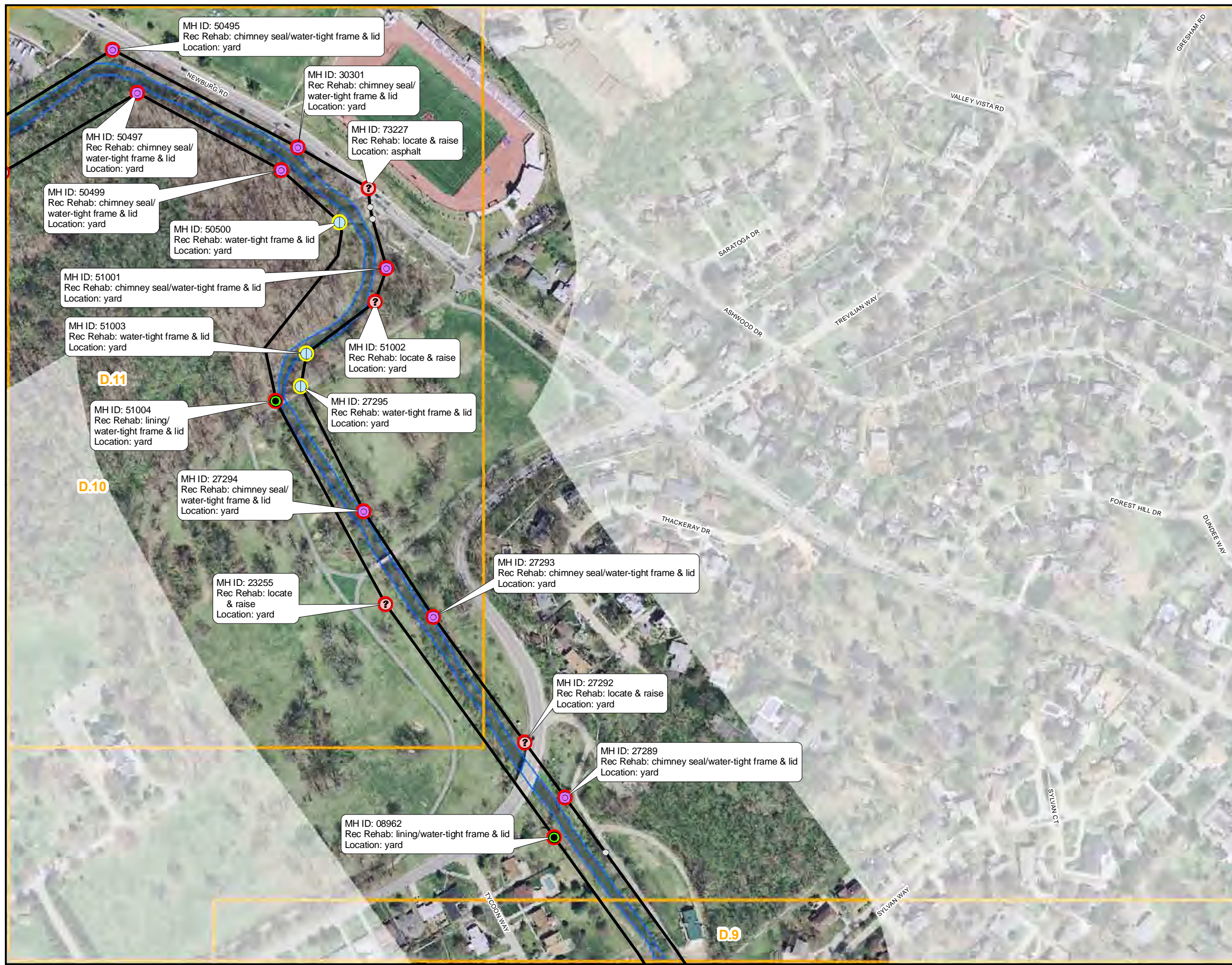
DRAFT

1 inch = 250 feet
scalable when printed on 11" x 17" paper

Map Revision
August 23, 2010
Aerial Date: 2009



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Beargrass Interceptor

Appendix D.11 : Recommended Manhole Rehabilitation 60% Map

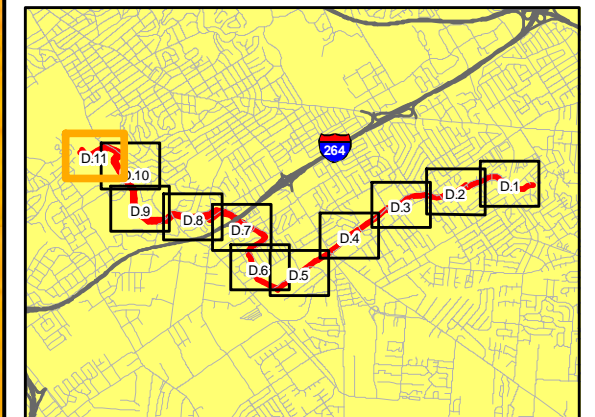
Legend

Manhole Assessment

- no action
- chimney seal
- lining
- locate & raise
- realign rings
- water-tight frame & lid

PRIORITY

- high
- medium
- Pipe Assessment
- Major Stream
- Sewer Main

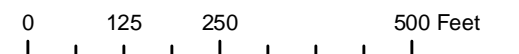


D.11

D.10



1 inch = 250 feet
scalable when printed on 11" x 17" paper



DRAFT

Map Revision
August 23, 2010
Aerial Date: 2009



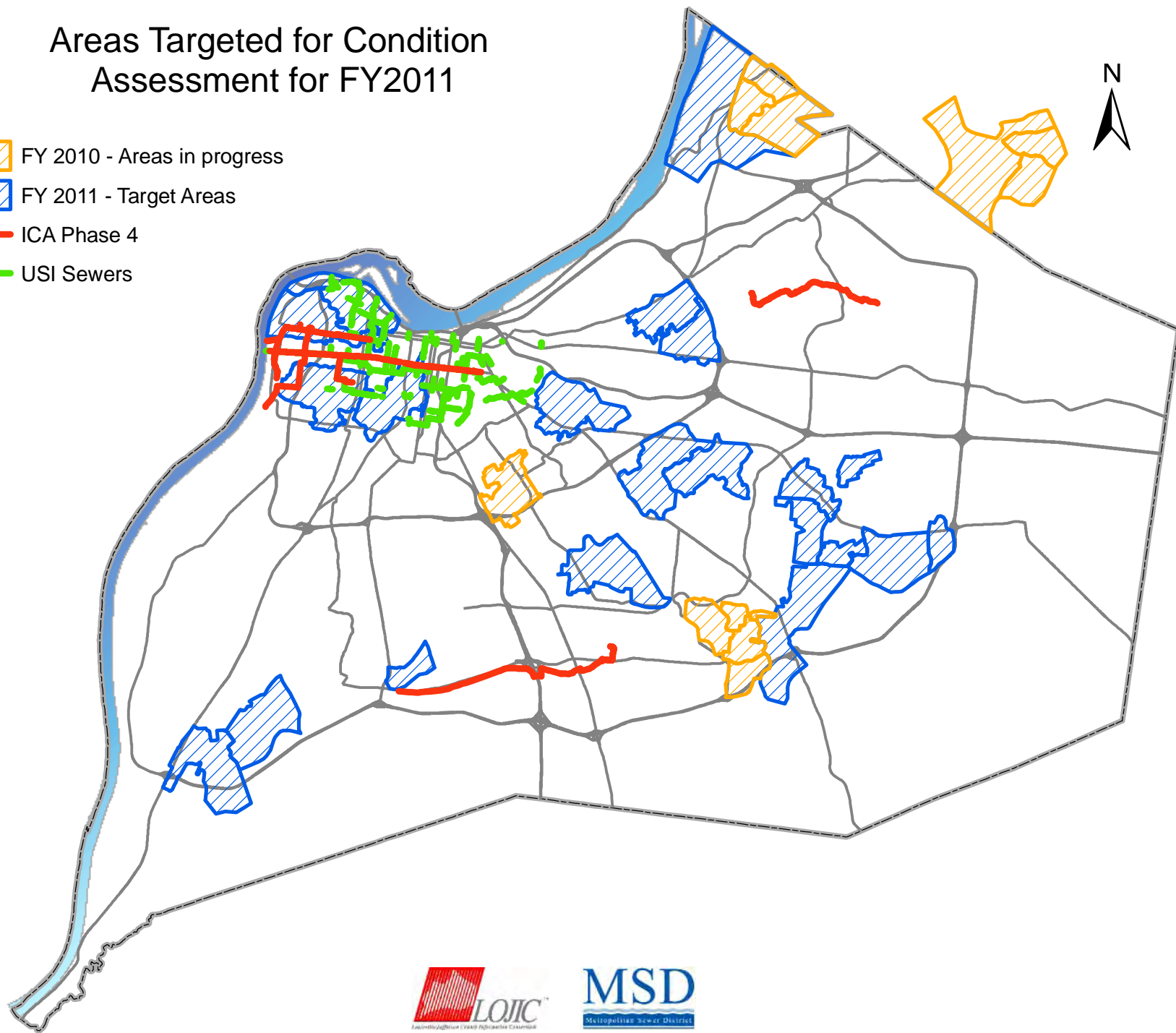
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Attachment 4

Planned FY11 Inspection Areas

Areas Targeted for Condition Assessment for FY2011

-  FY 2010 - Areas in progress
-  FY 2011 - Target Areas
-  ICA Phase 4
-  USI Sewers



Data Source: LOJIC



APPENDIX J – FY10 Force Majeure Reports



APPENDIX J - 1 August 4, 2009, Force Majeure Report

APPENDIX J -2 May 1, 2010, Force Majeure Report



MSD

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

August 18, 2009

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

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

Jeff Cummins, Acting Director
Division of Enforcement
Department of Environmental Protection
300 Fair Oaks Lane
Frankfort, KY 40601

Subject: August 4, 2009, Flood Event Summary
Civil Action No. 3:08-cv-00608-CRS

Attention Chief:

Attached please find the report required under the Amended Consent Decree, Force Majeure Paragraph 67, for the above-mentioned flood event.

I certify under penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Sincerely,

W. Brian Bingham
Regulatory Services Director

cc: H. J. Schardein, Jr.

Paula Purifoy

Laurence J. Zielke



*Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com*



MSD

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

August 18, 2009

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

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

Jeff Cummins, Acting Director
Division of Enforcement
Department of Environmental Protection
300 Fair Oaks Lane
Frankfort, KY 40601

Subject: Sewer Overflow Response Protocol (SORP) Annual Review
Civil Action No. 3:08-cv-00608-CRS

Attention Chief:

MSD has reviewed the Sewer Overflow Response Protocol (SORP), dated November 5, 2008, and determined that there are no major revisions requiring a revised SORP to be submitted by August 22, 2009. MSD has identified that minor revisions will need to be made to the renaissance routes due to changes in documented overflows. These updated routes will be submitted to all parties for incorporation into the November 5, 2008, SORP when they are completed.

I certify under penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Sincerely,


W. Brian Bingham
Regulatory Services Director

cc: H. J. Schardein, Jr.

Paula Purifoy

Laurence J. Zielke



*Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com*

DATE: August 18, 2009

TO: Sean Ireland, EPA Region IV; Gary Levy, KDEP

FROM: Brian Bingham

SUBJECT: August 4th, 2009 Flood Event

This report is offered as the written report related to the extreme rainfall event that Louisville experienced during the morning of August 4th beginning around 8 a.m. and lasting through approximately 9:30 a.m. of the same day.

Rain Event

The Louisville Metro area experienced a severe storm that followed the path of the Ohio River from



south to north and dropped as much as 6.5 inches of rain over Louisville's combined sewer system during the timeframe mentioned above. The storm had peak intensities over 8.8 inches an hour and quickly surcharged large areas of MSD's drainage, sanitary, and combined sewer systems causing widespread basement backups and surface flooding. The distribution of rainfall can be seen in **Attachment A**.

Western and downtown areas of Louisville experienced unprecedented rainfall rates and depths which exceeded a 1000-year storm frequency - or a 0.1% chance of occurring in any given year. Rainfall frequency reports for the hardest hit areas can be found in **Attachment B**. Rainfall intensity timelines for various areas are demonstrated in **Attachment C**. During the storm event, MSD's Customer Relations Department Call Center fielded over 2,760 MSD calls and 1,270 after-hour calls for Louisville Metro from 8:00 a.m. on August 4, 2009 through August 7, 2009. Spatial Distribution of these calls can be reviewed in **Attachment D**.

System Response

No direct fatalities or injuries were reported as a result of the flooding. However, substantial flooding resulted in extensive property damage to buildings and automobiles throughout the combined sewer system area. Emergency water rescues were executed in several neighborhoods and also at certain buildings within the primary campus of the University of Louisville. Churchill Downs evacuated many of the horses stabled onsite due to flood levels approaching that of the 1937 flood. A summary timeline of the events that unfolded during and after the storm are outlined in **Attachment H**.



August 4th, 2009 Flood Event

August 18, 2009

Page 2 of 3

MSD Response

Metro Operations prevented some discharges and home flooding with the use of pumps and tanker trucks. Metro Operations and I&FP worked in tandem to isolate the nature of reported problems and swiftly aid MSD customers wherever possible. Staff from Engineering and RS performed reconnaissance to provide information to Management. MSD activated its Emergency Response room, which was staffed with representatives from all departments to allow a coordinated response.

However, the magnitude of the rainfall resulted in over 2.6 billion gallons of combined sewer overflow from the 107 permitted CSO locations (see **Attachments E and F** for details) as well as approximately 55 million gallons of reported sewer overflows at 386 other locations within the system, excluding private property and lateral issues. Some CSO flow monitors experienced issues as a result of the high flows and did not record discharges. However, the rainfall from the event was simulated within the combined sewer hydraulic model to predict the CSO volumes for all CSO's. **Attachments I and J** provide details on the discharge work orders initiated by problem code and discharge volumes to the Waters of the U.S. by asset type. Due to the problems encounter with travel among sites and the volume of discharges, some initial discharge reports did not meet the 24 hour deadline.

During and following the storm, MSD hauled over 800,000 gallons of stormwater and sewage (mostly from a viaduct flood pump station that was flooded) and 860,000 gallons from the sanitary sewer area (see **Attachment G** for haul locations and volumes). The Jeffersontown siphon did not discharge during this event as this part of the County did not received nearly as much rainfall (siphon level graph can be viewed in **Attachment K**).

The storm that hit Louisville on August 4th, 2009 over its combined sewer area simply overwhelmed the combined sewer and drainage system with sudden, intense rainfall in conjunction saturated ground from a wet summer. Very little time or effective remedies are available to alleviate flooding or sewer overflows for this type of storm. The storm report from the National Weather Service, including flash flood reports and times, has been provided in **Attachment L**.

Damages and System Issues

Many residents and businesses in the Louisville combined sewer area are currently recovering from damages sustained from the August 4th, 2009 rain event. The main branch of the Louisville Free Public Library suffered damages in excess of \$5 million. The University of Louisville campus and various neighborhoods also had extensive flooding issues, and the cleanup effort in the aftermath of the storm



August 4th, 2009 Flood Event

August 18, 2009

Page 3 of 3

is focused on appropriate disposal efforts and proper training and education of volunteers and property owners on the health threats associated with damaged items, such as mold.

MSD has been inspecting sewer assets that carried some of the highest flows during the storm and have discovered the collapse of a 96-inch sewer along East Broadway, a main downtown thoroughfare. This line is currently being repaired under an emergency contract. In addition, several baffles on CSO solids and floatables controls have been repaired and electrical controls at several pump stations are being inspected. MSD was fortunate to sustain relatively little damage to its infrastructure in comparison to much of the community. Representative photographs of the event are presented in **Attachment M**. As additional information or issues are discovered, they will be reported in a revised version of this memo in the next quarterly report.

jtg/00 – August 4th Rain Event Summary.doc

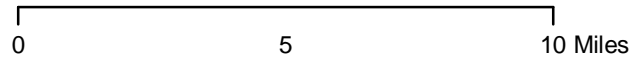
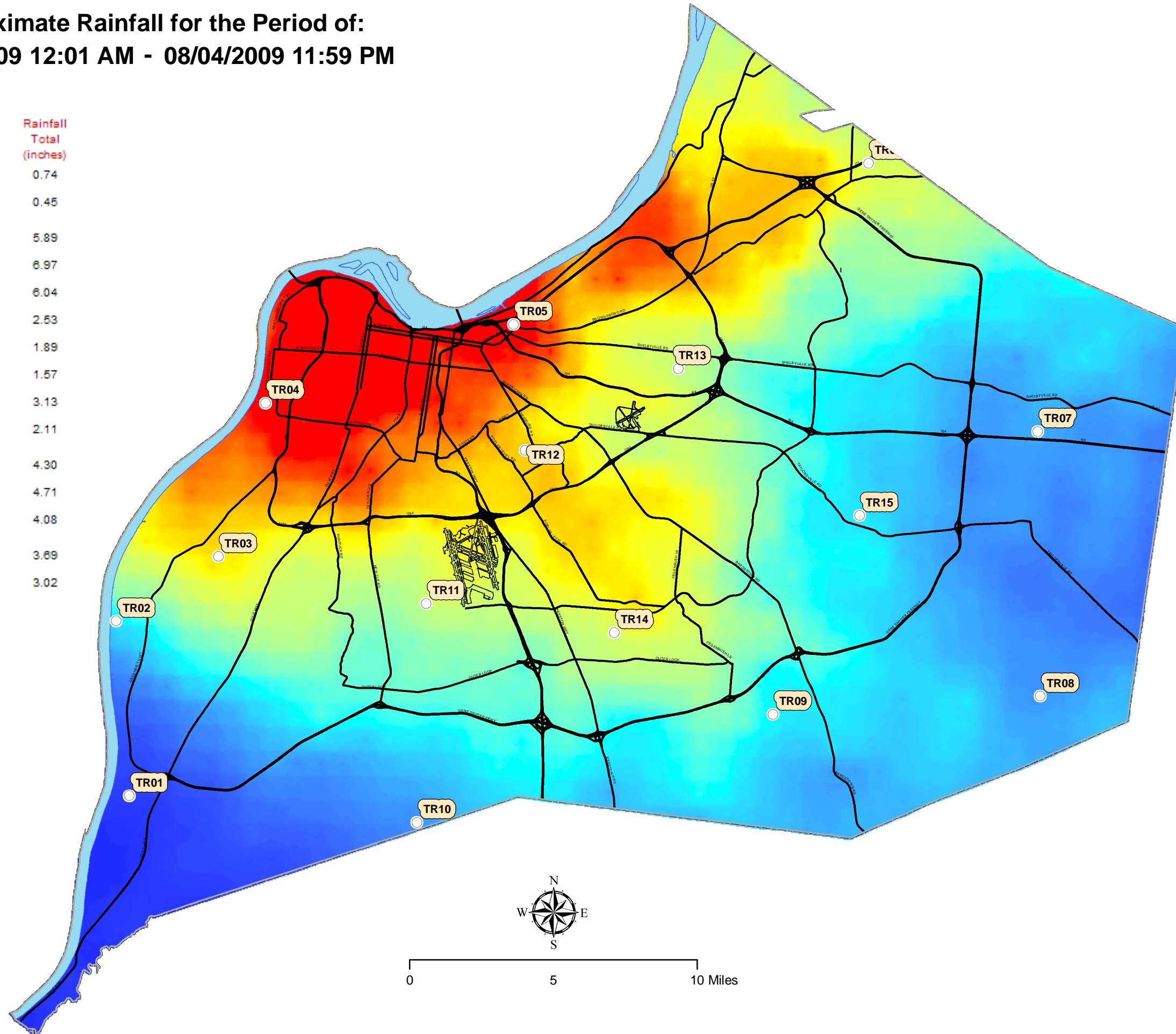
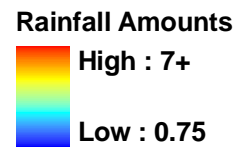
cc: File

Attachment A
Rainfall Maps with Spatial Distribution
and Rain Gauge Information

Approximate Rainfall for the Period of: 08/04/2009 12:01 AM - 08/04/2009 11:59 PM



ID	Site	Rainfall Total (inches)
TR01	West County WWTP	0.74
TR02	PRP Fire Station Training Facility	0.45
TR03	Shively PS	5.89
TR04	Morris Forman WWTP	6.97
TR05	Beargrass Creek PS	6.04
TR06	Hite Creek WWTP	2.53
TR07	Floyds Fork WWTP	1.89
TR08	Fern Creek Fire Station #3	1.57
TR09	Cedar Creek WWTP	3.13
TR10	Camp Horine (Jefferson Co. Forest)	2.11
TR11	Northern Ditch PS	4.30
TR12	Nightingale PS	4.71
TR13	St. Matthews Elementary School	4.08
TR14	Lea Ann Way PS	3.69
TR15	Jeffersontown WWTP	3.02



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Louisville/Jefferson County Information Consortium (LOJIC), a Jefferson County, Kentucky, based cooperative project of:

Louisville/Jefferson Metro Government
Louisville Water Company
Metropolitan Sewer District
Property Valuation Administrator

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Attachment B
Rainfall Frequency Reports for the Gauges
and Watershed Hit the Hardest

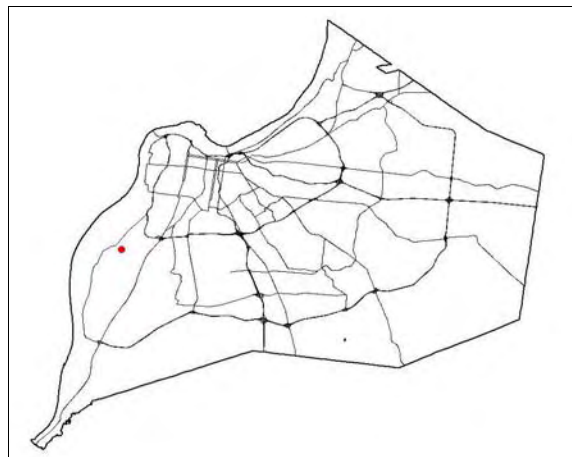


Area

TR03

Start Date 08/03/2009

End Date 08/05/2009



1 hr **Start** 8/4/2009 9:15:00 AM **End** 8/4/2009 10:15:00 AM **Rain Total** 4.91

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	1000 Year	3.83	> 1000 Year	100
Bulletin 71	500 Year	4.4	> 500 Year	100
TP-40	500 Year	3.4	> 500 Year	100

3 hr **Start** 8/4/2009 9:00:00 AM **End** 8/4/2009 12:00:00 PM **Rain Total** 5.13

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	500 Year	4.96	1000 Year	5.48
Bulletin 71	100 Year	4.56	500 Year	6
TP-40	500 Year	4.6	> 500 Year	100

6 hr **Start** 8/4/2009 9:00:00 AM **End** 8/4/2009 3:00:00 PM **Rain Total** 5.13

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	100 Year	4.83	200 Year	5.41
Bulletin 71	50 Year	4.57	100 Year	5.34
TP-40	100 Year	4.5	500 Year	5.4

12 hr **Start** 8/4/2009 9:00:00 AM **End** 8/4/2009 9:00:00 PM **Rain Total** 5.13

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	50 Year	5.05	100 Year	5.7
Bulletin 71	25 Year	4.45	50 Year	5.31
TP-40	50 Year	4.9	100 Year	5.4

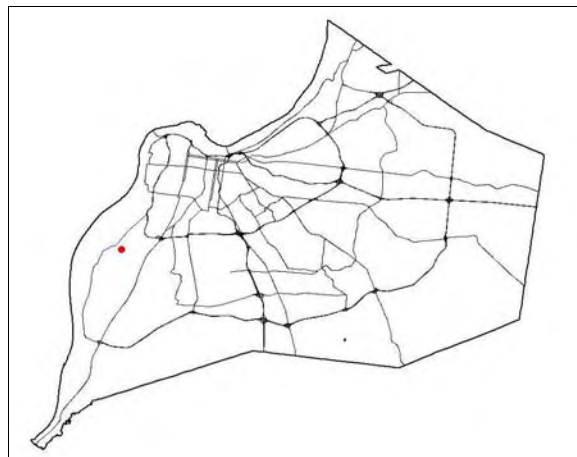


Area

TR03

Start Date 08/03/2009

End Date 08/05/2009



24 hr **Start** 8/4/2009 9:00:00 AM **End** 8/5/2009 9:00:00 AM **Rain Total** 5.13

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	10 Year	4.52	25 Year	5.43
Bulletin 71	10 Year	4.22	25 Year	5.22
TP-40	10 Year	4.5	25 Year	5.2

48 hr **Start** 8/4/2009 9:00:00 AM **End** 8/6/2009 9:00:00 AM **Rain Total** 5.13

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	5 Year	4.58	10 Year	5.3
Bulletin 71	10 Year	4.56	25 Year	5.58
TP-40	10 Year	5.1	25 Year	6.1

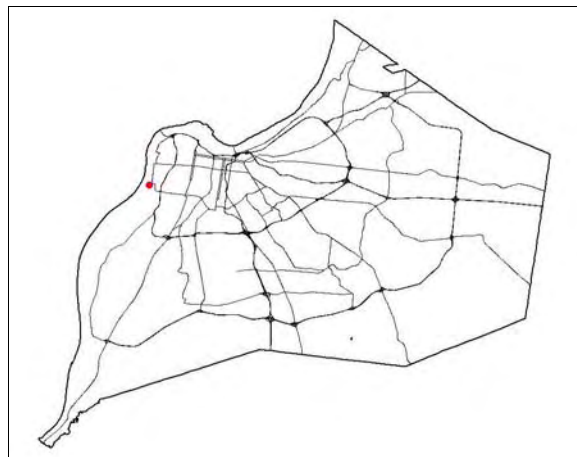


Area

TR04

Start Date 08/03/2009

End Date 08/05/2009



1 hr **Start** 8/4/2009 8:55:00 AM **End** 8/4/2009 9:55:00 AM **Rain Total** 4.88

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	1000 Year	3.83	> 1000 Year	100
Bulletin 71	500 Year	4.4	> 500 Year	100
TP-40	500 Year	3.4	> 500 Year	100

3 hr **Start** 8/4/2009 8:20:00 AM **End** 8/4/2009 11:20:00 AM **Rain Total** 6.52

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	1000 Year	5.48	> 1000 Year	100
Bulletin 71	500 Year	6	> 500 Year	100
TP-40	500 Year	4.6	> 500 Year	100

6 hr **Start** 8/4/2009 8:20:00 AM **End** 8/4/2009 2:20:00 PM **Rain Total** 6.52

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	500 Year	6.24	1000 Year	6.93
Bulletin 71	100 Year	5.34	500 Year	7
TP-40	500 Year	5.4	> 500 Year	100

12 hr **Start** 8/4/2009 8:20:00 AM **End** 8/4/2009 8:20:00 PM **Rain Total** 6.52

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	200 Year	6.38	500 Year	7.35
Bulletin 71	100 Year	6.19	500 Year	8.2
TP-40	500 Year	6.4	> 500 Year	100



Area

TR04

Start Date 08/03/2009

End Date 08/05/2009



24 hr Start 8/4/2009 8:20:00 AM End 8/5/2009 8:20:00 AM Rain Total 6.52

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	50 Year	6.19	100 Year	7.01
Bulletin 71	50 Year	6.1	100 Year	7.12
TP-40	100 Year	6.2	500 Year	7.1

48 hr Start 8/4/2009 8:20:00 AM End 8/6/2009 8:20:00 AM Rain Total 6.52

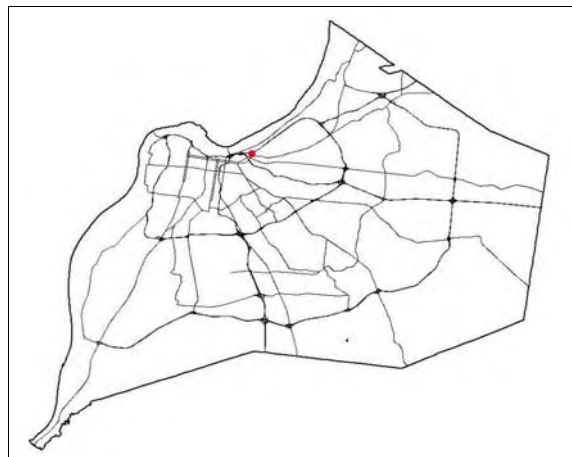
Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	25 Year	6.33	50 Year	7.17
Bulletin 71	50 Year	6.52	100 Year	7.58
TP-40	50 Year	6.4	100 Year	7.3



Area
TR05

Start Date **08/03/2009**

End Date **08/05/2009**



1 hr **Start** 8/4/2009 8:10:00 AM **End** 8/4/2009 9:10:00 AM **Rain Total** 3.13

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	200 Year	3.13	500 Year	3.52
Atlas 14	100 Year	2.85	200 Year	3.13
Bulletin 71	50 Year	2.87	100 Year	3.35
TP-40	100 Year	2.8	500 Year	3.4

3 hr **Start** 8/4/2009 7:20:00 AM **End** 8/4/2009 10:20:00 AM **Rain Total** 5.27

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	500 Year	4.96	1000 Year	5.48
Bulletin 71	100 Year	4.56	500 Year	6
TP-40	500 Year	4.6	> 500 Year	100

6 hr **Start** 8/4/2009 7:20:00 AM **End** 8/4/2009 1:20:00 PM **Rain Total** 5.27

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	100 Year	4.83	200 Year	5.41
Bulletin 71	50 Year	4.57	100 Year	5.34
TP-40	100 Year	4.5	500 Year	5.4

12 hr **Start** 8/4/2009 7:20:00 AM **End** 8/4/2009 7:20:00 PM **Rain Total** 5.27

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	50 Year	5.05	100 Year	5.7
Bulletin 71	25 Year	4.45	50 Year	5.31
TP-40	50 Year	4.9	100 Year	5.4

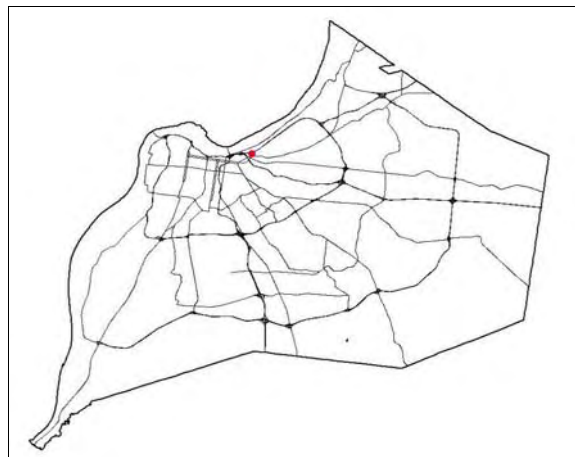


Area

TR05

Start Date 08/03/2009

End Date 08/05/2009



24 hr **Start** 8/4/2009 7:20:00 AM **End** 8/5/2009 7:20:00 AM **Rain Total** 5.27

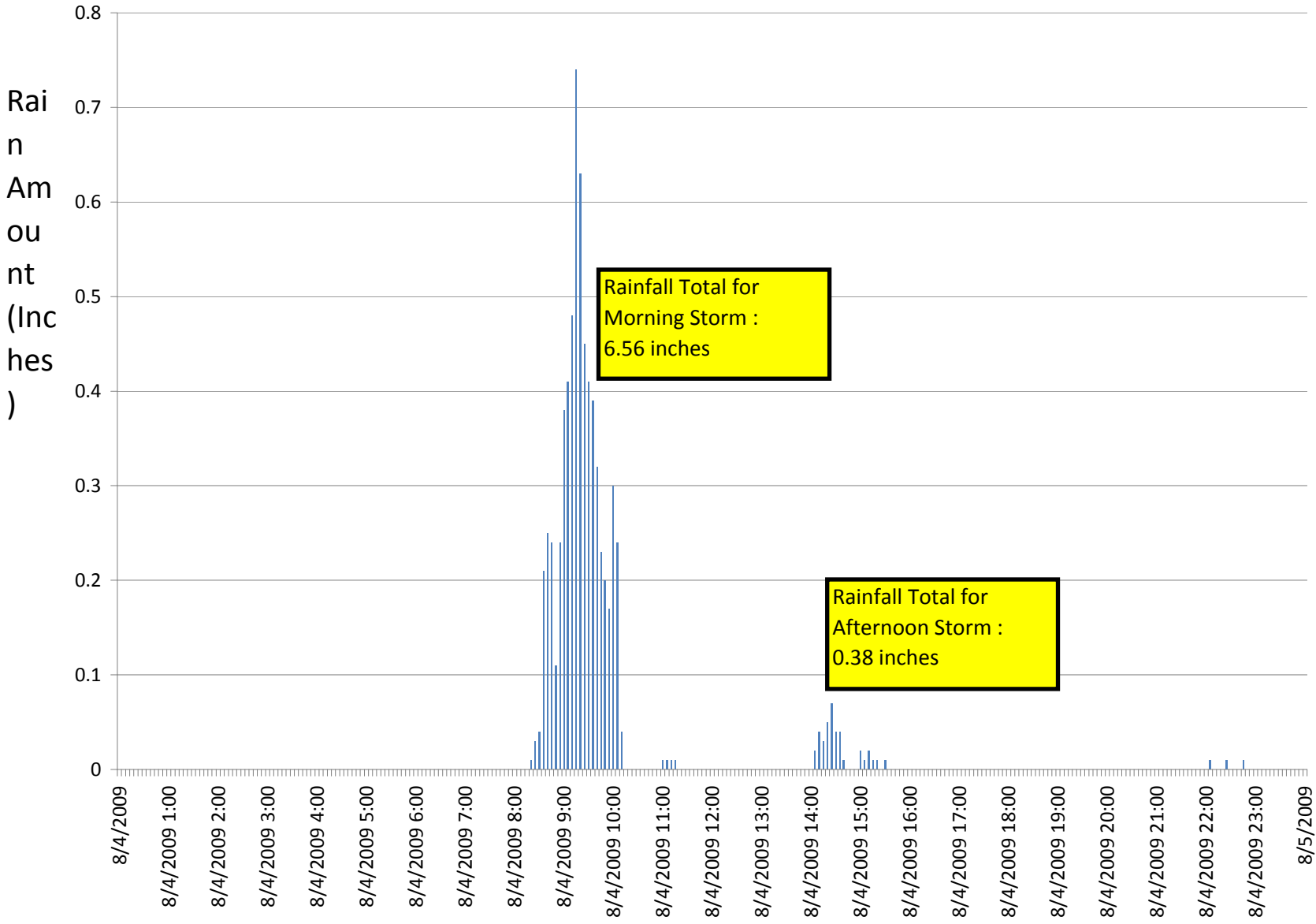
Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	10 Year	4.52	25 Year	5.43
Bulletin 71	25 Year	5.22	50 Year	6.1
TP-40	25 Year	5.2	50 Year	5.7

48 hr **Start** 8/4/2009 7:20:00 AM **End** 8/6/2009 7:20:00 AM **Rain Total** 5.27

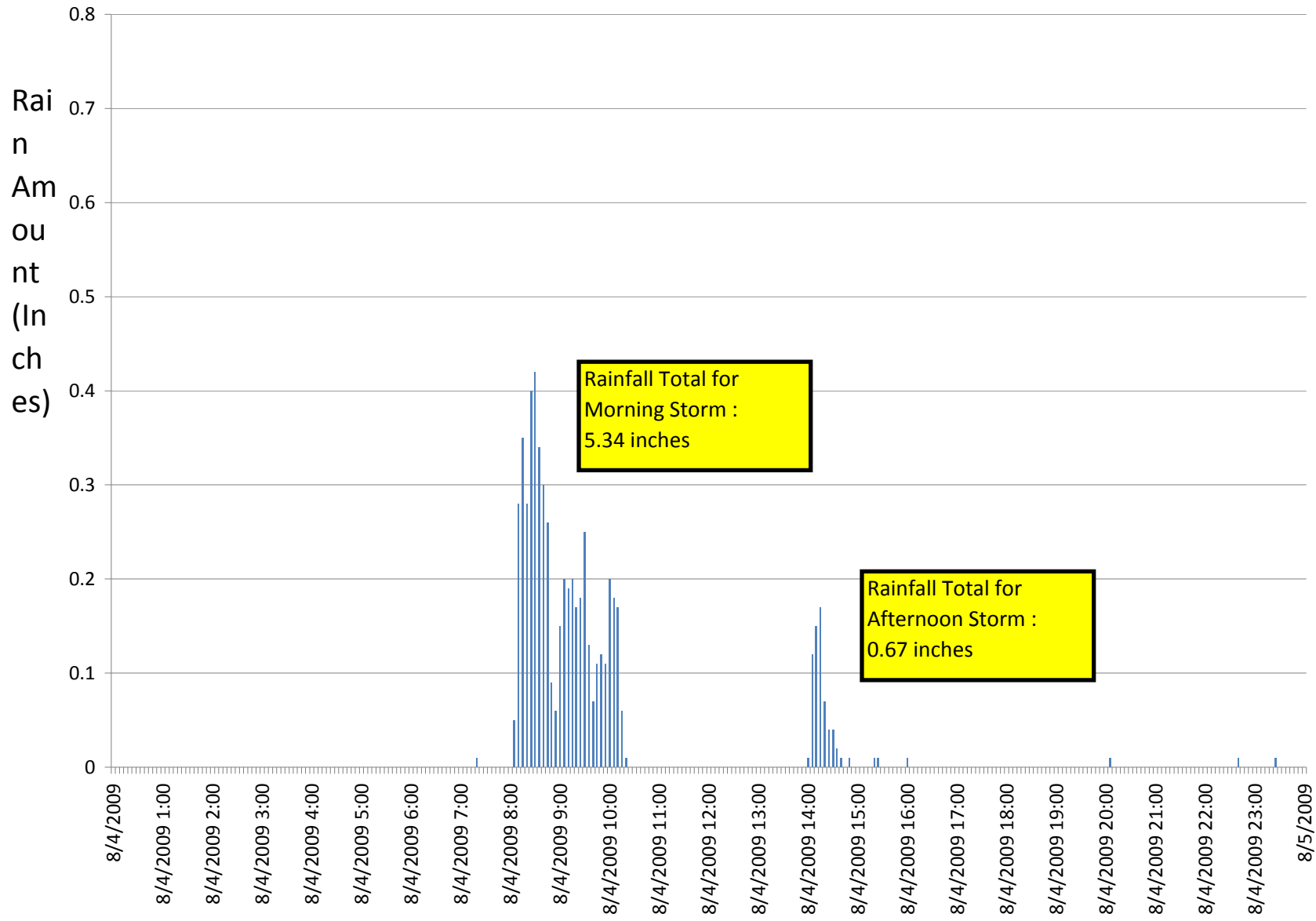
Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	5 Year	4.58	10 Year	5.3
Bulletin 71	10 Year	4.56	25 Year	5.58
TP-40	10 Year	5.1	25 Year	6.1

Attachment C
Rainfall Timeline in Several
Areas Hit the Hardest

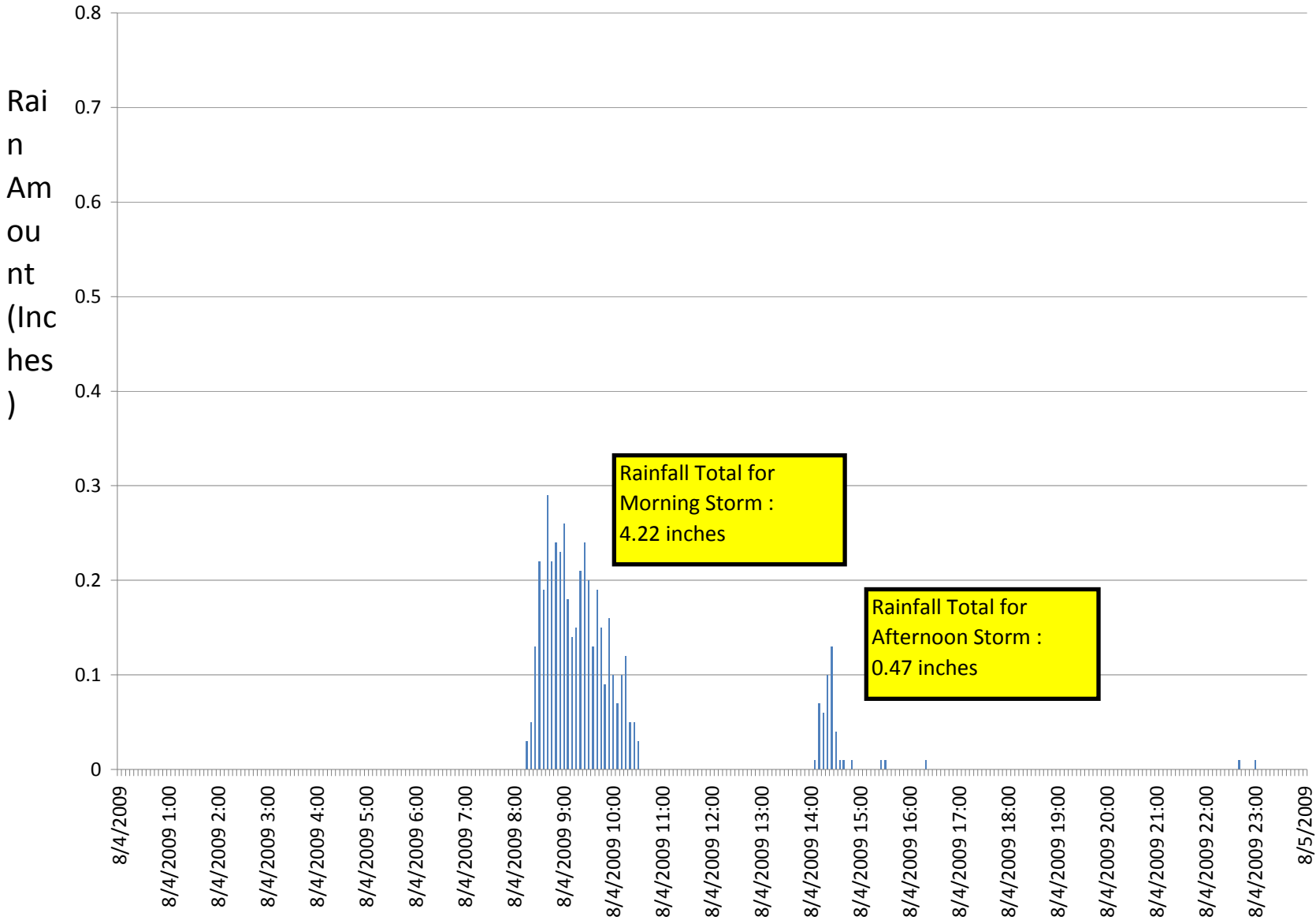
Rainfall Amounts at TR04 Morris Forman WTP August 4, 2009



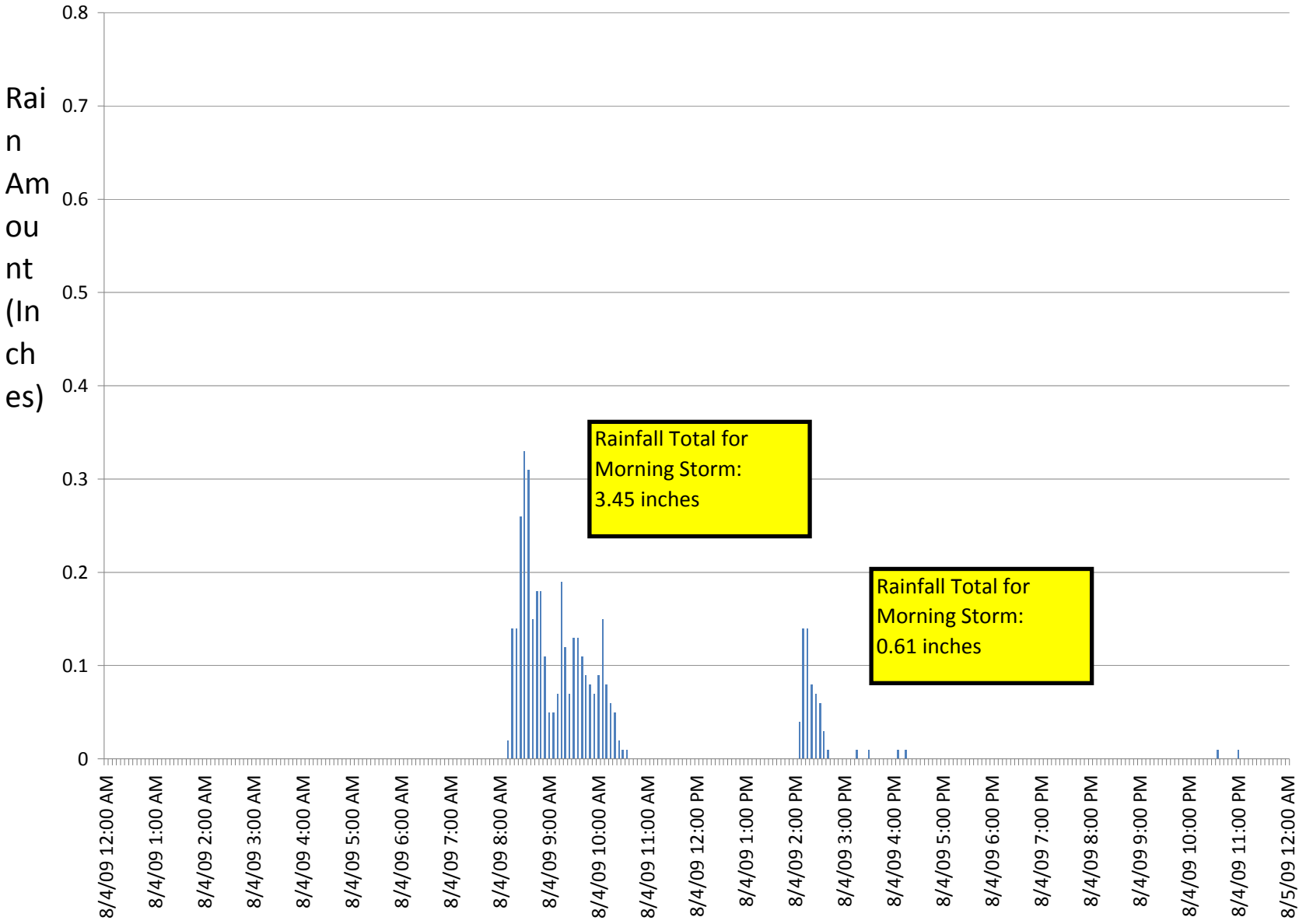
Rainfall Amounts at TR05 Beargrass Creek Pump Station August 4, 2009



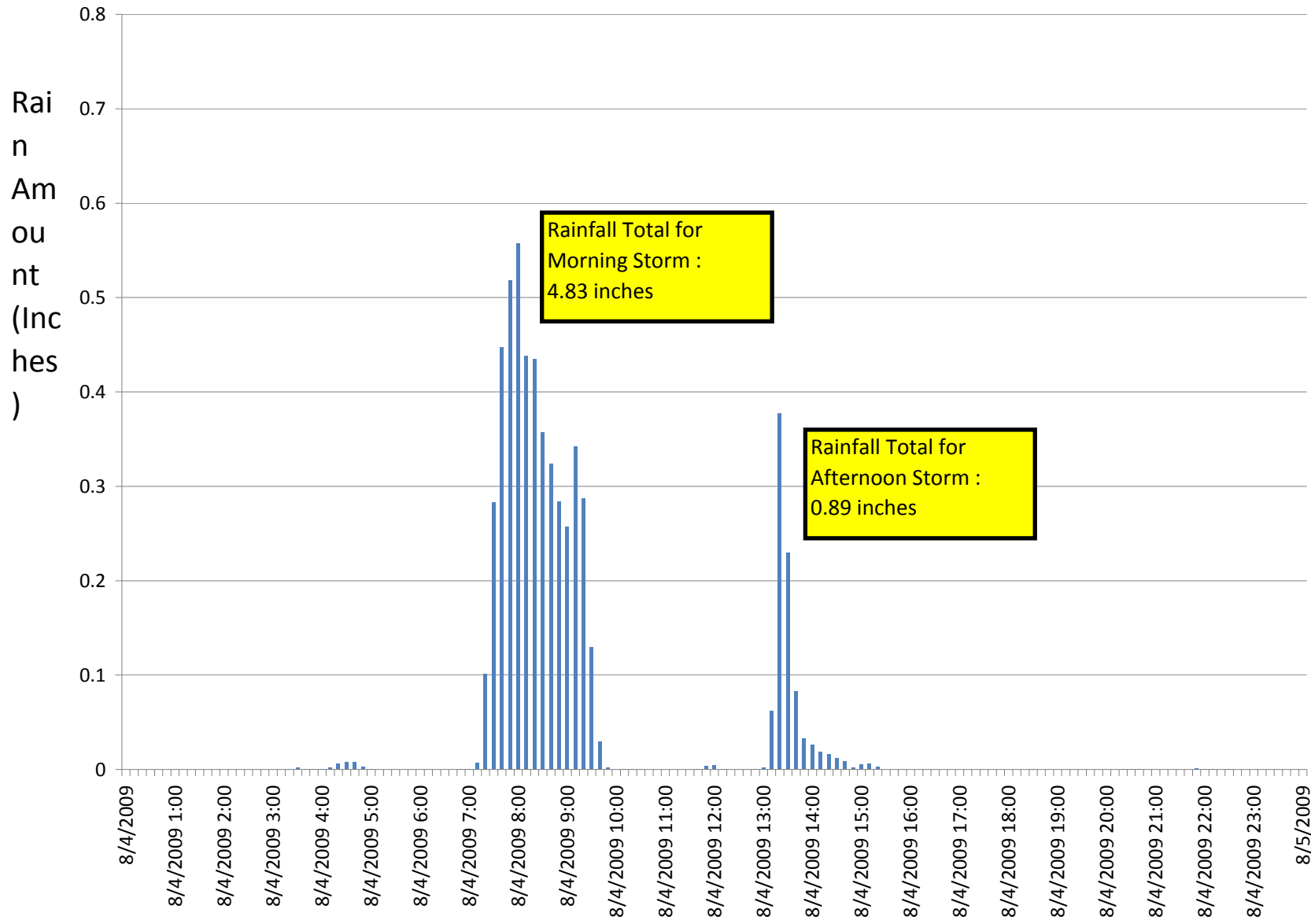
Rainfall Amounts at TR12 Nightingale Pump Station August 4, 2009



Rainfall Amounts at TR13 St. Matthews Elementary August 4, 2009



Average Radar Rainfall Amounts along Downtown and Ohio River August 4, 2009



Attachment D
Customer Service Map for 72 Hours
Following the Storm

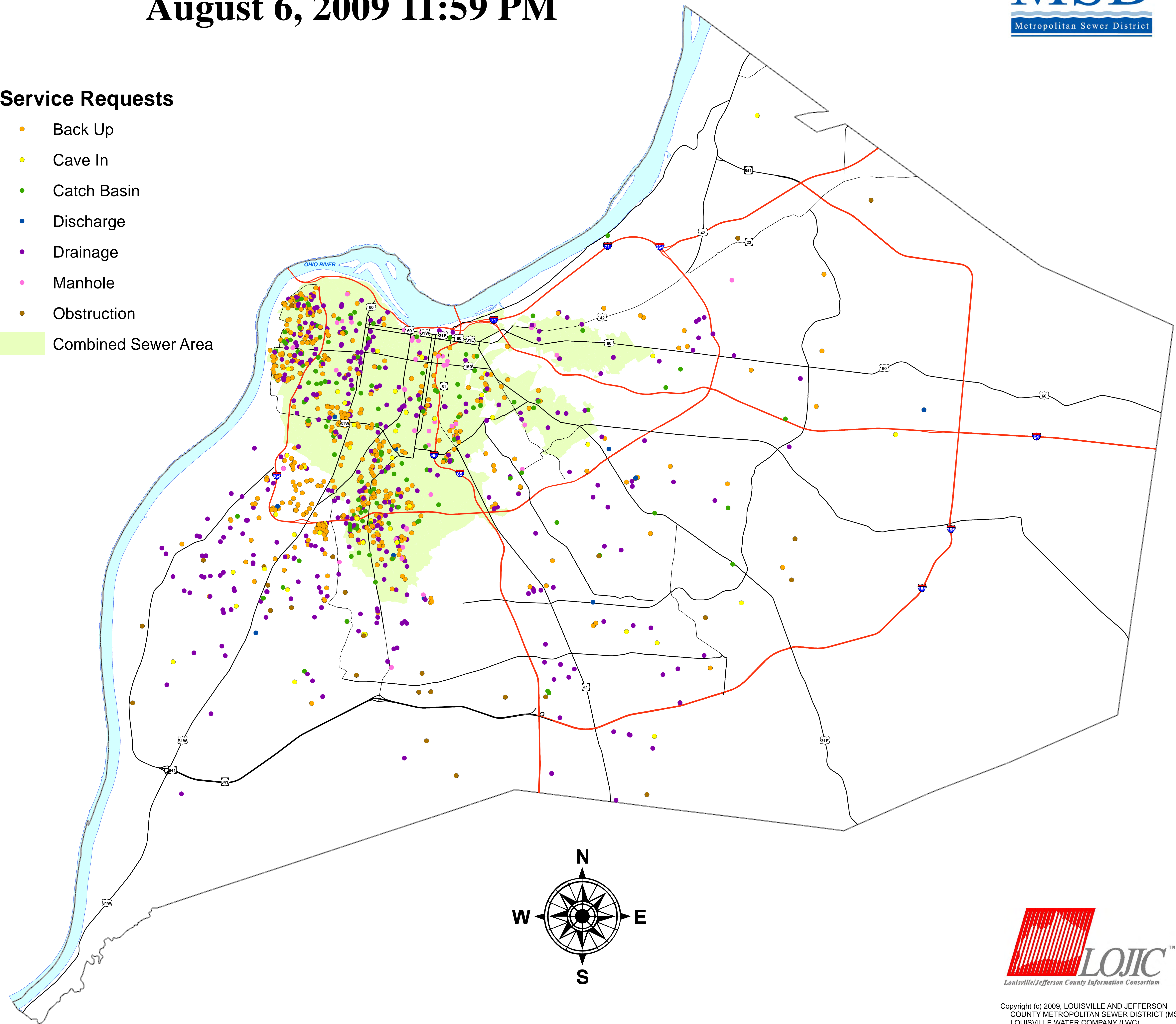
Rain Event August 4, 2009

Service Requests August 4, 2009 12:01 AM to August 6, 2009 11:59 PM



Service Requests

- Back Up
- Cave In
- Catch Basin
- Discharge
- Drainage
- Manhole
- Obstruction
- Combined Sewer Area



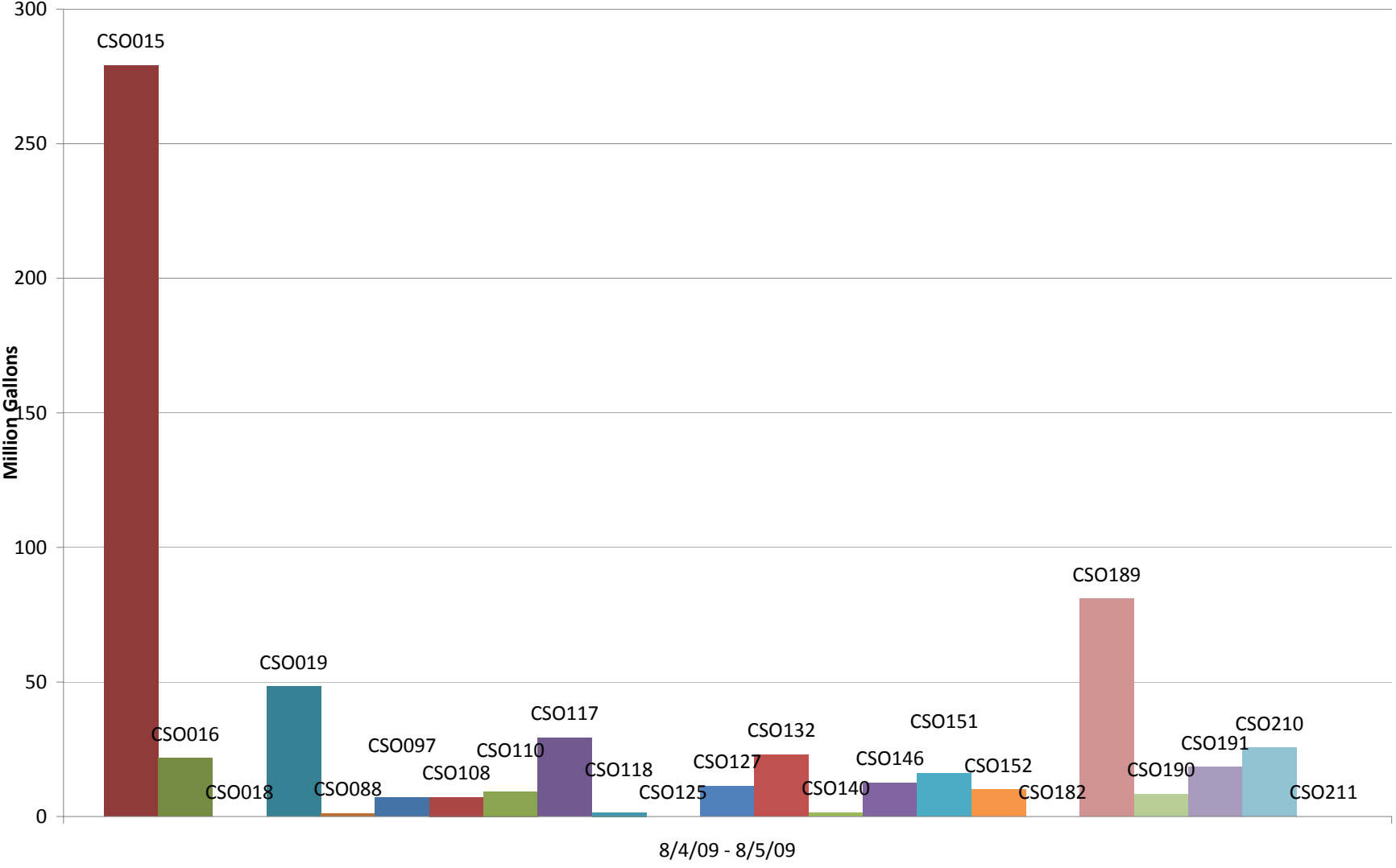
0 7,500 15,000 30,000 45,000 60,000 Feet



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Louisville & Jefferson County Information Consortium (LOJIC), a Jefferson County, Kentucky, based cooperative project of: Louisville/Jefferson Metro Government, Louisville Water Company, Metropolitan Sewer District, Property Valuation Administrator

Attachment E
CSO Flow Monitoring Data
Available for the Storm

CSO Overflow Volumes between August 4th & August 5th 2009



Attachment F
Modeled Approximate CSO Flow
for Major Areas

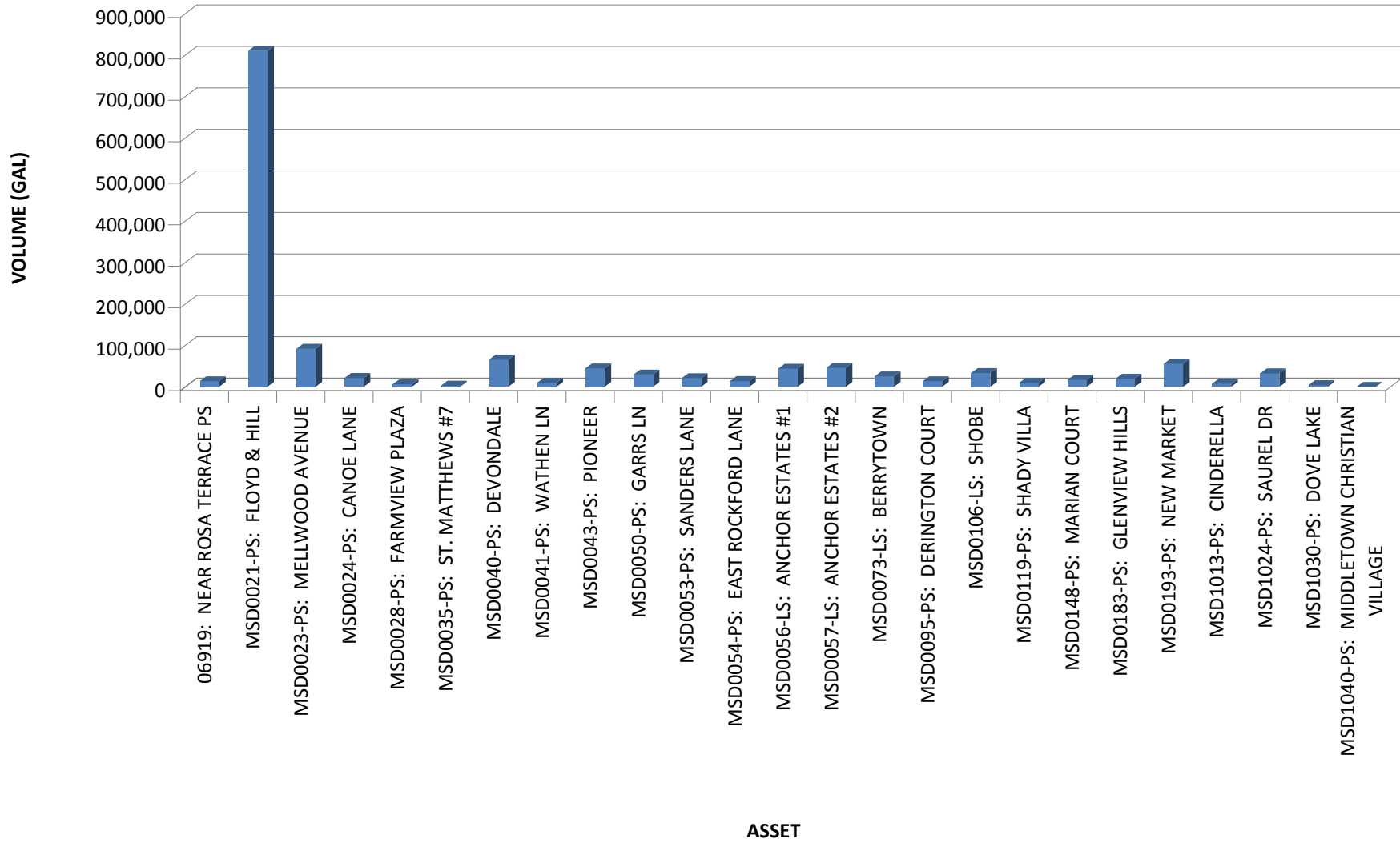
Gallons Down over CSS	Model	5.6 BG
Total Combined Sewer Overflow	Model	2.6
Total Treated at MFWQTC	Measured	450 MG
Infiltration/Direct Stream Runoff Volume	Model	2.55 BG

Approximate Overflow & Treatment within the CSS

<u>Location</u>	<u>Source</u>	<u>Volume (MG)</u>
CSO015 & 191	Model	600
MFWQTC Treated	Measured	450
CSO016, 210, 211	Model/Measured	300
CSO104, 105	Model	100
CSO189	Measured	100
CSO019	Measured	80
Downtown CSOs	Model/Measured	200
CSO020 & 62	Model	20
Beargrass CSOs	Model/Measured	500

Attachment G
Hauling Volume Chart by Location

VOLUME HAULED AUGUST 4, 2009



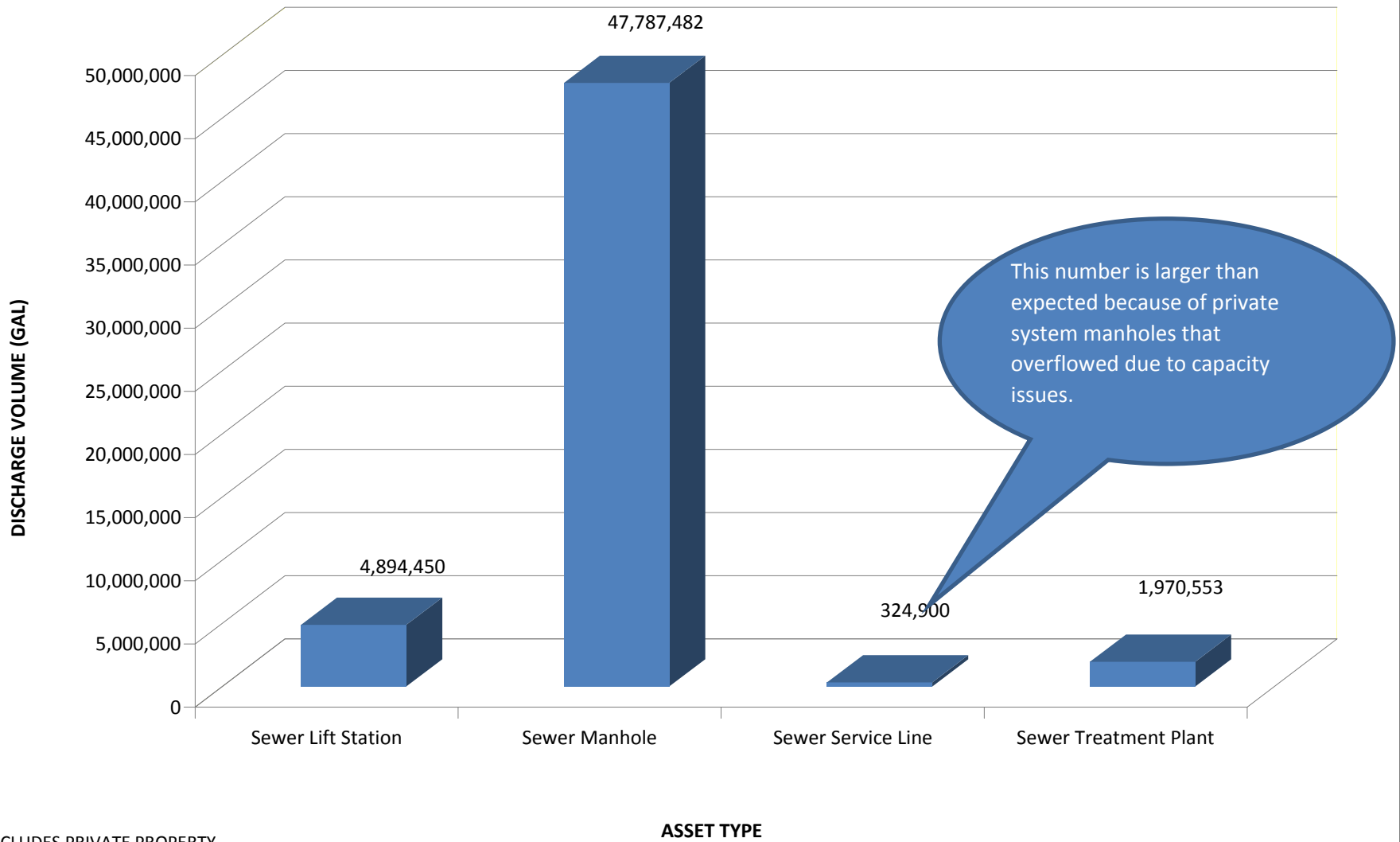
Attachment H
Significant Event Log Explaining Major
Occurrences During the Storm

DATE	TIME	MESSAGE
8/4/2009	5:43:50 AM	Small to moderate cell tracking across northeast portion of Jefferson County. Two hour prediction calls for .20" in northeast portion of Metro Louisville.
8/4/2009	7:36:39 AM	Heavy cell moving into northeast portion of Jefferson County. Two hour prediction calls for .50" in northeast portion of Metro Louisville.
8/4/2009	7:50:00 AM	Severe Thunderstorm Warning issued for northeastern Jefferson County Kentucky
8/4/2009	8:05:12 AM	Severe thunderstorm WARNING for northeast Jefferson County until 8 AM.
8/4/2009	8:13:00 AM	Flash Flood Warning issued for northeastern Jefferson County Kentucky
8/4/2009	8:17:00 AM	Severe Thunderstorm Warning issued for Jefferson County, Kentucky
8/4/2009	8:20:00 AM	60mph winds at Interstate 64 and Hurstbourne in Louisville
8/4/2009	8:28:00 AM	Quarter sized hail at the YMCA in Jeffersonville.
8/4/2009	8:28:35 AM	HEAVY cell tracking across Metro Louisville. two hour prediction calls for 1.5" to 2" across Metro Louisville.
8/4/2009	8:44:00 AM	Severe Weather Statement issued for Jefferson County, Kentucky
8/4/2009	8:45:00 AM	Flash Flood Warning issued for western Jefferson County Kentucky
8/4/2009	8:50:00 AM	Water rescue on East Grey Street and several feet of water on Second Street in Louisville
8/4/2009	8:52:00 AM	Dime sized hail in Louisville.
8/4/2009	9:15:00 AM	Interstate 65 closed in Louisville
8/4/2009	9:18:00 AM	Flash Flood Warning issued for southern Jefferson County, Kentucky
8/4/2009	9:24:00 AM	Flash Flood Warning issued for northeastern Jefferson County Kentucky
8/4/2009	9:37:17 AM	Rainfall accumulation across Metro Louisville is 2" to 4". Will need reconnaissance called into 540-6462 before 11 AM.
8/4/2009	9:37:21 AM	2" to 4" down across Metro Louisville. Will northeastern reconnaissance called into 540-6462 before 11
8/4/2009	9:40:00 AM	Flash Flood Statement issued for Flood Emergency in Louisville
8/4/2009	9:44:00 AM	Flash Flood Statement issued for Flood Emergency in southern Jefferson County, Kentucky
8/4/2009	9:49:00 AM	Torrential rain in Louisville.
8/4/2009	9:53:00 AM	Nickel sized hail in Shively.
8/4/2009	9:59:44 AM	Surface flooding reported throughout Jefferson County, currently working 40 high wet wells, 4 powerfailures. Treatment plant flows are elevated.
8/4/2009	10:00:00 AM	All I&FP Field personnel and Supervisors out in the field. Blocking dangerous roads and providing recon information
8/4/2009	10:00:00 AM	The pumps are running in Beechwood Village and Hightate Springs and Fleet is providing assistance to make sure they remain fully functional
8/4/2009	10:00:00 AM	Power at CMF has been touch and go. Laptops are running to prevent any delay in dispatch. Rear of building and parking lot is experiencing flooding.
8/4/2009	10:15:00 AM	Cars submerged in downtown parking lot in Louisville
8/4/2009	10:23:00 AM	Torrential rain in Valley Station.
8/4/2009	10:36:33 AM	Currently working 55 high wet wells, and 4 powerfailures. Two hour prediction calls for additional .50" to 1" mostly across southern portion of Jefferson County.
8/4/2009	10:30:00 AM	MFWQTC showing signs of internal flooding - Final Effluent PS placed in service
8/4/2009	10:40:00 AM	Several roads have one to two feet of water on them, and there are many flooded basements near Churchill Downs
8/4/2009	11:15:00 AM	Gagle Ave Basin: Full, but draining
8/4/2009	12:30:00 AM	I&FP has received 435 requests at this time. Staff is experiencing difficulty getting around due to flooding. Staff trapped on 165
8/4/2009	12:42:00 PM	SF Dam: OK and draining
8/4/2009	12:46:03 PM	Six inches of rain in 75 min. at Morris Forman - no power at South Western Pump Station - Main Diversion sluice gate not operational
8/4/2009	12:48:00 PM	Beeckinridge Ln: 1/2 full
8/4/2009	12:54:00 PM	Hikes Ln @ 2403, 2255, 3609 all draining
8/4/2009	1:00:00 AM	Champions Trace (Bashford Manor Area): Beargrass Creek full, but draining 1

DATE:	TIME:	MESSAGE:
8/4/2009	1:00:39 PM	Currently working 67 high wet wells, two hour prediction calls for additional 1" to 2" across most of Metro Louisville.
8/4/2009	1:04:00 AM	Fountain Square: Beargrass Creek full
8/4/2009	1:21:00 AM	Richland Ave: 3/4 full but draining
8/4/2009	1:24:54 PM	The Disaster Response Center is being activated. Please report as soon as possible. Set up staff needs to be in the room first and all others should wait in the hallway.
8/4/2009	1:30:00 AM	Judge Blvd (Roberson Run): Basin draining. No water in basin other than flowage way
8/4/2009	1:35:00 AM	Laurel Ridge: Water receded into Southern Ditch
8/4/2009	1:37:38 PM	Two hour prediction calls for 2" across most of Metro Louisville, expect winds to 50MPH with this next front moving in now.
8/4/2009	1:47:41 PM	Need reconnaissance called into 540-6462 before 2.
8/4/2009	1:59:31 PM	Disaster Response Center activated. Submit call in latest update report.
8/4/2009	2:00:00 AM	Melco Basin: Northern Ditch & basin full, but draining
8/4/2009	2:01:15 PM	Due to storm & flooding, Staff is to remain at work until relieved.
8/4/2009	2:12:14 PM	Latest 2 hour prediction calls for 4" to 5" of rainfall mostly in northeast portion of the county, but 4" across ALL of Metro Louisville, sewer system is full, protect homes.
8/4/2009	2:57:00 PM	I&FP has received 623 requests. Pumps at Beechwood/Hightgate will be monitored through 3rd shift. South Fork Dam working fine. CNG pumps out of service at CMF.
8/4/2009	2:44:50 PM	Front is losing intensity. 2 hour prediction calls for additional .50" to 1" mostly along southern portion of Jefferson County.
8/4/2009	3:04:16 PM	Manholes may be overflowing in street at Fountain Drive apts. Please send someone to see if we need to report additional locations.
8/4/2009	3:15:10 PM	Heavier cell tracking to our southwest currently. Two hour prediction calls for .15" to .20" across most of Metro Louisville.
8/4/2009	3:56:00 AM	SF Dam: OK water was receding
8/4/2009	4:02:00 AM	Breckinridge Ln water receded
8/4/2009	4:10:00 AM	Hikes Ln @ 2403, 2255, 3609 OK and draining
8/4/2009	4:10:00 AM	Champions Trace (Bashford Manor Area): Beargrass Creek full, but draining
8/4/2009	4:12:00 AM	Fountain Square: Beargrass Creek water had receded from area
8/4/2009	4:30:00 AM	Judge Blvd (Roberson Run): Basin draining. No water in basin other than flowage way
8/4/2009	4:34:00 AM	Laurel Ridge: Water receded into Southern Ditch
8/4/2009	4:45:00 AM	Melco Basin: Northern Ditch & basin full, but draining
8/4/2009	4:45:00 AM	Western FPS electric service failed, but has been restored
8/4/2009	5:15:13 PM	Disaster Response Center shut down.
8/4/2009	9:34:00 PM	Currently working 44 high wet wells, treatment plant flows are maxed out. Two hour prediction calls for .50" across most of Metro Louisville.
8/5/2009	7:56:51 AM	MGreely Standard Operating Procedure training will need to be rescheduled due to weather event.
8/5/2009	8:45:00 AM	8 of the 11 pumps still running in Beechwood/Hightgate. Crew at the library helping them pump out the remaining water in the basement. Crews are running Hot Spots and focusing on clearing debris from MSD assets. I&FP has received 833 service requests.
8/5/2009	9:00:00 AM	Power restored to SWPS
8/6/2009	4:22:41 PM	Down to a total of 4 high wet wells, treatment plant flows still elevated but are stable at this time.

Attachment I
Discharges to the Waters of the US
by Asset Type

WUS DISCHARGE VOLUME BY ASSET TYPE* AUGUST 4, 2009



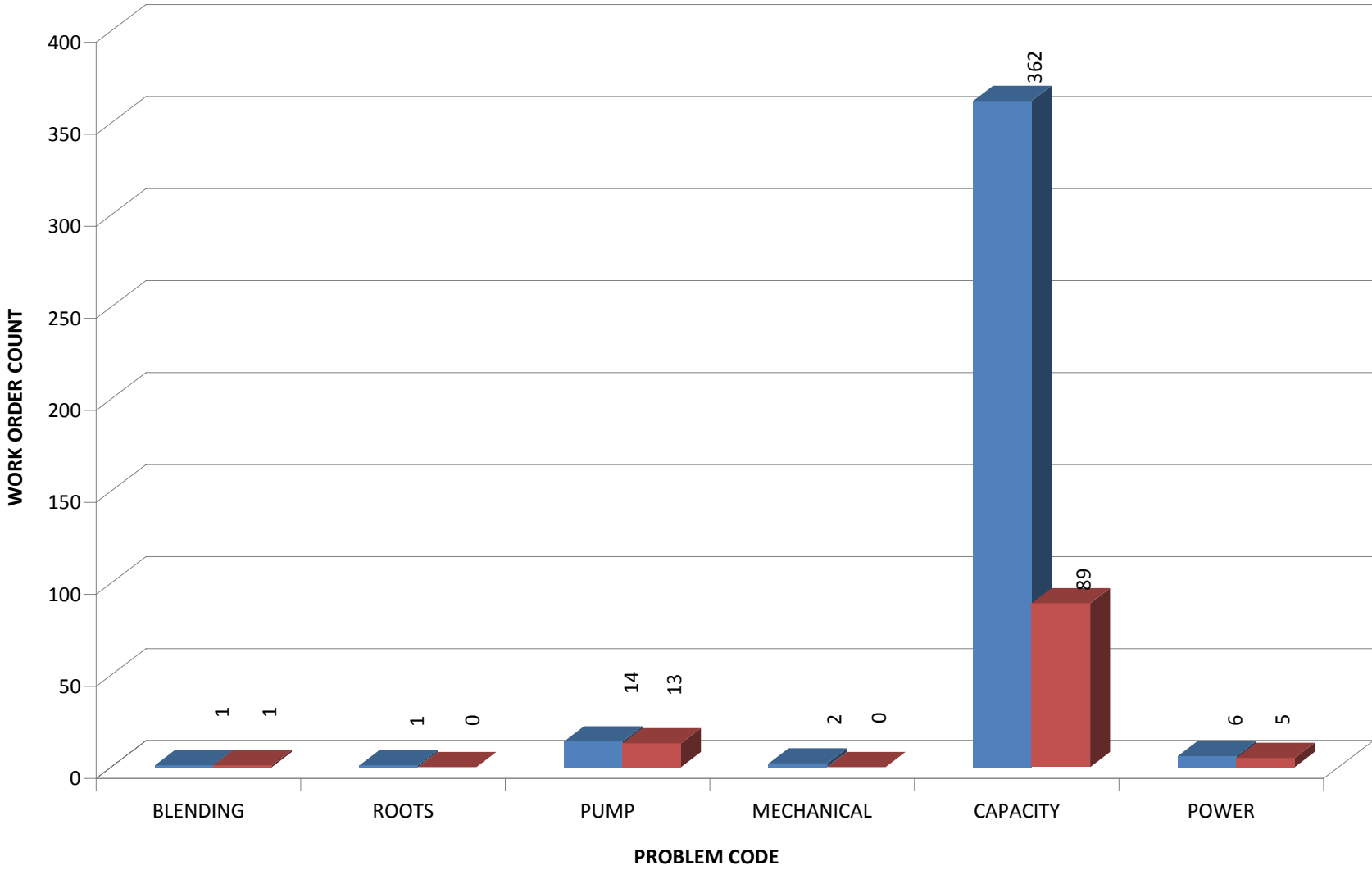
* EXCLUDES PRIVATE PROPERTY

ICCLIEC

Attachment J
Initiated Discharge Work Orders by Problem Code
Excluding Private Property Issues

INITIATED DISCHARGE WORK ORDERS*

AUGUST 4, 2009

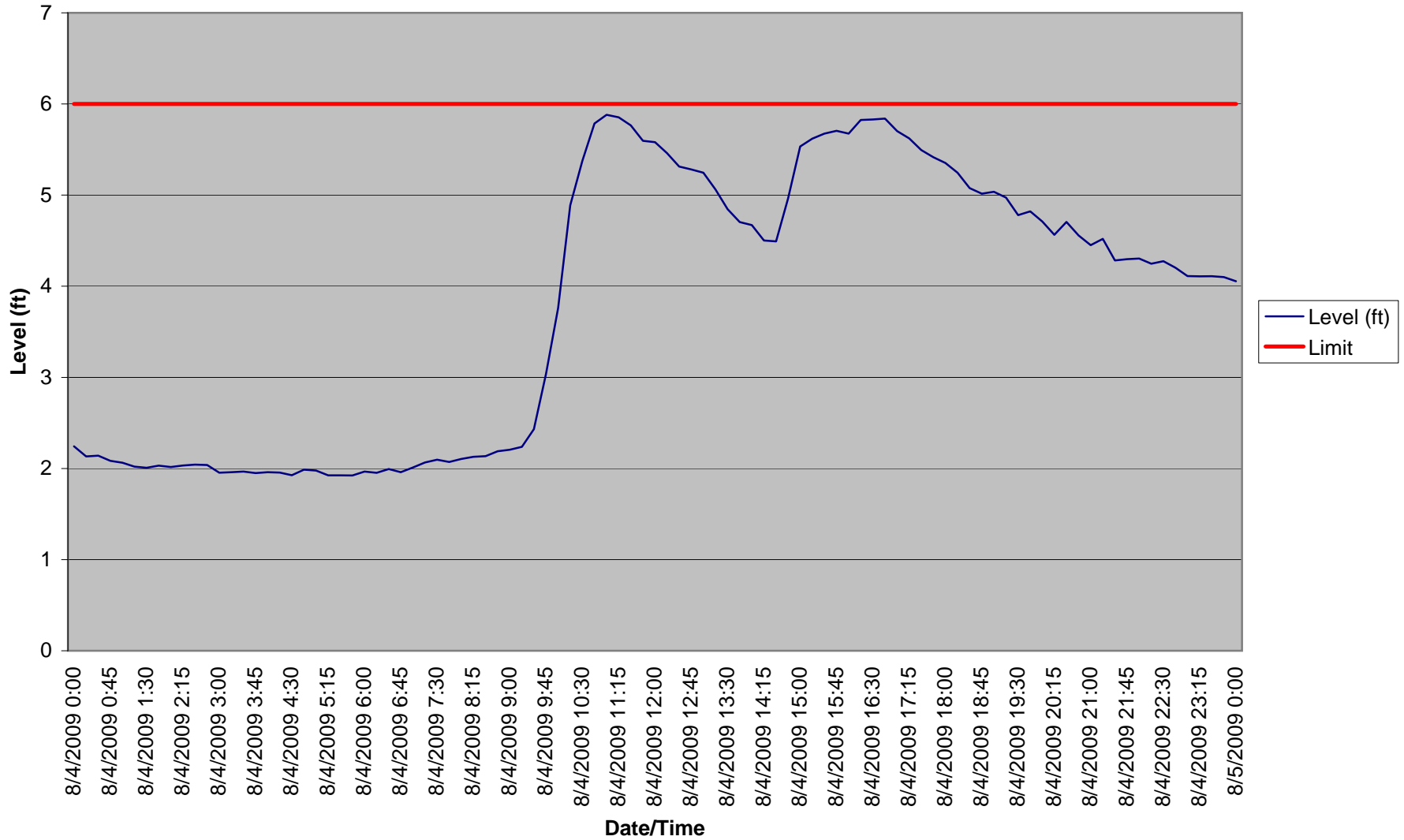


* EXCLUDES PRIVATE PROPERTY ISSUES

ALL WUS

Attachment K
Jeffersontown Siphon Level
During the Storm

J-Town Siphon Level during August 4th Rain Event



Attachment L
National Weather Service
Preliminary Storm Report

National Weather Service Weather Forecast Office Louisville, KY

Record-breaking heavy rains fell in Jefferson County, Kentucky, as well as Floyd and Clark Counties in Indiana as strong thunderstorms regenerated over the area. Rainfall amounts up to 6 inches fell between 7am and 10am EDT, especially in central Louisville. Five inches of rain fell in 90 minutes from 7:45am to 9:15am, and rainfall rates up to an astounding 8.80 inches per hour were reported.

There were no fatalities or injuries. A woman and two children were trapped and then rescued in New Albany. Ten kittens and a dog at the metro animal services shelter in Louisville drowned when the building flooded.

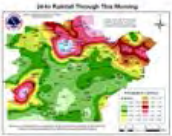

In Louisville, nearly 200 people were rescued by emergency workers from the tops of cars and houses. About 50 people were rescued by boat from a University of Louisville administrative office building. Two children were pulled from a swollen creek when neighbors saw them get swept away as they walked too close to the stream. Water was reported up to several feet deep in parts of Louisville. Cars were submerged in a downtown parking lot. Major flooding affected Churchill Downs and surrounding neighborhoods. Interstates 65 and 264 were closed. Floodwaters poured into homes and engulfed Louisville's main public library downtown, several area hospitals, horse barns at Churchill Downs, and the University of Louisville campus. Thousands of books were destroyed at the Louisville downtown library, with a million dollars in damage.

Other water rescues were also reported in New Albany as well as in Sellersburg. Massive flooding occurred in New Albany, where cars were set afloat. Up to three feet of water was on the streets of Jeffersonville, stalling vehicles. Water entered homes and businesses in Lanesville.

Officially at Standiford International Airport (SDF), 4.53 inches of rain fell, which broke the old record for highest rainfall in a single day in August (set back in 1879). Three inches of that rain fell in just one hour.

Dozens of flood warnings and statements were issued by the Louisville office of the National Weather Service. The average time between the issuance of a flood warning and the beginning of flooding was 63 minutes. The weather office received e-mails from the public thanking the meteorologists for issuing the flood products in a timely manner to give people ample warning of the unfolding disaster.

Below is a rainfall map constructed on the day of the flood. Note the amazing bullseye of torrential rainfall centered right over downtown Louisville and New Albany.

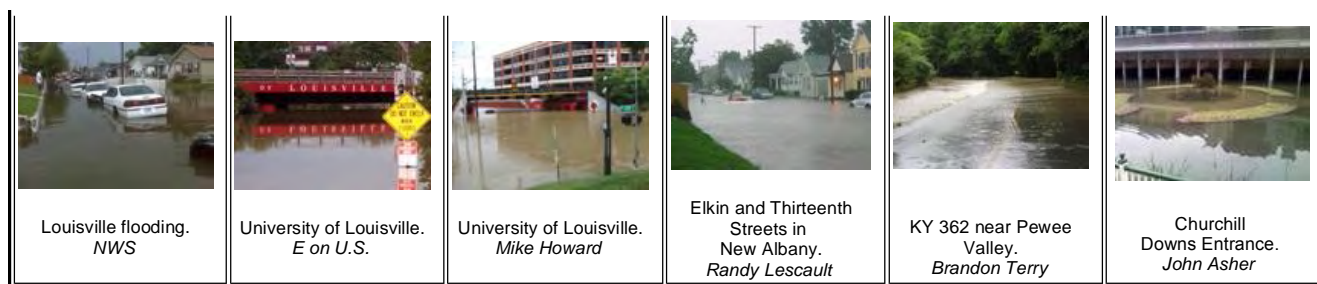
	<p>Click on the image to see a regional 24-hour precipitation totals map constructed on the morning after the flood.</p>
	<p>Click on this image to see a precipitation map zoomed in on Louisville.</p>

Timeline of the day's events, and products issued by your National Weather Service office in Louisville.

Photos:

(click on the image for a larger version)

 <p>Storm clouds moving into Bullitt County. <i>Walter Kalewski</i></p>	 <p>Storm clouds threatening northern Bullitt County. <i>Walter Kalewski</i></p>	 <p>Third and Magnolia Streets in Louisville. <i>Mike Howard</i></p>	 <p>These cars were picked up and moved by the floodwaters at 3rd and Magnolia. <i>Mike Howard</i></p>	 <p>Water rescue in Louisville. <i>E on U.S.</i></p>	 <p>Churchill Downs Track. <i>John Asher</i></p>



Preliminary Local Storm reports:

0545 AM HAIL 2 E PROSPECT 38.35N 85.57W
 08/04/2009 E0.75 INCH OLDHAM KY TRAINED SPOTTER

MARBLE SIZED HAIL JUST EAST OF PROSPECT.

0745 AM HAIL CHARLESTOWN 38.45N 85.67W
 08/04/2009 E1.00 INCH CLARK IN AMATEUR RADIO

QUARTER TO GOLF BALL SIZE HAIL.

0750 AM HAIL SELLERSBURG 38.39N 85.76W
 08/04/2009 E1.00 INCH CLARK IN LAW ENFORCEMENT

AT THE POLICE DEPARTMENT.

0755 AM TSTM WND DMG 1 N CEMENTVILLE 38.36N 85.75W
 08/04/2009 CLARK IN BROADCAST MEDIA

TREES DOWN NEAR INTERSTATE 65 AT EXIT 9.

0814 AM FLASH FLOOD JEFFERSONVILLE 38.30N 85.73W
 08/04/2009 CLARK IN TRAINED SPOTTER

STREAMS OUT OF BANKS.

0820 AM TSTM WND DMG LOUISVILLE 38.22N 85.74W
 08/04/2009 JEFFERSON KY AMATEUR RADIO

LARGE LIMBS DOWN. ESTIMATED 60 MPH GUST. AT I-64 AND
 HURSTBOURNE.

0821 AM FLASH FLOOD SELLERSBURG 38.39N 85.76W
 08/04/2009 CLARK IN BROADCAST MEDIA

WATER RESCUE FROM A VEHICLE IN LAKE SIDE ESTATES.

0823 AM FLASH FLOOD CHARLESTOWN 38.45N 85.67W
 08/04/2009 CLARK IN BROADCAST MEDIA

HIGH STREET IS CLOSED DUE TO FLOODING.

0825 AM FLASH FLOOD SCOTTSBURG 38.69N 85.78W
 08/04/2009 SCOTT IN EMERGENCY MNGR

BOWMAN ROAD IS CLOSED BY HIGH WATER BETWEEN SCOTTSBURG
 AND AUSTIN.

0828 AM HAIL JEFFERSONVILLE 38.30N 85.73W
 08/04/2009 E1.00 INCH CLARK IN BROADCAST MEDIA

AT THE YMCA.

0850 AM FLASH FLOOD NEW ALBANY 38.30N 85.83W
 08/04/2009 FLOYD IN EMERGENCY MNGR

CARS FLOATING ON SCRIBNER... MASSIVE DOWNTOWN FLOODING

0850 AM FLASH FLOOD LOUISVILLE 38.22N 85.74W
 08/04/2009 JEFFERSON KY EMERGENCY MNGR

WATER RESCUE ON EAST GREY STREET. SEVERAL FEET OF WATER
 ON SECOND STREET.

0852 AM HAIL LOUISVILLE 38.22N 85.74W
 08/04/2009 E0.75 INCH JEFFERSON KY AMATEUR RADIO

0904 AM HEAVY RAIN JEFFERSONVILLE 38.30N 85.73W
 08/04/2009 M3.55 INCH CLARK IN NWS EMPLOYEE

0906 AM FLASH FLOOD JEFFERSONVILLE 38.30N 85.73W
08/04/2009 CLARK IN BROADCAST MEDIA

3 FEET OF WATER ON EASTERN BOULEVARD... VEHICLE STUCK

0915 AM FLASH FLOOD LOUISVILLE 38.22N 85.74W
08/04/2009 JEFFERSON KY TRAINED SPOTTER

I-65 CLOSED DOWN IN DOWNTOWN. OVER 5 INCHES OF RAIN
REPORTED IN THE LAST 90 MINUTES AT TIME OF REPORT

0930 AM FLASH FLOOD SELLERSBURG 38.39N 85.76W
08/04/2009 CLARK IN BROADCAST MEDIA

HIGHWAY 31 IS CLOSED DUE TO HIGH WATER FROM SELLERSBURG
TO HENRYVILLE.

0932 AM FLASH FLOOD LOUISVILLE 38.22N 85.74W
08/04/2009 JEFFERSON KY NWS EMPLOYEE

BROWNSBORO ROAD IS CLOSED WEST OF CLIFTON.

0940 AM FLASH FLOOD NEW ALBANY 38.30N 85.83W
08/04/2009 FLOYD IN BROADCAST MEDIA

WOMAN AND TWO CHILDREN TRAPPED AND RESCUED IN WATER ON
VALLEY VIEW RD NEAR CHERRY STREET

0949 AM HEAVY RAIN LOUISVILLE 38.22N 85.74W
08/04/2009 M5.34 INCH JEFFERSON KY MESONET

RAINFALL SINCE 7 AM. AUTOMATED GAGE IN THE RUBBERTOWN
AREA.

0953 AM HAIL SHIVELY 38.20N 85.81W
08/04/2009 E0.88 INCH JEFFERSON KY BROADCAST MEDIA

1009 AM LIGHTNING LOUISVILLE 38.22N 85.74W
08/04/2009 JEFFERSON KY TRAINED SPOTTER

4 ALARM APARTMENT FIRE ON HURSTBOURNE LANE NEAR
INTERSTATE 64.

1012 AM FLASH FLOOD NEW ALBANY 38.30N 85.83W
08/04/2009 FLOYD IN BROADCAST MEDIA

WATER RESCUE CORYDON PIKE JUST SOUTH OF NEW ALBANY

1015 AM FLASH FLOOD LOUISVILLE 38.22N 85.74W
08/04/2009 JEFFERSON KY BROADCAST MEDIA

800 BUILDING DOWNTOWN CARS SUBMERGED IN PARKING LOT

1018 AM FLASH FLOOD SHIVELY 38.20N 85.81W
08/04/2009 JEFFERSON KY BROADCAST MEDIA

ROADS FLOODED IN SHIVELY

1023 AM HEAVY RAIN VALLEY STATION 38.10N 85.86W
08/04/2009 E1.00 INCH JEFFERSON KY BROADCAST MEDIA

ESTIMATED RAIN RATE 4 INCHES PER HOUR

1025 AM FLASH FLOOD JEFFERSONVILLE 38.30N 85.73W
08/04/2009 CLARK IN BROADCAST MEDIA

SEVERAL AREAS ARE CLOSED ALONG HIGHWAY 62 IN CLARK
COUNTY

1040 AM FLASH FLOOD 2 S LOUISVILLE 38.20N 85.74W
08/04/2009 JEFFERSON KY BROADCAST MEDIA

NUMBER OF ROADS HAVE 1 TO 2 FEET OF WATER AND
RESIDENTIAL FLOODING OF BASEMENTS NEAR CHURCHILL DOWNS

1105 AM FLASH FLOOD LANESVILLE 38.24N 85.98W
08/04/2009 HARRISON IN TRAINED SPOTTER

LITTLE INDIAN CREEK IN LANESVILLE FLOODING AND ENTERING
BASEMENTS OF SOME BUILDINGS ON THE NORTH SIDE OF STATE
ROAD 62.

1106 AM FLASH FLOOD HILLVIEW 38.07N 85.69W
08/04/2009 BULLITT KY EMERGENCY MNGR

ROAD BARRICADE AND CLOSURE HILLVIEW BLVD. BETWEEN TERRY
ROAD AND EARLYWOOD ROAD ... 16 TO 18 INCHES OF SWIFTLY
MOVING WATER OVER ROADWAY

1106 AM FLASH FLOOD ELIZABETH 38.13N 85.97W
08/04/2009 HARRISON IN TRAINED SPOTTER

BUCK CREEK IS COVERING SOME ROADS.

0145 PM TSTM WND GST SALEM 38.60N 86.10W
08/04/2009 E60 MPH WASHINGTON IN DEPT OF HIGHWAYS

NUMEROUS TREES DOWN ACROSS THE COUNTY

0153 PM FLASH FLOOD SCOTTSBURG 38.69N 85.78W
08/04/2009 SCOTT IN BROADCAST MEDIA

INTERSECTION OF HIGHWAY 31 AND 56 CLOSED DUE TO HIGH WATER.

0157 PM FLASH FLOOD SELLERSBURG 38.39N 85.76W
08/04/2009 CLARK IN BROADCAST MEDIA

WATER RESCUE FROM A VEHICLE ON HIGHWAY 31.

0204 PM TSTM WND DMG GOSHEN 38.41N 85.59W
08/04/2009 OLDHAM KY CO-OP OBSERVER

TREE ON HOUSE ON HARMONY LANDING ROAD. OCCUPANTS ARE TRAPPED INSIDE.

0212 PM TSTM WND DMG LOUISVILLE 38.22N 85.74W
08/04/2009 JEFFERSON KY BROADCAST MEDIA

8 INCH LIMB DOWNED AT TV STUDIO.

0215 PM FLASH FLOOD CANAAN 38.87N 85.30W
08/04/2009 JEFFERSON IN COUNTY OFFICIAL

COUNTY ROAD 250 IS IMPASSABLE. ROADS NEAR CREEKS JEFFERSON COUNTY ARE IMPASSABLE.

0215 PM FLASH FLOOD EDWARDSVILLE 38.28N 85.90W
08/04/2009 FLOYD IN DEPT OF HIGHWAYS

SEVERAL ROADS WASHED OUT TO ONE LANE ACROSS COUNTY... INCLUDING EDWARDSVILLE ROAD... CORYDON PIKE... AND TWO MILE LANE.

0224 PM FLASH FLOOD BEDFORD 38.59N 85.32W
08/04/2009 TRIMBLE KY DEPT OF HIGHWAYS

BRIDGES AND LOW WATER CROSSINGS IN THE BEDFORD AREA ARE UNDER WATER...INCLUDING HIGHWAYS 754 AND 625.

0230 PM TSTM WND DMG STAMPING GROUND 38.27N 84.69W
08/04/2009 SCOTT KY BROADCAST MEDIA

TREES DOWN AND POSSIBLY SOME STRUCTURAL DAMAGE.

0230 PM TSTM WND DMG STAMPING GROUND 38.27N 84.69W
08/04/2009 SCOTT KY EMERGENCY MNGR

NUMEROUS BUILDINGS WERE DAMAGED. TREES AND POWER LINES DOWN AND POWER POLES SNAPPED. NEAR THE INTERSECTION OF HIGHWAY 227 AND SEEBEE.

0233 PM HEAVY RAIN MADISON 38.76N 85.38W
08/04/2009 E3.00 INCH JEFFERSON IN CO-OP OBSERVER

3.00 INCHES AT CLIFTY CREEK SINCE THIS MORNING

0240 PM HEAVY RAIN JEFFERSONVILLE 38.30N 85.73W
08/04/2009 M5.50 INCH CLARK IN TRAINED SPOTTER

FELL SINCE 7 AM THIS MORNING.

0245 PM LIGHTNING CYNTHIANA 38.39N 84.30W
08/04/2009 HARRISON KY LAW ENFORCEMENT

LIGHTNING CAUSED A FIRE ON THE NORTH END OF THE COUNTY

0245 PM LIGHTNING CYNTHIANA 38.39N 84.30W
08/04/2009 HARRISON KY EMERGENCY MNGR

BARN BURNED ON RENAHER ROAD DUE TO LIGHTNING STRIKE BETWEEN BERRY AND CYNTHIANA

0245 PM FLASH FLOOD GEORGETOWN 38.20N 84.55W
08/04/2009 SCOTT KY EMERGENCY MNGR

SEVERAL ROADS IMPASSABLE WITH 1 TO 2 FEET OF WATER

FLOWING OVER THEM JUST NORTH OF GEOGRETOWN

0246 PM TSTM WND DMG STAMPING GROUND 38.27N 84.69W
08/04/2009 SCOTT KY LAW ENFORCEMENT

NUMEROUS TREES AND POWER POLES DOWN. DAMAGE TO TWO HOUSES.

0248 PM TSTM WND DMG NEW ALBANY 38.30N 85.83W
08/04/2009 FLOYD IN BROADCAST MEDIA

TREE DOWN ON 5 MILE LANE.

0254 PM TSTM WND DMG LEAVENWORTH 38.20N 86.35W
08/04/2009 CRAWFORD IN TRAINED SPOTTER

TREE DOWN ON A HOUSE.

0255 PM TSTM WND DMG 10 NE FRANKFORT 38.29N 84.73W
08/04/2009 SCOTT KY COUNTY OFFICIAL

GROVE OF TREES WERE DOWNED NEAR SULPHUR LICK ROAD...SNAVELY ROAD AND ROCK BRANCH ROAD

0300 PM TSTM WND DMG STEPHENSBURG 37.63N 86.02W
08/04/2009 HARDIN KY TRAINED SPOTTER

TREES DOWNED AND A SMALL OUTBUILDING FLIPPED OVER.

0305 PM FLASH FLOOD PEWEE VALLEY 38.31N 85.49W
08/04/2009 OLDHAM KY TRAINED SPOTTER

8 TO 10 INCHES OF FAST FLOWING WATER ON HIGHWAY 362.

0305 PM TSTM WND DMG CLOVERPORT 37.83N 86.63W
08/04/2009 BRECKINRIDGE KY COUNTY OFFICIAL

TREE DOWN ON HIGHWAY 105 NEAR THE CLOVERPORT BOAT RAMP

0307 PM TSTM WND DMG ENGLISH 38.33N 86.46W
08/04/2009 CRAWFORD IN TRAINED SPOTTER

TREES SNAPPED

0312 PM FLASH FLOOD 7 N FRANKFORT 38.29N 84.87W
08/04/2009 FRANKLIN KY EMERGENCY MNGR

NUMEROUS ROADS WERE FLOODED IN THE COUNTY. THEY INCLUDED CAMP PLEASANT ROAD AND SEEDER ROAD IN THE PEAKS MILL AREA. THERE WAS A HIGH WATER RESCUE ON OAKLAND BRANCH ROAD. NUMEROUS SECONDARY ROADS IN NORTHEAST FRANKLIN COUNTY WERE COVERED WITH WATER.

0315 PM TSTM WND DMG ELIZABETHTOWN 37.70N 85.87W
08/04/2009 HARDIN KY TRAINED SPOTTER

FULL GROWN TREE DOWN ON WESTPORT RD. AND ST. JOHN

0329 PM TSTM WND DMG HARNED 37.75N 86.42W
08/04/2009 BRECKINRIDGE KY TRAINED SPOTTER

TREES AND POWER LINES DOWN

0333 PM FLASH FLOOD LEXINGTON 38.04N 84.46W
08/04/2009 FAYETTE KY NWS EMPLOYEE

8 TO 9 INCHES OF FLOWING WATER OVER TODDS ROAD FOREST HILL AND MCFARLAND LN

0343 PM TSTM WND DMG CAMPBELLSVILLE 37.35N 85.35W
08/04/2009 TAYLOR KY EMERGENCY MNGR

SEVERAL TREES DOWN WITHIN CITY LIMITS AND METAL ROOF REPORTED BLOWN OFF

0345 PM TSTM WND DMG LANCASTER 37.62N 84.58W
08/04/2009 GARRARD KY EMERGENCY MNGR

METAL AND WOODEN BARN DEMOLISHED ALONG WITH SEVERAL GREENHOUSES.

0348 PM TSTM WND DMG LANCASTER 37.62N 84.58W
08/04/2009 GARRARD KY TRAINED SPOTTER

TREES AND POWER LINES DOWN NEAR 1295 AND GILLESPIE WITH DAMAGE TO A HOUSE ON 1295.

0353 PM TSTM WND DMG BERA 37.58N 84.29W
08/04/2009 MADISON KY EMERGENCY MNGR

TREES FELL AT JOHNSON RD... GABBERTOWN RD... AND AT 21 EAST

0400 PM FLASH FLOOD 10 N FRANKFORT 38.34N 84.87W
08/04/2009 FRANKLIN KY COUNTY OFFICIAL

OAKLAND BRANCH ROAD... SLICKAWAY BRANCH ROAD AND SOUTH SCRUGGS ROAD FLOODED.

0415 PM TSTM WND DMG ROCHESTER 37.21N 86.89W
08/04/2009 BUTLER KY EMERGENCY MNGR

TREES DOWN NEAR ROCHESTER

0502 PM FLASH FLOOD LEXINGTON 38.04N 84.46W
08/04/2009 FAYETTE KY TRAINED SPOTTER

4 INCHES OF RUNNING WATER ON ROADS IN BRANNON CROSSING SHOPPING CENTER. 3 TO 6 INCHES OF WATER ON MAN O WAR BLVD AT CLEARWATER DR.

0520 PM TSTM WND DMG PLUM SPRINGS 37.02N 86.38W
08/04/2009 WARREN KY EMERGENCY MNGR

STRONG WINDS CAUSED ARCHING TRANSFORMERS NEAR THOMAS COURT NEAR PLUM SPRINGS... AND DOWNTOWN BOWLING GREEN NEAR INTERSECTION OF WOODFORD AVE AND CLAY

0520 PM TSTM WND DMG BOWLING GREEN 36.97N 86.44W
08/04/2009 WARREN KY EMERGENCY MNGR

POWER POLE DOWN NEAR CREEK WOOD AVE AND RUSSELL RD

0522 PM HAIL BOWLING GREEN 36.97N 86.44W
08/04/2009 M0.88 INCH WARREN KY TRAINED SPOTTER

0546 PM TSTM WND DMG LEWISBURG 36.99N 86.95W
08/04/2009 LOGAN KY LAW ENFORCEMENT

SEVERAL TREES DOWN IN THE LEWISBURG AREA

0623 PM TSTM WND DMG 12 W FRANKLIN 36.73N 86.79W
08/04/2009 LOGAN KY LAW ENFORCEMENT

SEVERAL TREES DOWN IN MIDDLETON AREA

0634 PM TSTM WND DMG VERSAILLES 38.05N 84.73W
08/04/2009 WOODFORD KY COUNTY OFFICIAL

TWO TREES DOWN ALONG OLD FRANKFORT PIKE BETWEEN MIDWAY AND VERSAILLES

0852 PM TSTM WND DMG LEWISBURG 36.99N 86.95W
08/04/2009 LOGAN KY LAW ENFORCEMENT

TREES DOWN ON HWY 96 IN LEWISBURG

0900 PM FLOOD 5 NE CORYDON 38.26N 86.06W
08/04/2009 HARRISON IN TRAINED SPOTTER

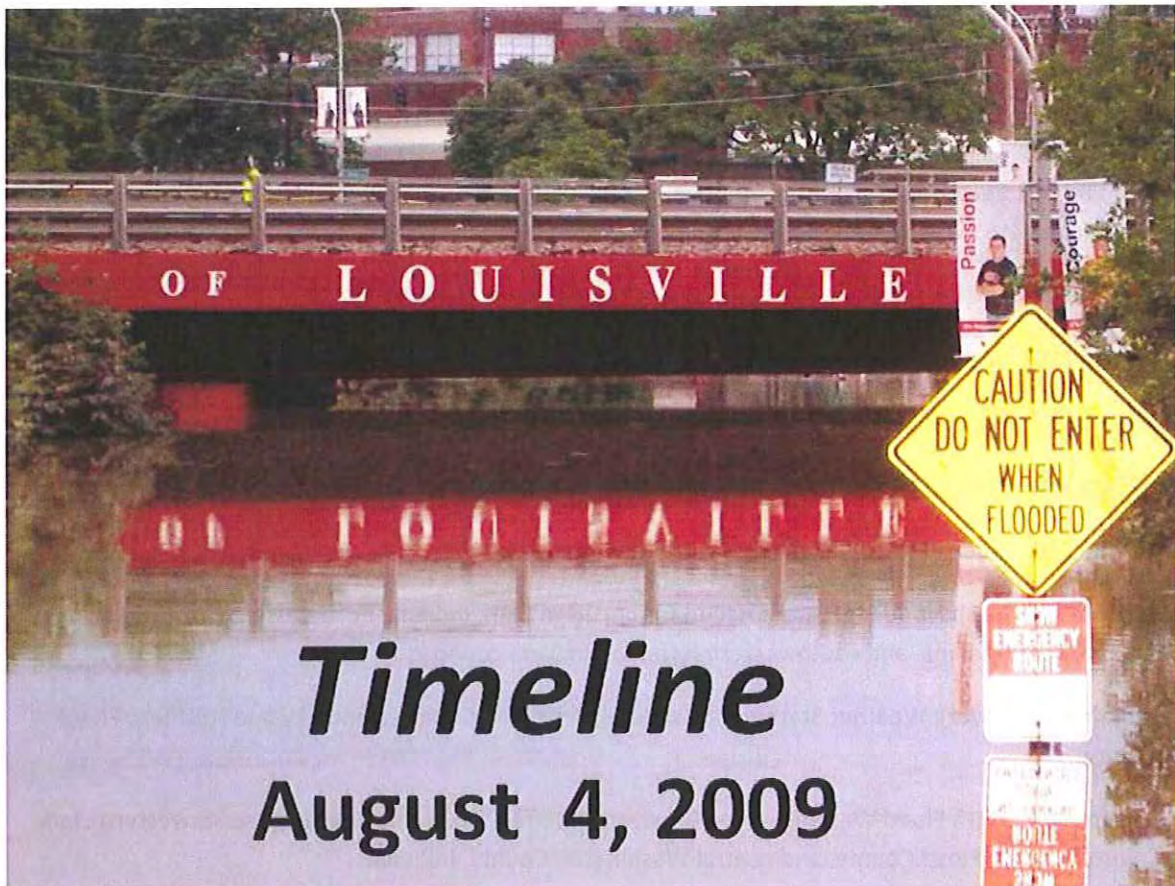
BIG INDIAN CREEK FLOODING WELL OUT OF ITS BANKS.

0903 PM TSTM WND GST RUSSELLVILLE 36.84N 86.89W
08/04/2009 E60 MPH LOGAN KY TRAINED SPOTTER

0921 PM FLASH FLOOD 3 S BEAVER DAM 37.37N 86.88W
08/04/2009 OHIO KY EMERGENCY MNGR

12 TO 13 INCHES OF FLOWING WATER OVER BALD KNOB ROAD.

National Weather Service
Louisville, KY Weather Forecast Office
6201 Theiler Lane
Louisville, KY 40229-1476
502-969-8842
Page Author: LMK Webmaster
Web Master's E-mail: w-lmk.webmaster@noaa.gov
Page last modified: August 8th 2009 9:41 AM



5:37am EDT: Mesoscale Discussion issued by SPC for southern Indiana.

5:45am EDT: Dime sized hail in Oldham County east of Prospect.

6:38am EDT: Severe Thunderstorm Warning issued for northern Clark County Indiana, southwestern Jefferson County Indiana, Scott County Indiana, and eastern Washington County Indiana.

7:12am EDT: Severe Weather Statement issued for northern Clark County Indiana, eastern Washington County Indiana, Scott County Indiana, and southwestern Jefferson County Indiana.

7:36am EDT: Flash Flood Warning issued for northern Clark County Indiana, southwestern Jefferson County Indiana, Scott County Indiana, and northeastern Washington County, Indiana.

7:45am EDT: Golf ball sized hail in Charlestown.

7:50am EDT: Severe Thunderstorm Warning issued for northeastern Jefferson County Kentucky, western Oldham County, and southern Clark County Indiana.

7:50am EDT: Quarter sized hail in Sellersburg.

7:55am EDT: Trees down near Interstate 65 at Exit 9 in Clark County, Indiana.

8:13am EDT: Flash Flood Warning issued for northeastern Jefferson County Kentucky, western Oldham County, and Clark County, Indiana.

8:14am EDT: Streams out of their banks in Jeffersonville.

8:17pm EDT: Severe Thunderstorm Warning issued for Jefferson County, Kentucky and southern Floyd County.

8:20am EDT: 60mph winds at Interstate 64 and Hurstbourne in Louisville.

8:21am EDT: Water rescue from a vehicle in Sellersburg.

8:23am EDT: High Street closed due to flooding in Charlestown.

8:25am EDT: Bowman Road closed due to flooding between Scottsburg and Austin.

8:28am EDT: Quarter sized hail at the YMCA in Jeffersonville.

8:37am EDT: Flash Flood Statement issued for northern Clark Indiana, northeastern Washington Indiana, Scott Indiana, and southwestern Jefferson Indiana counties.

8:44am EDT: Severe Weather Statement issued for Jefferson County, Kentucky and southern Floyd County.

8:45am EDT: Flash Flood Warning issued for western Jefferson County Kentucky, southwestern Clark County Indiana, Floyd County, and central Washington County, Indiana.

8:50am EDT: Cars floating on Scribner Road with massive downtown flooding in New Albany.

8:50am EDT: Water rescue on East Grey Street and several feet of water on Second Street in Louisville.

8:52am EDT: Dime sized hail in Louisville.

9:04am EDT: Torrential rain in Jeffersonville.

9:06am EDT: Three feet of water on Eastern Boulevard stranding vehicles in Jeffersonville.

9:14am EDT: Special Weather Statement issued for heavy rain in the Blue Grass.

9:15am EDT: Interstate 65 closed in Louisville.

9:18am EDT: Flash Flood Warning issued for southern Jefferson County, Kentucky.

9:24am EDT: Flash Flood Warning issued for northeastern Jefferson County Kentucky, western Oldham County, and Clark County, Indiana.

9:24am EDT: Mesoscale Discussion issued by SPC for southern Indiana.

9:30am EDT: Apartment caught fire after a lightning strike off Southside Drive and New Cut Road.

9:30am EDT: US 31 closed due to flooding from Sellersburg to Henryville.

9:32am EDT: Brownsboro Road closed west of Clifton in Louisville.

9:35am EDT: Flash Flood Statement issued for Flood Emergency in Clarksville, Jeffersonville, New Albany, and Louisville.

9:40am EDT: Flash Flood Statement issued for Flood Emergency in Louisville, Jeffersonville, and Clarksville.

9:40am EDT: Woman and two children trapped in water and rescued on Valley View Road near Cherry Street in New Albany.

9:44am EDT: Flash Flood Statement issued for Flood Emergency in southern Jefferson County, Kentucky.

9:45am EDT: Severe Thunderstorm Watch issued for southern Indiana and extreme northern Kentucky.

9:47am EDT: Mesoscale Discussion issued by SPC for southern Indiana and northern Kentucky.

9:49am EDT: Torrential rain in Louisville.

9:53am EDT: Nickel sized hail in Shively.

10:09am EDT: Four-alarm apartment fire on Hurstbourne Lane near Interstate 64 in Louisville.

10:12am EDT: Water rescue on Corydon Pike just south of New Albany.

10:13am EDT: Flood Warning issued for northern Clark County Indiana, southwestern Jefferson County Indiana, Scott County Indiana, and northeastern Washington County, Indiana.

10:15am EDT: Cars submerged in downtown parking lot in Louisville.

10:17am EDT: Flash Flood Statement issued for northern Clark County Indiana, northeastern Washington County Indiana, Scott County Indiana, and southwestern Jefferson County, Indiana.

10:18am EDT: Roads flooded in Shively.

10:23am EDT: Torrential rain in Valley Station.

10:25am EDT: Several roads are closed along IN 62 in Clark County.

10:40am EDT: Several roads have one to two feet of water on them, and there are many flooded basements near Churchill Downs.

10:48am EDT: Flood Warning issued for western Jefferson County Kentucky, southwestern Clark County Indiana, and Floyd County.

10:50am EDT: Flash Flood Statement issued for western Jefferson County Kentucky, Floyd County, southwestern Clark County Indiana, and central Washington County Indiana.

10:55am EDT: Flood Warning issued for northeastern Jefferson County Kentucky, western Oldham County, and Clark County Indiana.

10:56am EDT: Flash Flood Statement issued for northeastern Jefferson County Kentucky, western Oldham County, and Clark County Indiana.

11:00am EDT: Flood Warning issued for southern Jefferson County, Kentucky.

11:01am EDT: Flash Flood Statement issued for southern Jefferson County, Kentucky.

11:05am EDT: Little Indian Creek in Lanesville flooded and entered basements on the north side of IN 62.

11:06am EDT: Hillview Boulevard closed between Terry Road and Earlywood Road in Hillview. A foot and a half of swiftly moving water over the roadway.

11:06am EDT: Buck creek over the road in Elizabeth.

11:23am EDT: Flood Warning issued for northeast Bullitt County.

11:30am EDT: Flood Warning issued for Harrison County, Indiana.

11:51am EDT: Flood Statement issued for northeastern Washington County Indiana, Scott County Indiana, southwestern Jefferson County Indiana, and northern Clark County, Indiana.

12:13pm EDT: Flood Statement issued for northwestern Clark County, Indiana.

12:35pm EDT: Flash Flood Warning issued for Jefferson County, Indiana.

12:41pm EDT: Mesoscale Discussion issued by SPC for central Kentucky and southern Indiana.

1:03pm EDT: Severe Thunderstorm Warning issued for Dubois County and western Orange County.

1:14pm EDT: Severe Thunderstorm Warning issued for southwestern Jefferson County Indiana, Scott County Indiana, and northern Washington County, Indiana.

1:17pm EDT: Flash Flood Warning issued for Scott County, Indiana and northeastern Washington County, Indiana.

1:20pm EDT: Severe Thunderstorm Watch issued for much of central Kentucky.

1:28pm EDT: Severe Weather Statement issued for Dubois County and western Orange County.

1:29pm EDT: Flash Flood Warning issued for northern Trimble County and southern Jefferson County, Indiana.

1:30pm EDT: Severe Weather Statement issued for northeastern Washington County Indiana, Scott County Indiana, and southwestern Jefferson County Indiana.

1:33pm EDT: Severe Thunderstorm Warning issued for southwestern Henry County, Oldham County, Clark County Indiana, northern Floyd County, southern Scott County Indiana, and southeastern Washington County Indiana.

1:39pm EDT: Severe Thunderstorm Warning issued for Crawford County, southeastern Dubois County, Orange County, northern Perry County, and western Washington County Indiana.

1:43pm EDT: Flash Flood Warning issued for Henry County, Jefferson County Kentucky, Oldham County, Clark County Indiana, Floyd County, and southeastern Washington County, Indiana.

1:44pm EDT: Severe Weather Statement issued for northeastern Washington County Indiana, Scott County Indiana, and southwestern Jefferson County Indiana.

1:45pm EDT: Numerous trees down across Washington County, Indiana with 60mph winds.

1:47pm EDT: Severe Weather Statement issued for Dubois County and western Orange County.

1:49pm EDT: Severe Weather Statement issued for Oldham County, southwestern Henry County, northern Floyd County, Clark County Indiana, southeastern Washington County Indiana, and southern Scott County Indiana.

1:52pm EDT: Severe Weather Statement issued for northern Perry County, Crawford County, southeastern Dubois County, Orange County, and western Washington County Indiana.

1:53pm EDT: Intersection of US 31 and IN 56 closed due to high water at Scottsburg.

1:54pm EDT: Severe Thunderstorm Warning issued for northern Jefferson County Kentucky, southern Oldham County, northwestern Shelby County, southern Clark County Indiana, and Floyd County.

1:55pm EDT: Flood Statement issued for northeastern Jefferson County Kentucky, western Oldham County, and Clark County, Indiana.

1:56pm EDT: Flash Flood Warning issued for Bourbon County, Harrison County Kentucky, Nicholas County, and Scott County, Kentucky.

1:57pm EDT: Flood Statement issued for southern Jefferson County, Kentucky.

1:57pm EDT: Water rescue from a vehicle on US 31 in Sellersburg.

2:02pm EDT: Flood Statement issued for Harrison County, Indiana.

2:03pm EDT: Severe Weather Statement issued for Oldham County, southwestern Henry County, northern Floyd County, Clark County Indiana, southeastern Washington County Indiana, and southern Scott County Indiana.

2:04pm EDT: Tree on a house in Goshen, trapping the residents inside.

2:07pm EDT: Severe Weather Statement issued for northern Jefferson County Kentucky, southern Oldham County, northwestern Shelby County, southern Clark County Indiana, and Floyd County.

2:12pm EDT: Large limb blown down at television studio in Louisville.

2:13pm EDT: Severe Weather Statement issued for northern Perry County, Crawford County, southeastern Dubois County, Orange County, and western Washington County Indiana.

2:15pm EDT: Flash Flood Warning issued for Harrison County, Indiana.

2:15pm EDT: County road 250 and many roads along creeks are impassable in Jefferson County, Indiana.

2:15pm EDT: Several roads washed out or down to one lane in Floyd County, including Edwardsville Road, Corydon Pike, and Two Mile Lane.

2:17pm EDT: Severe Weather Statement issued for northern Jefferson County Kentucky, southern Oldham County, northwestern Shelby County, southern Clark County Indiana, and Floyd County.

2:24pm EDT: Bridges and low water crossings around Bedford were underwater, including KY 754 and KY 625.

2:25pm EDT: Flash Flood Statement issued for northeastern Washington County, Indiana and Scott County, Indiana.

2:27pm EDT: Severe Weather Statement issued for northern Jefferson County Kentucky, southern Oldham County, northwestern Shelby County, southern Clark County Indiana, and Floyd County.

2:30pm EDT: Trees down and structural damage from 70mph winds near Stamping Ground. Numerous buildings damaged, power lines down.

2:31pm EDT: Severe Thunderstorm Warning issued for Bourbon County, northwestern Clark County Kentucky, Fayette County, southern Harrison County Kentucky, northern Jessamine County, southeastern Scott County Kentucky, and northern Woodford County.

2:32pm EDT: Flash Flood Statement issued for Jefferson County, Indiana.

2:33pm EDT: Torrential rain at Madison.

2:40pm EDT: Torrential rain at Jeffersonville.

2:44pm EDT: Severe Weather Statement issued for Bourbon County, northwestern Clark County Kentucky, Fayette County, southern Harrison County Kentucky, northern Jessamine County, southeastern Scott County Kentucky, and northern Woodford County.

2:45pm EDT: Special Weather Statement issued for strong thunderstorms in central Kentucky.

2:45pm EDT: Lightning caused a fire north of Cynthiana.

2:45pm EDT: A barn caught fire on Renaker Road due to a lightning strike between Berry and Cynthiana.

2:45pm EDT: Up to 2 feet of water over roads just north of Georgetown, Kentucky.

2:48pm EDT: A tree was blown down on Five Mile Lane in New Albany.

2:47pm EDT: Flash Flood Statement issued for Jefferson County Kentucky, Oldham County, Henry County, Floyd County, Clark County Indiana, and southeastern Washington County Indiana.

2:53pm EDT: Severe Weather Statement issued for Bourbon County, northwestern Clark County Kentucky, Fayette County, southern Harrison County Kentucky, northern Jessamine County, southeastern Scott County Kentucky, and northern Woodford County.

2:54pm EDT: A tree fell on a house at Leavenworth.

2:55pm EDT: Flash Flood Warning issued for Franklin County.

2:55pm EDT: A grove of trees was blown down near Sulphur Lick Road, Snavely Road, and Rock Branch Road in Scott County, Kentucky.

2:59pm EDT: Severe Thunderstorm Warning issued for southern Bourbon County, Clark County Kentucky, Fayette County, and northern Madison County.

3:00pm EDT: Trees blown down and a small outbuilding flipped over in Stephensburg.

3:02pm EDT: Severe Weather Statement issued for Bourbon County, northwestern Clark County Kentucky, Fayette County, southern Harrison County Kentucky, northern Jessamine County, southeastern Scott County Kentucky, and northern Woodford County.

3:05pm EDT: Ten inches of fast-flowing water over KY 362 in Pewee Valley.

2:05pm CDT: A tree blew down on KY 105 near the Cloverport boat ramp in Breckinridge County.

3:07pm EDT: Trees snapped in English.

3:11pm EDT: Flash Flood Statement issued for Jefferson County Kentucky, Oldham County, Henry County, Floyd County, Clark County Indiana, and southeastern Washington County Indiana.

3:12pm EDT: Flash Flood Warning issued for Fayette County.

3:12pm EDT: Numerous roads flooded in Franklin County, including Camp Pleasant Road and Seeder Road in the Peaks Mill area. There was a high water rescue on Oakland Branch Road.

3:15pm EDT: Full-grown trees blown down on Westport Road near Saint John in Hardin County.

2:16pm CDT: Special Weather Statement issued for thunderstorms over southern Kentucky.

3:18pm EDT: Flash Flood Warning issued for Clark County, Kentucky.

3:20pm EDT: Special Weather Statement issued for gusty winds in southern Kentucky.

3:21pm EDT: Flash Flood Statement issued for Franklin County.

3:23pm EDT: Severe Weather Statement issued for southern Bourbon County, Clark County Kentucky, Fayette County, and northern Madison County.

2:29pm CDT: Special Weather Statement issued for thunderstorms with gusty winds and very heavy rain in Breckinridge and Ohio counties.

2:29pm CDT: Trees and power lines down near Harned.

3:33pm EDT: Up to 9 inches of water flowing over Todds Road, Forest Hill, and McFarland Lane in Lexington.

3:36pm EDT: Mesoscale Discussion issued by SPC for central Kentucky.

3:37pm EDT: Severe Weather Statement issued for southern Bourbon County, Clark County Kentucky, Fayette County, and northern Madison County.

3:38pm EDT: Special Weather Statement issued for strong storms over the southern Blue Grass.

3:42pm EDT: Severe Thunderstorm Warning issued for Madison County.

3:43pm EDT: Several trees blown down and a metal roof blown off in Campbellsville.

3:45pm EDT: Barn and several greenhouses demolished around Lancaster.

3:48pm EDT: Trees and power lines down near KY 1295 and Gillespie Road with damage to a house on KY 1295 in Garrard County.

3:51pm EDT: Flash Flood Warning issued for Madison County.

3:53pm EDT: Trees down on Johnson Road, Gabbertown Road, and at 21 East in Berea.

2:54pm CDT: Special Weather Statement issued for gusty winds in southern Kentucky.

3:55pm EDT: Severe Weather Statement issued for southern Madison County.

4:00pm EDT: Oakland Ranch Road, Slickaway Branch Road, and South Scruggs Road flooded in Franklin County.

4:04pm EDT: Flash Flood Warning issued for Trimble County and Jefferson County, Indiana.

3:10pm CDT: Severe Thunderstorm Warning issued for Butler County, northwestern Edmonson County, and northwestern Warren County.

3:15pm CDT: Trees down near Rochester.

4:16pm EDT: Severe Weather Statement issued for southern Madison County.

3:17pm CDT: Special Weather Statement issued for gusty winds in southern Kentucky.

4:19pm EDT: Flash Flood Warning issued for Scott County, Indiana and eastern Washington County, Indiana.

4:36pm EDT: Flash Flood Statement issued for Fayette County.

3:53pm CDT: Special Weather Statement issued for strong storms with heavy rain and frequent lightning in southern Kentucky.

4:59pm EDT: Flash Flood Statement issued for Bourbon, Nicholas, Scott Kentucky, and Harrison Kentucky counties.

5:02pm EDT: Four inches of running water on roads in Brannon Crossing Shopping Center in Lexington. Up to 6 inches of water on Man O' War Boulevard at Clearwater Drive.

5:04pm EDT: Flood Warning issued for the Muscatatuck River near Deputy, Indiana.

5:06pm EDT: Flash Flood Statement issued for Clark County, Kentucky.

4:09pm CDT: Severe Thunderstorm Warning issued for eastern Warren County.

5:16pm EDT: Flash Flood Statement issued for Madison County.

5:18pm EDT: Flood Warning issued for Henry County, Jefferson County Kentucky, Oldham County, Clark County Indiana, Floyd County, and Harrison County Indiana.

4:20pm CDT: Strong winds caused arcing transformers near Thomas Court in the Plum Springs area of Warren County, as well as in downtown Bowling Green near the intersection of Woodford Avenue and Clay Street.

4:20pm CDT: Power pole down near Creek Wood Avenue and Russell Road in Bowling Green.

4:22pm CDT: Nickel sized hail in Bowling Green.

4:23pm CDT: Special Weather Statement issued for strong storms with heavy rain, hail, and frequent lightning around Bowling Green.

4:25pm CDT: Flood Statement issued for southern Butler County, northern Logan County, and Warren County.

4:26pm CDT: Severe Weather Statement issued for southeastern Warren County.

4:34pm CDT: Severe Weather Statement issued for southeastern Warren County.

5:44pm EDT: Flood Warning issued for Franklin County.

4:46pm CDT: Several trees down in the Lewisburg area.

5:58pm EDT: Flash Flood Statement issued for Bourbon, Nicholas, Scott Kentucky, and Harrison Kentucky counties.

6:02pm EDT: Flood Warning issued for Harrison County, Kentucky.

5:03pm CDT: Special Weather Statement issued for strong storms with heavy rain, small hail, and frequent lightning around Bowling Green.

5:13pm CDT: Severe Thunderstorm Warning issued for southeastern Logan County and southwestern Simpson County.

6:13pm EDT: Flash Flood Statement issued for Madison County.

6:19pm EDT: Flash Flood Statement issued for Clark County, Kentucky.

5:23pm CDT: Several trees down in the Middleton area.

5:30pm CDT: Severe Weather Statement issued for southwestern Simpson County and southeastern Logan County.

6:34pm EDT: Two trees blown down along Old Frankfort Pike between Midway and Versailles.

5:47pm CDT: Severe Weather Statement issued for southwestern Simpson County and southeastern Logan County.

7:02pm EDT: Flood Warning issued for Trimble County, Jefferson County Indiana, Scott County Indiana, and eastern Washington County, Indiana.

7:06pm EDT: Flash Flood Statement issued for eastern Washington County, Indiana and Scott County, Indiana.

7:15pm EDT: Flood Warning issued for Fayette County.

6:33pm CDT: Special Weather Statement issued for strong storms over Butler County.

6:56pm CDT: Flash Flood Warning issued for southern Ohio County and northern Butler County.

7:19pm CDT: Severe Thunderstorm Warning issued for southern Ohio County and northwestern Butler County.

7:24pm CDT: Severe Thunderstorm Warning issued for southwestern Butler County and Logan County.

7:42pm CDT: Severe Weather Statement issued for southwestern Butler County and Logan County.

7:49pm CDT: Severe Weather Statement issued for northwestern Butler County and southern Ohio County.

7:52pm CDT: Trees down on KY 96 in Lewisburg.

7:58pm CDT: Severe Thunderstorm Warning issued for southern Butler County, eastern Logan County, Simpson County, and western Warren County.

9:00pm EDT: Big Indian Creek well out of its banks five miles northeast of Corydon.

8:01pm CDT: Severe Weather Statement issued for northwestern Butler County and southern Ohio County.

8:03pm CDT: 60mph winds in Russellville.

9:13pm EDT: Flood Statement issued for Fayette County.

8:16pm CDT: Flash Flood Warning issued for southwestern Butler County and Logan County.

8:21pm CDT: Over a foot of flowing water across Bald Knob Road three miles south of Beaver Dam.

8:25pm CDT: Water 6 inches deep over US 231 south of Morgantown.

9:26pm EDT: Flood Warning issued for Stoner Creek at Paris.

9:27pm EDT: Flood Statement issued for central Franklin County.

8:43pm CDT: Severe Weather Statement issued for southern Butler County, eastern Logan County, Simpson County, and western Warren County.

8:55pm CDT: Flash Flood Statement issued for northern Butler County and southern Ohio County.

9:01pm CDT: Special Weather Statement issued for thunderstorms with heavy rain near the Tennessee border.

9:07pm CDT: Flash Flood Statement issued for Logan County and southwestern Butler County.

10:22pm EDT: Flood Warning issued for Jefferson County Indiana, Scott County Indiana, and Washington County Indiana.

9:23pm CDT: Flood Statement issued for northwestern Warren County.

10:49pm EDT: Flood Statement issued for Oldham County, Henry County, and Harrison County, Indiana.

9:58pm CDT: Flash Flood Statement issued for northern Butler County and southern Ohio County.

10:59pm EDT: Flood Warning issued for Jefferson County Kentucky, Clark County Indiana, and Floyd County.

11:17pm CDT: Flash Flood Statement issued for southwestern Butler County.

August 5

12:19am EDT: Flood Warning issued for the Muscatatuck River near Deputy, raising the forecast from moderate flood to major flood.

4:14am EDT: Flood Statement issued for Scott County, Indiana and Jefferson County, Indiana.

4:33am EDT: Flood Warning issued for Washington County, Indiana.

5:09am EDT: Flood Warning issued for Jefferson County Kentucky, Clark County Indiana, and Floyd County.

7:55am EDT: Flood Statement issued for Jefferson County Kentucky, Floyd County, and Clark County, Indiana.

8:28am EDT: Flood Statement issued for Washington County, Indiana.

9:25am EDT: Flood Statement issued for Stoner Creek at Paris.

11:35am EDT: Flood Statement issued for the Muscatatuck River near Deputy.

1:42pm EDT: Flood Statement issued for Stoner Creek at Paris.

6:05pm EDT: Flood Statement issued for Stoner Creek at Paris and the Muscatatuck River near Deputy.

Attachment M
Representative August 4, 2009 Storm Photos



Wheeler Basin Area.



Wheeler Basin Area.



21st and Broadway.



Behind 3rd and Breckenridge Street Kroger



Alley near 22nd and Broadway.



Pruitt Court.



Middle Fork Beargrass Creek behind Oxmoor Mall.



Middle Fork Beargrass Creek behind Oxmoor Mall.



Fairgrounds Flood Control Basin.



700 West Liberty Street
Louisville Kentucky 40203-1911
502-540-6000
www.msdlouky.org

May 14, 2010

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

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

Jeff Cummins, Acting Director
Division of Enforcement
Department of Environmental Protection
300 Fair Oaks Lane
Frankfort, KY 40601

Subject: May 1, 2010 Flood Event Summary
Civil Action No. 3:08-cv-00608-CRS

Attention Chief:

Attached please find the report required under the Amended Consent Decree, Force Majeure Paragraph 67, for the above mentioned flood event.

I certify under penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

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

Sincerely,

W. Brian Bingham
Regulatory Services Director

jtg/May 1 2010 Force Majeure Transmittal.doc

cc: H. J. Schardein, Jr.

Paula Purifoy

Laurence J. Zielke



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

DATE: May 14, 2010

TO: Sean Ireland, EPA Region IV; Gary Levy, KDEP

FROM: Brian Bingham, MSD Regulatory Services Director

SUBJECT: May 1st, 2010 Flood Event

This report is offered as written documentation related to the severe rainfall event that Louisville experienced beginning the Saturday morning of May 1st, 2010, through Sunday night of May 2nd.

Rain Event

Louisville Metro experienced a lengthy rainfall during the period referenced above that dropped between 2.4 and 5.8 inches of rainfall across the area. The distribution of rainfall across the county is displayed in **Attachment A**.

On Saturday, May 1st, rainfall saturated the ground throughout the County. As the event progressed into Sunday, rainfall rates increased and the saturated soil was no longer allowing infiltration. As a result, numerous areas experienced street inundation with a few instances of structural damages. Several areas in southwestern Louisville experienced approximately a 25-year rain event – 4% chance of occurrence annually. Rainfall frequency reports for the hardest hit areas can be found in **Attachment B**.



A rainfall event timeline in the Lea Ann Way Pump Station area, the area with the highest recorded rainfall, is available in **Attachment C**. During the storm, MSD received 422 service requests: 161 backup related; 32 catch basin related; 171 drainage related; 14 manole related; and 11 obstructions. Spatial distribution of these calls by type can be reviewed on the rainfall map in **Attachment A**.



May 1st, 2010 Flood Event

May 14, 2010

Page 2 of 2

System Response

No direct fatalities or injuries were reported as a result of this event. However, the saturated conditions and high stream flows caused widespread street flooding, minor property damage, and sewer overflows, including pumped overflows at various locations. A summary timeline of the events that unfolded during and after the storm are outlined in **Attachment D**.

MSD Response

Metro Operations prevented some discharges and home flooding with the use of pumps and tanker trucks. Metro Operations along with the Infrastructure and Flood Protection Division worked in tandem to isolate the nature of reported problems and swiftly aid MSD customers wherever possible.

However, the magnitude of the rainfall resulted in over 600 million gallons of combined sewer overflows from the 105 permitted CSO locations (see **Attachment E** for details). **Attachment F** provides charts on the sewer discharge work orders initiated by problem code and asset type, prior to declaring force majeure. Over 225 discharge work orders were initiated during this event.

During and following the storm, MSD hauled over 1.4 million gallons of sewage (see **Attachment G**) to prevent some overflows from occurring. Finally, an inaccurate discharge was reported from the Jeffersontown siphon. The siphon level reached the height that triggers MSD field reconnaissance, but did not reach the level causing water to discharge to the adjacent stream (siphon level graph can be viewed in **Attachment H**).

jtg/00 – May 1st 2010 Rain Event Summary.doc

cc: File

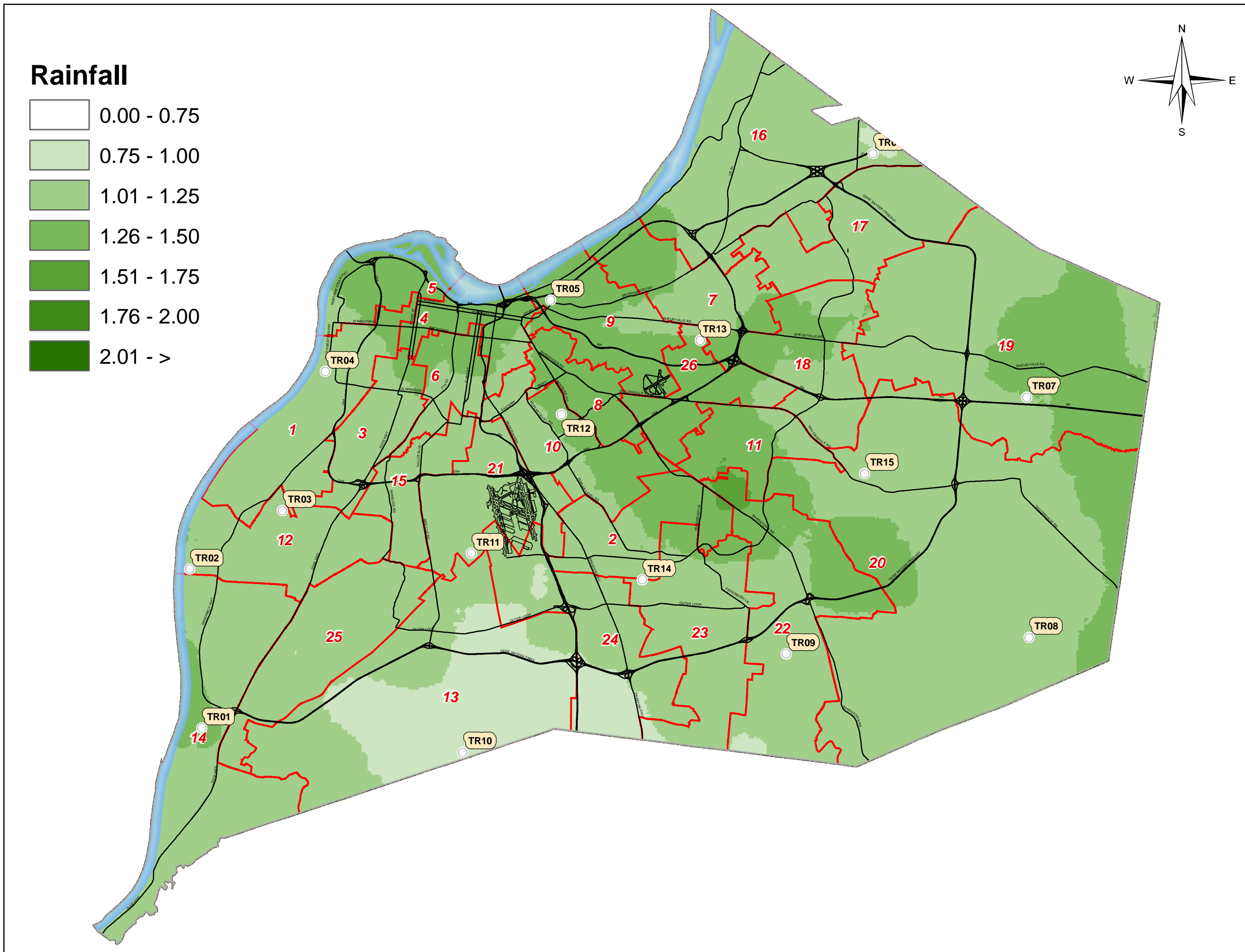
Attachment A
County-Wide
Rainfall Distribution

Approximate Rainfall in the Louisville Metro Area

Period of: 5/1/2010 12:00a.m. - 5/2/2010 11:59p.m.

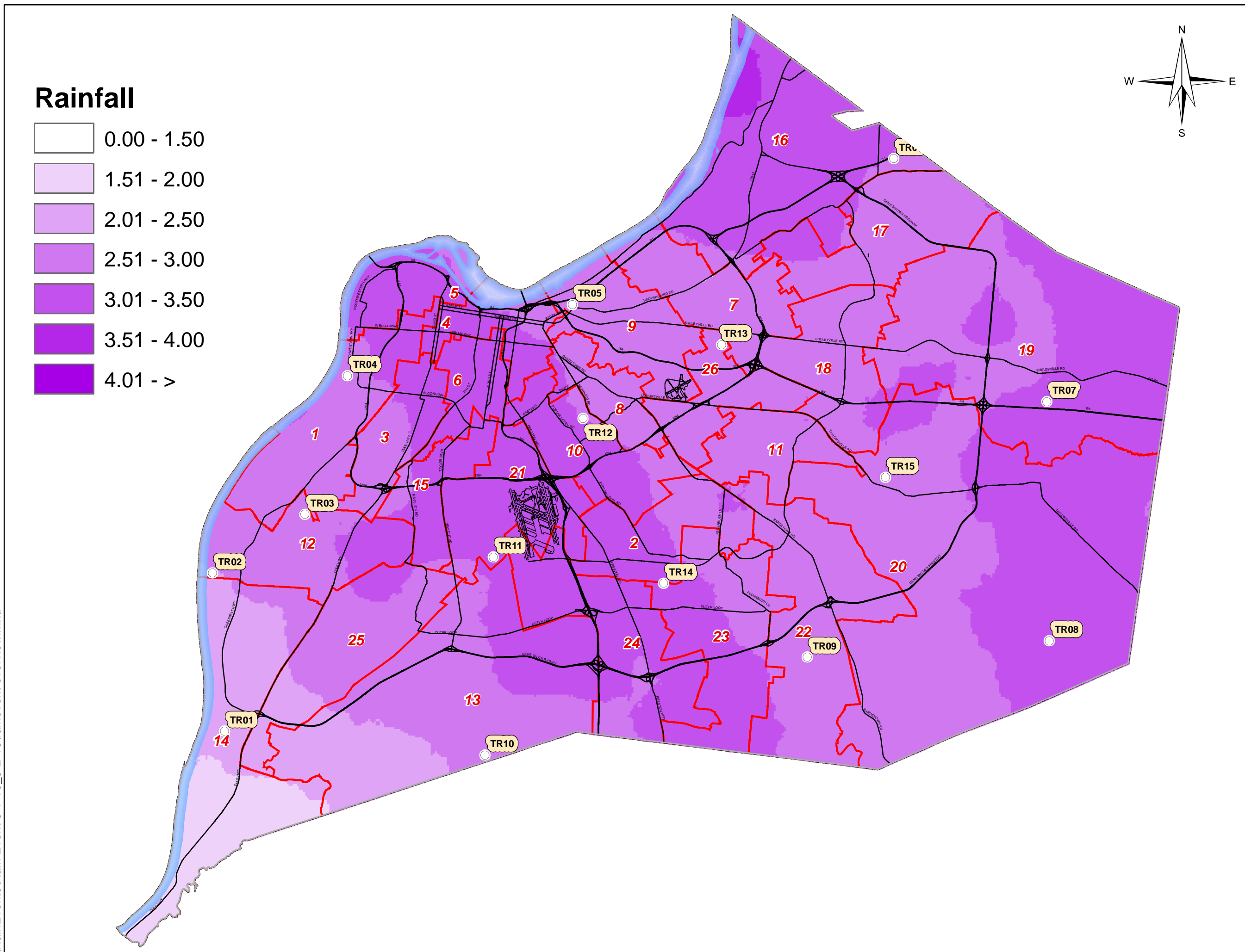
Approximate Rainfall in the Louisville Metro Area

Period of: 5/1/2010 12:00a.m. - 5/1/2010 11:59p.m.



Approximate Rainfall in the Louisville Metro Area

Period of: 5/2/2010 12:00a.m. - 5/2/2010 11:59p.m.

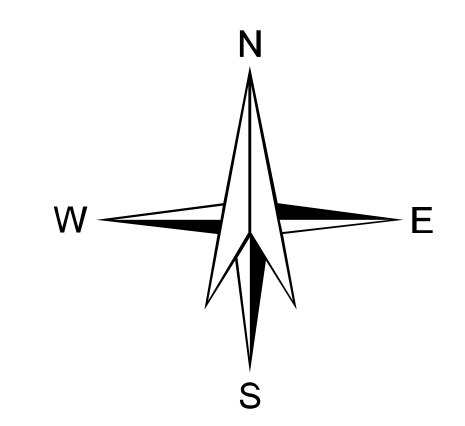
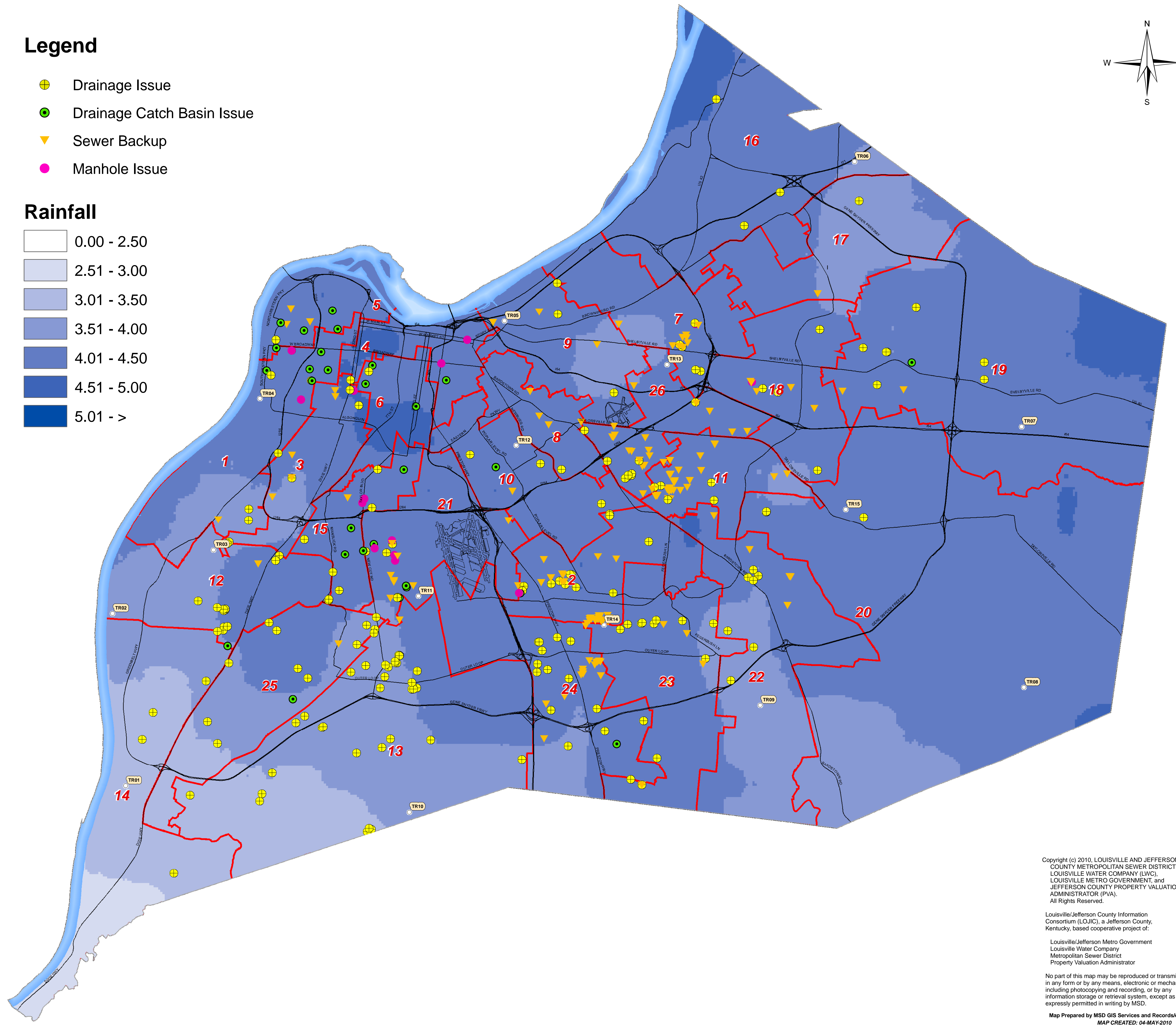


Legend

- + Drainage Issue
- o Drainage Catch Basin Issue
- v Sewer Backup
- o Manhole Issue

Rainfall

- 0.00 - 2.50
- 2.51 - 3.00
- 3.01 - 3.50
- 3.51 - 4.00
- 4.01 - 4.50
- 4.51 - 5.00
- 5.01 - >



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Louisville/Jefferson County Information Consortium (LOJIC), a Jefferson County, Kentucky, based cooperative project of:

Louisville/Jefferson Metro Government
Louisville Water Company
Metropolitan Sewer District
Property Valuation Administrator

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Map Prepared by MSD GIS Services and Records/ewidner
MAP CREATED: 04-MAY-2010

Attachment B
Rainfall Frequency Reports
for the Hardest Hit Areas

Rainfall Analysis of Storms May 1 – 2, 2010

The Rain was fairly evenly distributed throughout Jefferson County based on Rain gauge data. The highest rainfall total at a Rain Gauge was at TR14 – Lea Ann Way PS at 5.85”.

RG #	Location	Rinfall Amt
TR01	DR Guthrie WQTC	4.63
TR02	PRP Fire Station Training Facility	4.32
TR03	Shively PS	4.28
TR04	Morris Forman WQTC	4.27
TR05	Beargrass Creek PS	3.94
TR06	Hite Creek WQTC	3.31
TR07	Floyds fork WQTC	4.82
TR08	Fern Creek Fire Station #3	5.05
TR09	Cedar Creek WQTC	4.34
TR10	Camp Horine (Jefferson Co. Forest)	5.38
TR11	Northern Ditch PS	4.84
TR12	Nightingale PS	4.49
TR13	St. Matthews Elementary School	4.1
TR14	Lea Ann Way PS	5.84
TR15	Jeffersontown WQTC	5.07
TR17	Mt. St. Francis	3.42
TR18	IVY Tech	2.44

Pages 2 and 3 show the Storm Classification Report for the Lea Ann Way PS for the 2-day period. The largest storm frequencies were found on the 48-hour interval and were listed as between a 10 year and 25 year storm on 2 classification systems and between a 25 year storm and a 50 year storm on another classification.

Pages 4 -7 show the Storm Classification Report for the South Fork and Middle Fork watersheds as a basin-wide average using radar rainfall data for the 2-day period. Since they are averaged over a larger area, the storm frequencies were lower. The largest storm frequencies were found on the 48-hour interval and were listed as between a 2 year and 10 year storm depending on which classification system is used.

Page 8 is a time series chart of the rainfall at TR14 (Lea Ann Way PS). Though intense at times, it also shows periods where the rain stopped entirely including about an 8-hour period Saturday afternoon and evening.

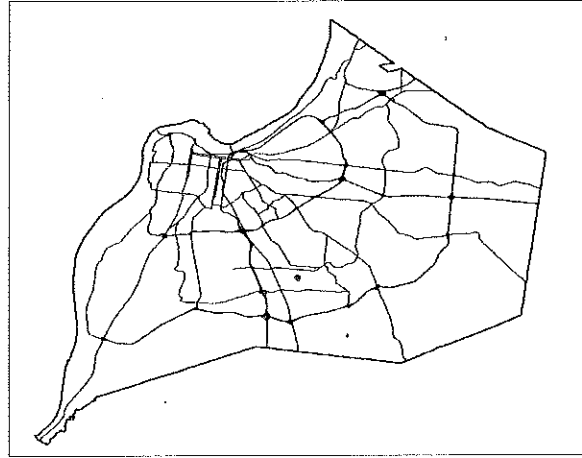


Area

TR14

Start Date 04/30/2010

End Date 05/04/2010



1 hr **Start** 5/2/2010 5:10:00 AM **End** 5/2/2010 6:10:00 AM **Rain Total** 1.39

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	2 Year	1.39	5 Year	1.71
Bulletin 71	2 Year	1.36	5 Year	1.7
TP-40	1 Year	1.2	2 Year	1.4

3 hr **Start** 5/2/2010 5:10:00 AM **End** 5/2/2010 8:10:00 AM **Rain Total** 1.85

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	2 Year	1.81	5 Year	2.23
Bulletin 71	2 Year	1.85	5 Year	2.31
TP-40	1 Year	1.6	2 Year	1.9

6 hr **Start** 5/2/2010 2:10:00 AM **End** 5/2/2010 8:10:00 AM **Rain Total** 2.14

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	1 Year	1.84	2 Year	2.21
Bulletin 71	1 Year	1.82	2 Year	2.17
TP-40	1 Year	2	2 Year	2.3

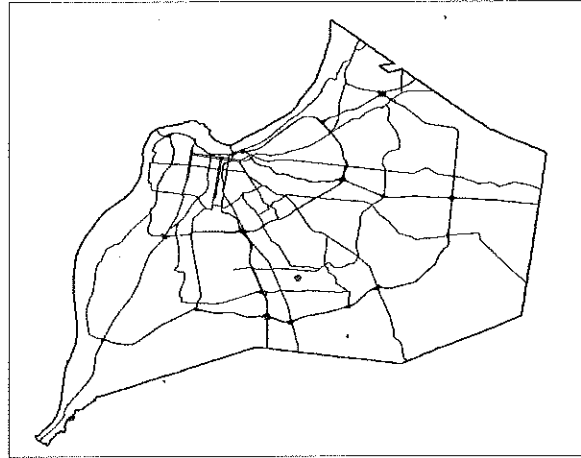


Area

TR14

Start Date 04/30/2010

End Date 05/04/2010



12 hr Start 5/2/2010 4:55:00 AM End 5/2/2010 4:55:00 PM Rain Total 3.45

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	5 Year	3.23	10 Year	3.74
Bulletin 71	5 Year	3.14	10 Year	3.67
TP-40	5 Year	3.4	10 Year	3.9
Atlas 14	5 Year	3.23	10 Year	3.74
Bulletin 71	5 Year	3.14	10 Year	3.67
TP-40	5 Year	3.4	10 Year	3.9

24 hr Start 5/2/2010 1:35:00 AM End 5/3/2010 1:35:00 AM Rain Total 3.94

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	5 Year	3.89	10 Year	4.52
Bulletin 71	5 Year	3.61	10 Year	4.22
TP-40	2 Year	3.2	5 Year	4

48 hr Start 5/1/2010 4:55:00 AM End 5/3/2010 4:55:00 AM Rain Total 5.84

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	10 Year	5.3	25 Year	6.33
Bulletin 71	25 Year	5.58	50 Year	6.52
TP-40	10 Year	5.1	25 Year	6.1

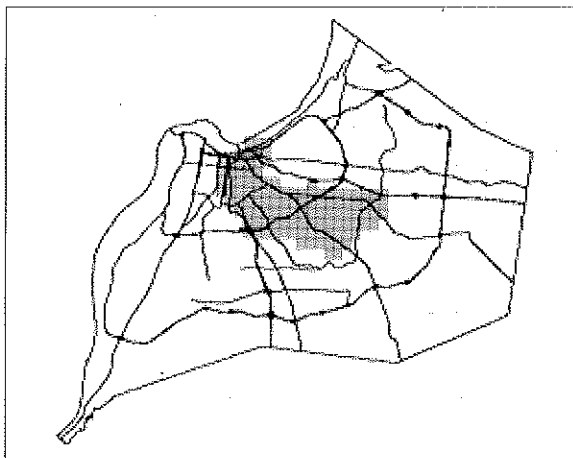


Area

**SOUTH FORK
BEARGRASS WS**

Start Time 04/30/2010

End Time 05/04/2010



1 hr	Start	5/2/2010 4:20:00 AM	End	5/2/2010 5:20:00 AM	Rain Total	1.12
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Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	< 1 Year	0	1 Year	1.16
Bulletin 71	< 1 Year	0	1 Year	1.14
TP-40	< 1 Year	0	1 Year	1.2

3 hr	Start	5/2/2010 4:00:00 AM	End	5/2/2010 7:00:00 AM	Rain Total	1.37
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Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	< 1 Year	0	1 Year	1.51
Bulletin 71	< 1 Year	0	1 Year	1.55
TP-40	< 1 Year	0	1 Year	1.6

6 hr	Start	5/2/2010 12:40:00 AM	End	5/2/2010 6:40:00 AM	Rain Total	1.85
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Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	1 Year	1.84	2 Year	2.21
Bulletin 71	1 Year	1.82	2 Year	2.17
TP-40	< 1 Year	0	1 Year	2

12 hr	Start	5/2/2010 12:40:00 AM	End	5/2/2010 12:40:00 PM	Rain Total	2.63
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Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	2 Year	2.62	5 Year	3.23
Bulletin 71	2 Year	2.51	5 Year	3.14
TP-40	1 Year	2.4	2 Year	2.8

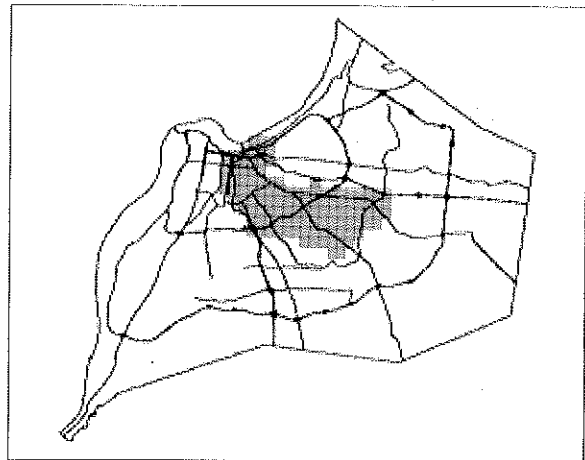


Area

**SOUTH FORK
BEARGRASS WS**

Start Time 04/30/2010

End Time 05/04/2010



24 hr Start 5/2/2010 12:40:00 AM End 5/3/2010 12:40:00 AM Rain Total 3.12

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	1 Year	2.61	2 Year	3.13
Bulletin 71	2 Year	2.89	5 Year	3.61
TP-40	1 Year	2.7	2 Year	3.2

48 hr Start 5/1/2010 3:20:00 AM End 5/3/2010 3:20:00 AM Rain Total 4.51

Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	2 Year	3.71	5 Year	4.58
Bulletin 71	5 Year	3.87	10 Year	4.56
TP-40	5 Year	4.4	10 Year	5.1

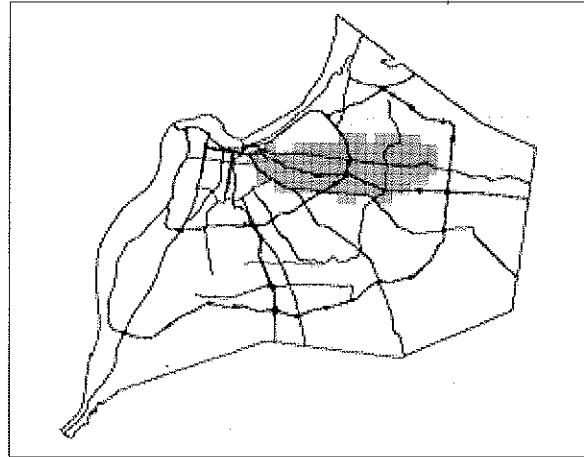


Area

**MIDDLE FORK
BEARGRASS WS**

Start Time 04/30/2010

End Time 05/04/2010



1 hr	Start 5/2/2010 4:30:00 AM	End 5/2/2010 5:30:00 AM	Rain Total 0.85
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Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	< 1 Year	0	1 Year	1.16
Bulletin 71	< 1 Year	0	1 Year	1.14
TP-40	< 1 Year	0	1 Year	1.2

3 hr	Start 5/2/2010 4:30:00 AM	End 5/2/2010 7:30:00 AM	Rain Total 1.17
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Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	< 1 Year	0	1 Year	1.51
Bulletin 71	< 1 Year	0	1 Year	1.55
TP-40	< 1 Year	0	1 Year	1.6

6 hr	Start 5/2/2010 12:50:00 AM	End 5/2/2010 6:50:00 AM	Rain Total 1.50
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Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	< 1 Year	0	1 Year	1.84
Bulletin 71	< 1 Year	0	1 Year	1.82
TP-40	< 1 Year	0	1 Year	2

12 hr	Start 5/2/2010 12:40:00 AM	End 5/2/2010 12:40:00 PM	Rain Total 2.41
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Standard	Low Frequency	Low Value	High Frequency	High Value
Atlas 14	1 Year	2.19	2 Year	2.62
Bulletin 71	1 Year	2.11	2 Year	2.51
TP-40	1 Year	2.4	2 Year	2.8

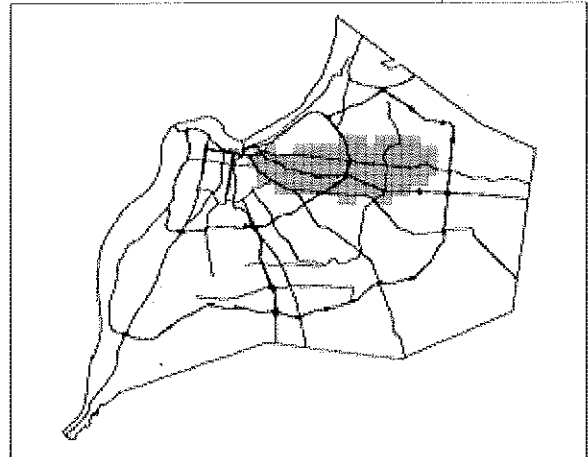


Area

**MIDDLE FORK
BEARGRASS WS**

Start Time 04/30/2010

End Time 05/04/2010

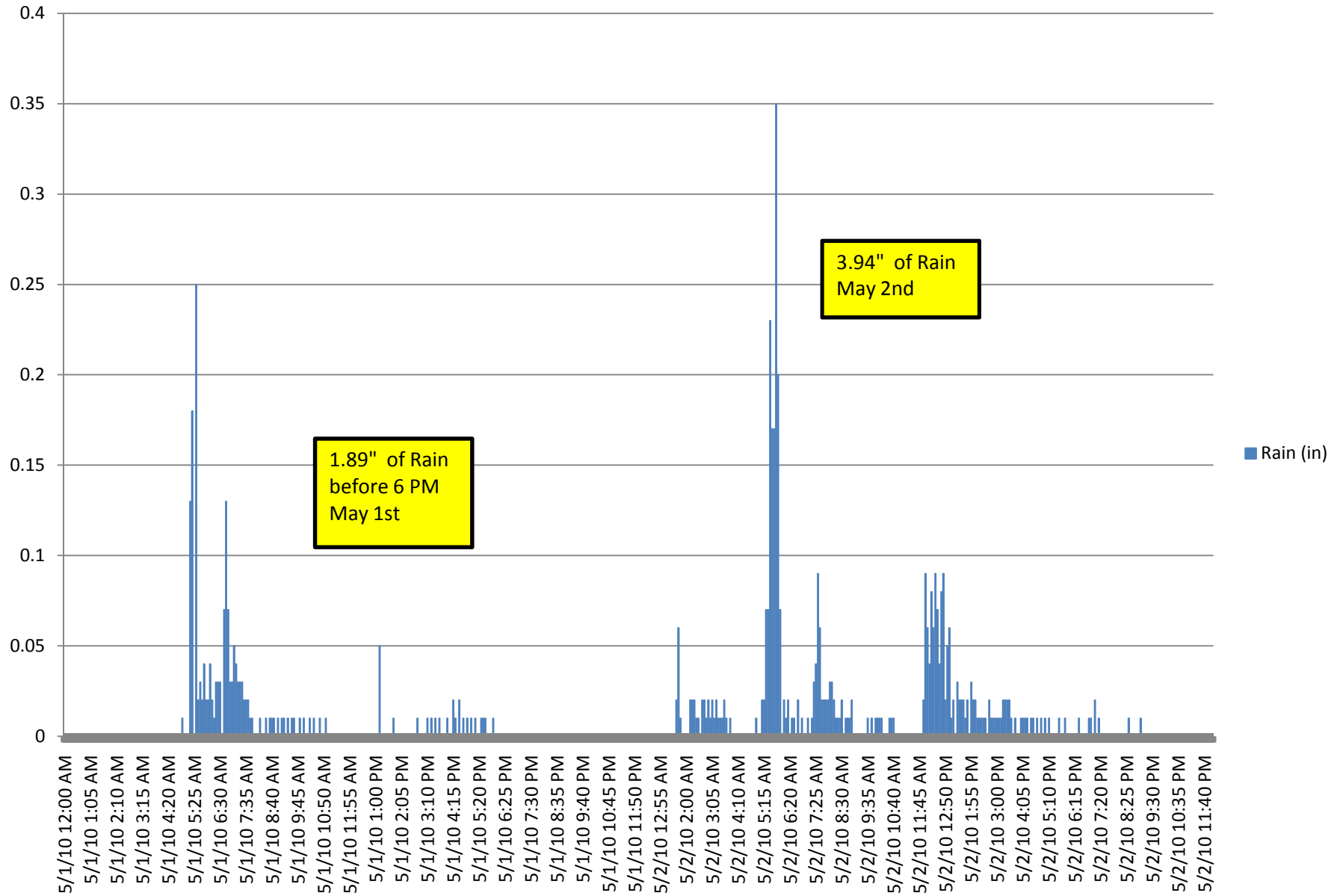


24 hr	Start 5/2/2010 12:40:00 AM	End 5/3/2010 12:40:00 AM	Rain Total 3.00
Standard	Low Frequency	Low Value	High Frequency High Value
Atlas 14	1 Year	2.61	2 Year 3.13
Bulletin 71	2 Year	2.89	5 Year 3.61
TP-40	1 Year	2.7	2 Year 3.2

48 hr	Start 5/1/2010 3:20:00 AM	End 5/3/2010 3:20:00 AM	Rain Total 4.34
Standard	Low Frequency	Low Value	High Frequency High Value
Atlas 14	2 Year	3.71	5 Year 4.58
Bulletin 71	5 Year	3.87	10 Year 4.56
TP-40	2 Year	3.6	5 Year 4.4

Attachment C
Rainfall Timeline at
Lea Ann Way Pump Station

Rainfall Totals at TR14 - Lea Ann Way Pump Station May 1-2, 2010



Attachment D
Summary Timeline of Events

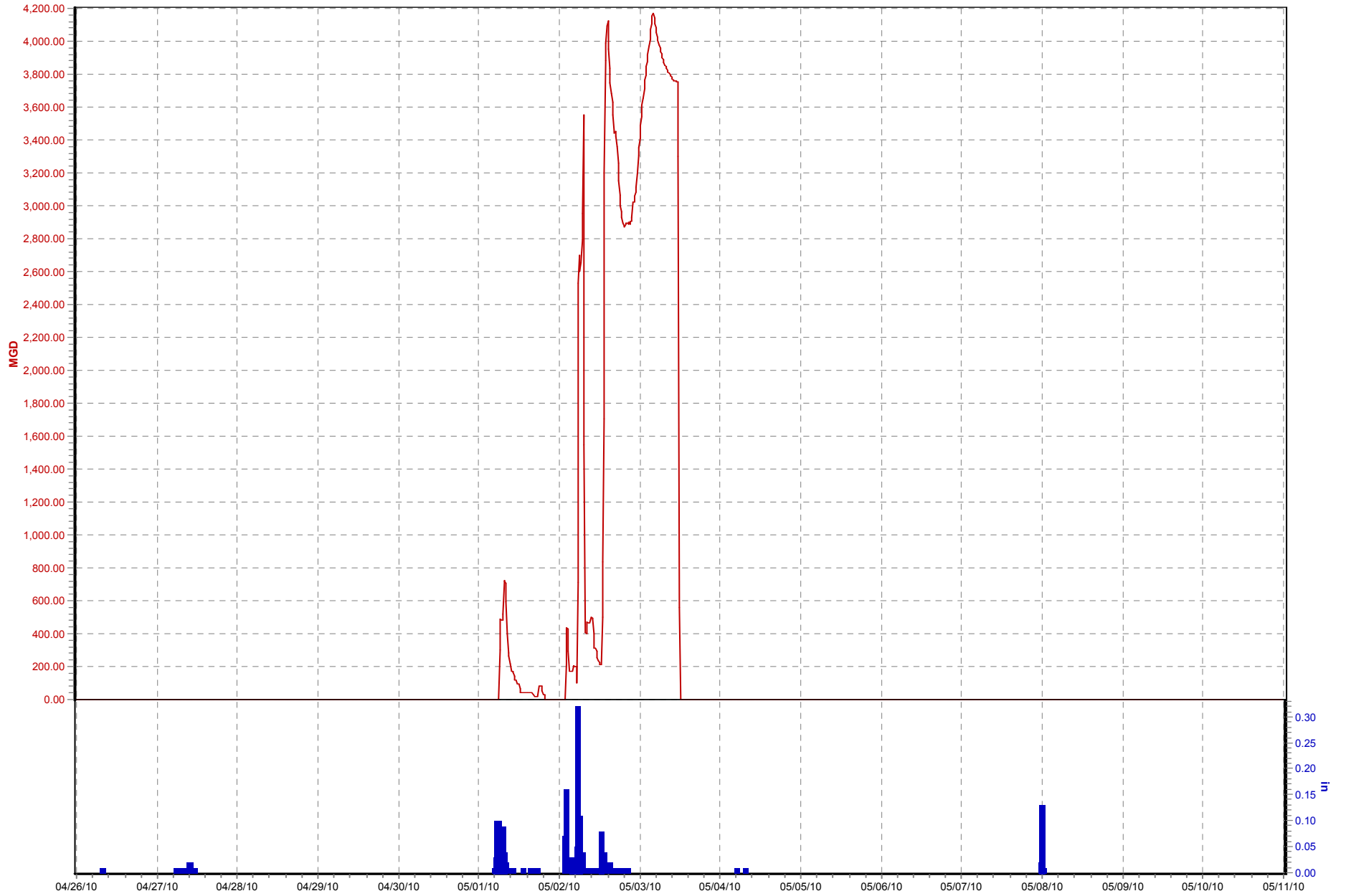
PAGER LOGS	
DATE/TIME	MESSAGE
5/1/2010 4:44:07 AM	Frm:FLYNN Msg:RAIN SHORTLY 1 TO 2 INCH OVER NEXT 4 HOURS. UP TO 60 MILE PER HOUR WINDS. STALL OUT OVER LOUISVILLE . UP TO 8 INCH OVER NEXT 36 HOURS
5/1/2010 5:45:18 AM	Frm:Dennis Msg:NWS has issue a FLOOD ADVISORY for Lou & surrounding areas. 4 block area downtown w/o power including 4th St pump station. .25" to .50" already down.
5/1/2010 7:04:58 AM	Frm:Dennis Msg:1" down on average, currently working 5 HWW's, power restored @ 4th st pump station. Look for moderate rain for several hours.
5/1/2010 8:09:58 AM	Frm:Dennis Msg:1.25" down on average, currently working 12 HWW's, plant flow elevated & still increasing. Expect light rain for the next 3-4 hours,
5/1/2010 8:16:19 AM	Frm:Dennis Msg:Will need recon called in to #540-6462 before 10:30 AM.
5/1/2010 12:00:05 PM	Frm:James Bennett Msg:Secondary TSS =20
5/1/2010 1:19:28 PM	Frm:Dennis Msg:Nearlt 1.5" down on average, TP flows very high, currently working 10 HWW's. STP's must be checked to prevent further by-passes.
5/1/2010 3:07:38 PM	Frm:Roy Flynn Msg:River Projections show Monday----- Western FPS Flood Mode and Starkey 4th St and 34th St isolation Mode. Gate Closings 22a, 23, 33,71, 102, 103, 104, 105, 114. Ernie New should Report to Western FPS Monday Morning. Eric Brady (C Shift)and Charles Crawford (A Shift)
5/1/2010 3:19:39 PM	Frm:Dennis Msg:Moderate cell tracking in from SW, 4 hr prediction calls for additional .35" to .50".
5/1/2010 5:44:00 PM	Frm:Dennis Msg>Last 12 hours= 1.75" down, plant flows high, several HWW's, 10 drain req, 8 Catch Basin req, 12 Back-up req. Another break in rain within the hour
5/2/2010 12:18:25 AM	Frm:flynn Msg:Will probably be seeing about 45 min of rain in 1 hour. Probably 1/4 to 1/2 inch
5/2/2010 1:34:08 AM	Frm:flynn Msg:here comes hard rain. In Shively now
5/2/2010 2:44:22 AM	Frm:flynn Msg:FYI- Grinder Fail Cleared at 34th St. Only High Wet Well at 34th and Comm failure at CSO 108
5/2/2010 5:14:01 AM	Frm:Dennis Msg:Strong line of thunderstorms moving in Metro from NW, Expect lightning, heavy rain & wind. 4 hr prediction calls for .75" across all of Metro.
5/2/2010 6:26:37 AM	Frm:Dennis Msg:1.75" down since midnight, currently 55 HWW's, plant flow maxed out. 1 back-up reported, and 2 drainage request. Need recon called to 540-6462 by 9AM
5/2/2010 8:49:02 AM	Frm:Dennis Msg:FLASH FLOOD WARNING UNTIL 11:30AM, 2" to 2.25" down on average 4 hr prediction calls for additional .25" across all of Metro.
5/2/2010 9:19:34 AM	Frm:Dennis Msg:Metro staff should be protecting homes & TP's at this point. Report discharges, and by-passes as we can. Currently over 60 HWW's.
5/2/2010 9:43:00 AM	Frm:Kevin Msg:2 pumps running in Beechwood Village (Stonehenge and Marshall) We will monitor through the day and tonight.
5/2/2010 9:44:03 AM	Frm:Kevin Msg:All 4 pumps running in Highgate Springs. We will monitor through the day and tonight.
5/2/2010 9:44:34 AM	Frm:Kevin Msg:2 pumps running in Beechwood Village (Stonehenge and Marshall) We will monitor through the day and tonight.
5/2/2010 9:44:35 AM	Frm:Kevin Msg:All 4 pumps running in Highgate Springs. We will monitor through the day and tonight.
5/2/2010 11:35:12 AM	Frm:Dennis Msg:Moderate cell tracking in from West. System is back building more rain headed in. 4 hr prediction calls for .25" across most of Metro.

PAGER LOGS	
DATE/TIME	MESSAGE
5/2/2010 11:37:37 AM	Frm:Dennis Msg:NWS have extended FLOOD WARNING until 5:30PM for Jefferson & all surrounding counties.
5/2/2010 11:39:11 AM	Frm:Dennis Msg:Moderate cell tracking in from West. System is back building more rain headed in. 4 hr prediction calls for .25" across most of Metro.
5/2/2010 11:39:12 AM	Frm:Dennis Msg:NWS have extended FLOOD WARNING until 5:30PM for Jefferson & all surrounding counties.
5/2/2010 11:40:06 AM	Frm:Dennis Msg:Moderate cell tracking in from West. System is back building more rain headed in. 4 hr prediction calls for .25" across most of Metro.
5/2/2010 11:40:07 AM	Frm:Dennis Msg:NWS have extended FLOOD WARNING until 5:30PM for Jefferson & all surrounding counties.
5/2/2010 11:48:25 AM	Frm:BRS for Dennis Msg:Moderate cell tracking in from West. System is back building more rain headed in. 4 hr prediction calls for .25" across most of Metro.
5/2/2010 11:50:48 AM	Frm:James Bennett Msg:Secondary TSS = 15
5/2/2010 12:18:00 PM	Frm:Dennis Msg:Moderate cell continues to grow to our West. 4 Hr prediction calls for .50" additional. Use resources to protect homes at this point.
5/2/2010 12:56:25 PM	Frm:PCC Msg:SSO 08537 North Ditch Blowoff at 12:50 reading 37.5
5/2/2010 1:19:26 PM	Frm:Dennis Msg:2.5" to 3" down since midnight. More moderate rain moving in no end in sight. 4 Hr prediction calls for .50 to 1" additional across Metro.
5/2/2010 2:23:30 PM	Frm:Dennis Msg:Brian has called for FORCE MAJURE relief on reporting and will follow up with e-mail. Will need recon called into 540-6462 before 4:30PM
5/2/2010 5:25:12 PM	Frm:flynn Msg:FYI- WESTERN FLOOD Pump Station going into Service Monday. Ernie New Report Monday approx 10:00 AM. Eric and Charles on normal C and A shifts.
5/2/2010 7:18:40 PM	Frm:Dennis Msg:6" down on avg across Metro with this event. Rain is FINALLY moving out now. TP flows over capacity,60 HWW's currently. Alt. pumping many locations.

Attachment E
CSO Flow Monitoring Data
Available for the Storm

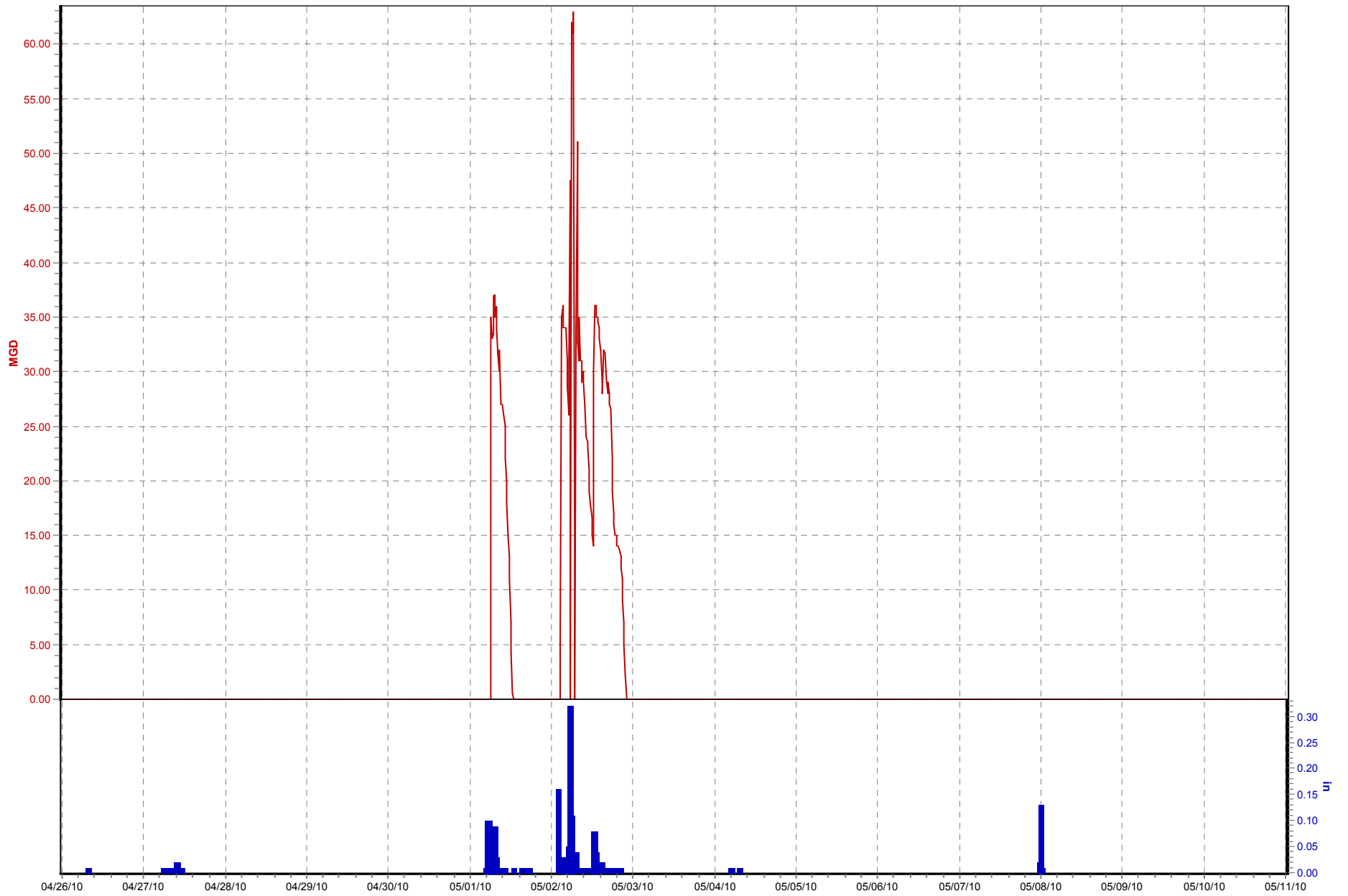
CSO015_Historical Data (04/26/10 to 05/11/10)

Flow (MGD) TR04_Historical Data.Rain (in)



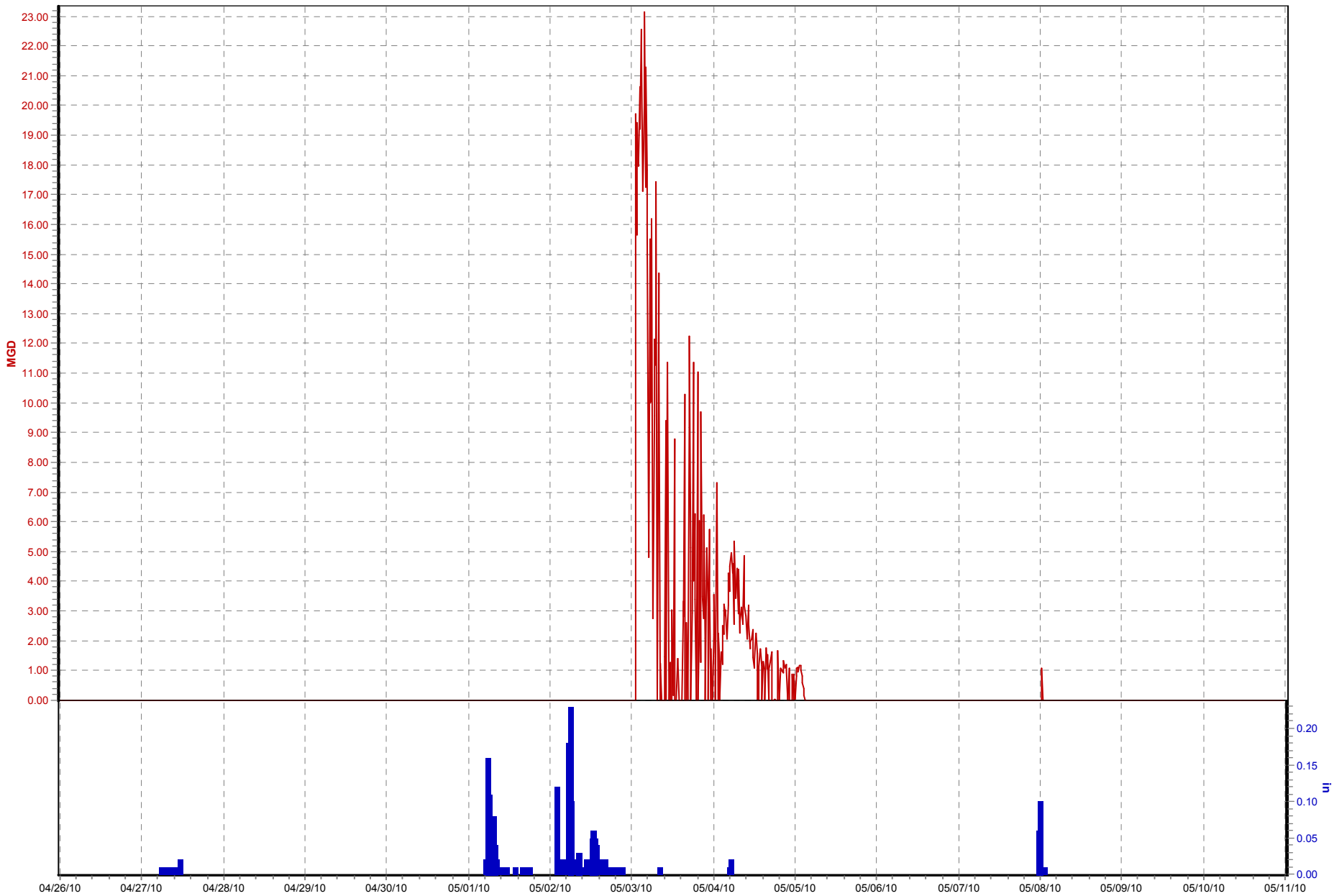
CSO016_Historical Data (04/26/10 to 05/11/10)

Flow (MGD) TR04_Historical Data.Rain (in)



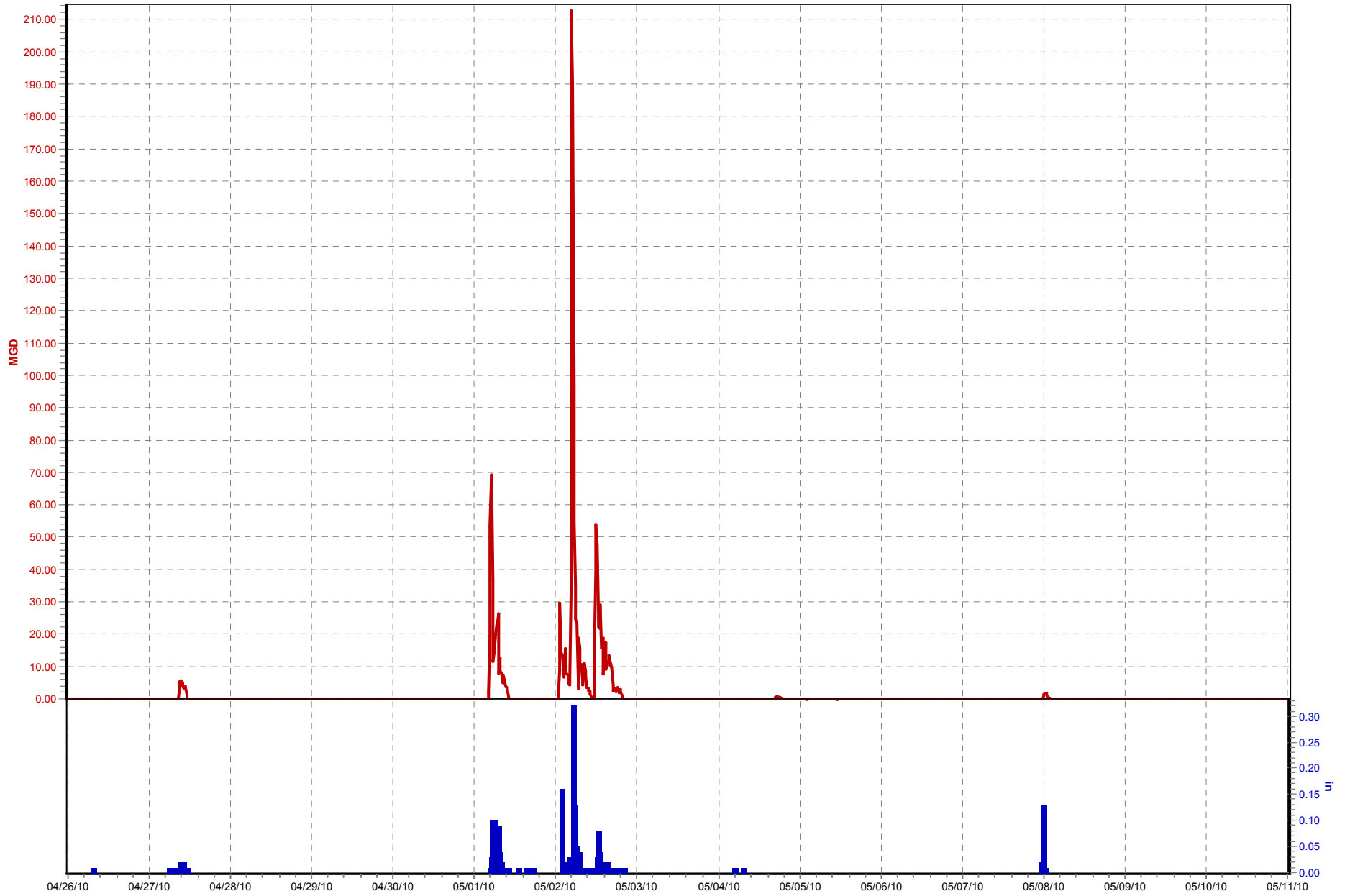
CSO018_Historical Data (04/26/10 to 05/11/10)

Flow (MGD) TR12_Historical Data.Rain (in)



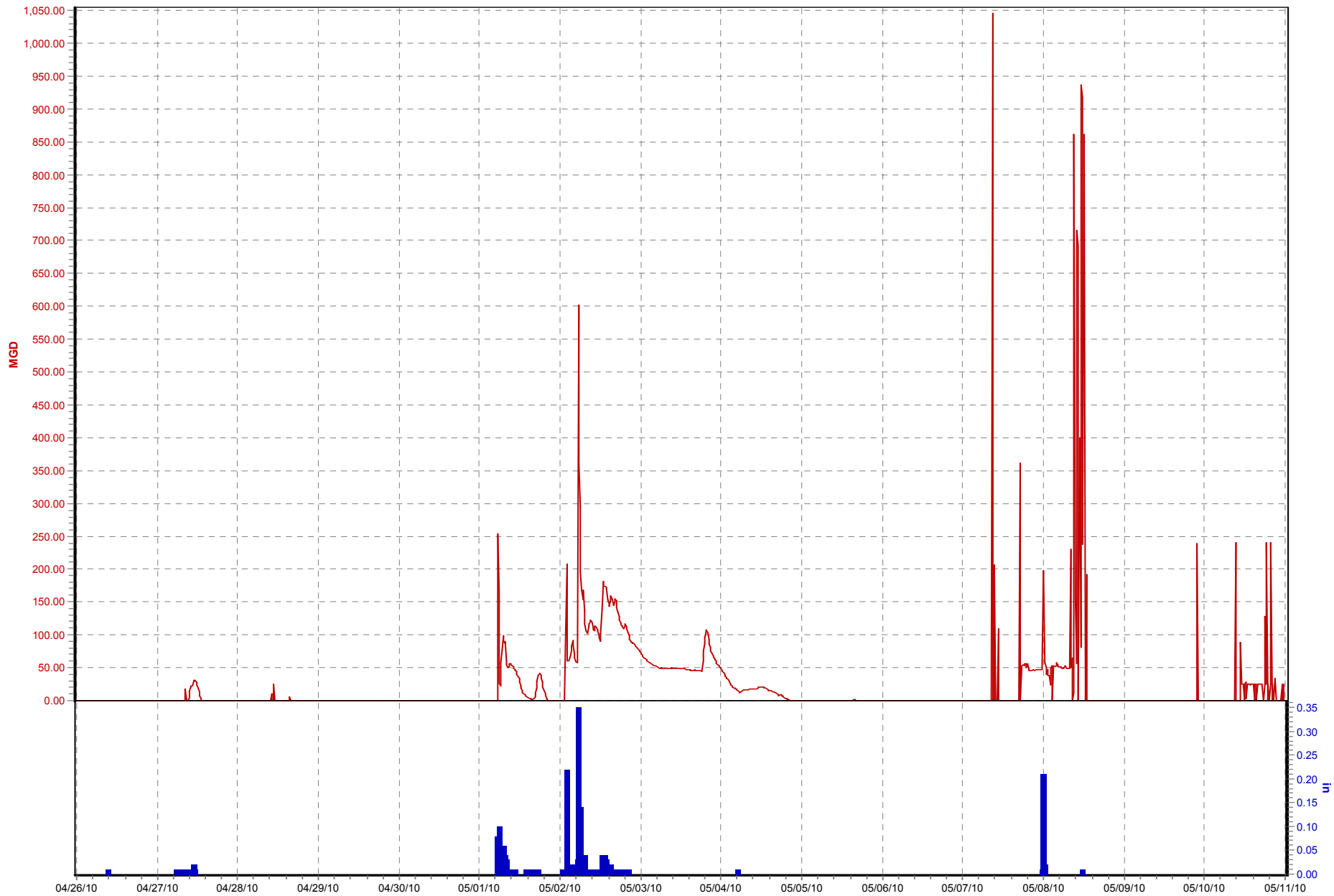
CSO019 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR04_Historical Data.Rain (in)



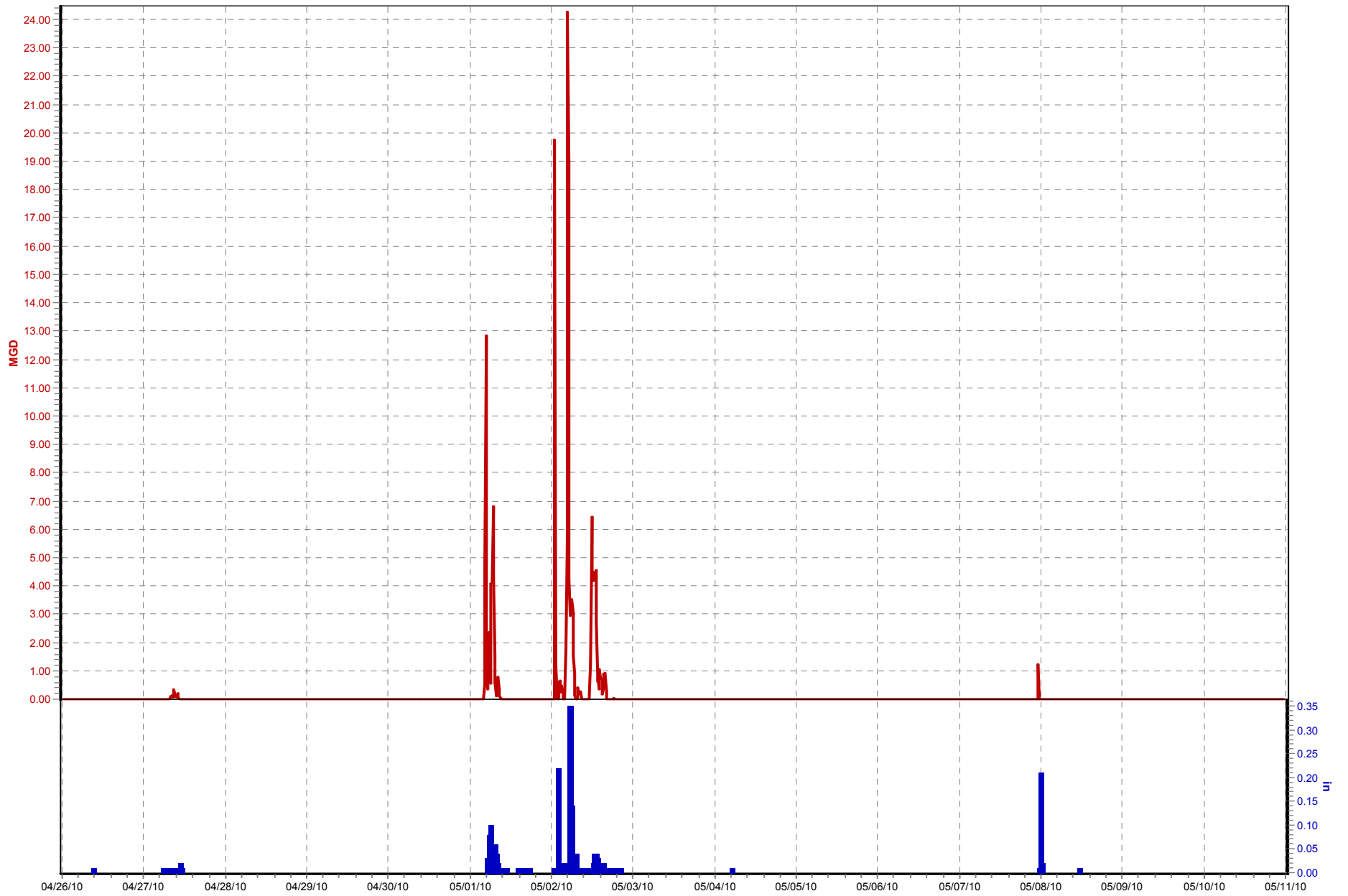
CSO20_Historical Data (04/26/10 to 05/11/10)

Flow (MGD) TR05_Historical Data.Rain (in)



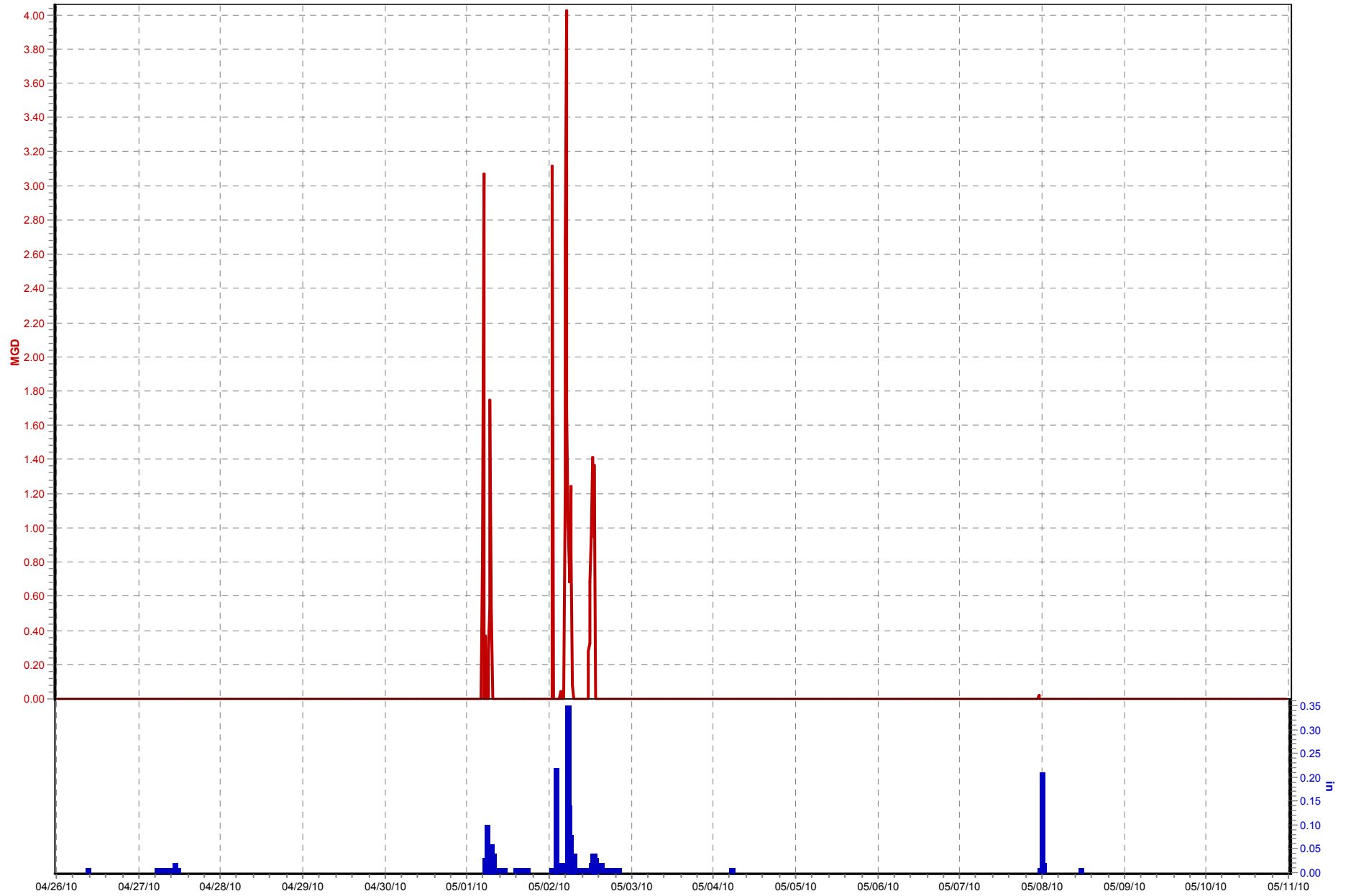
CSO050 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



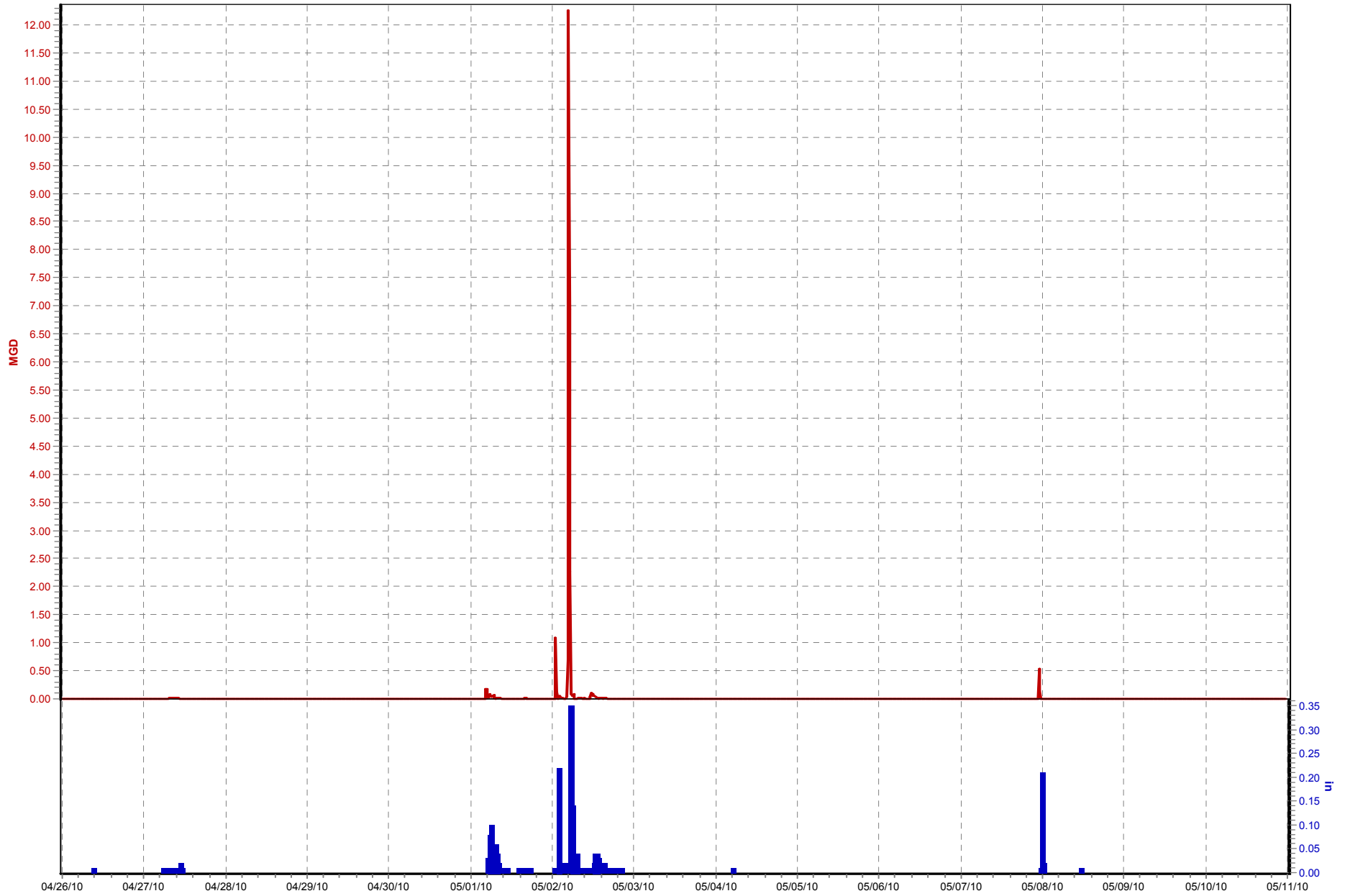
CSO055 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



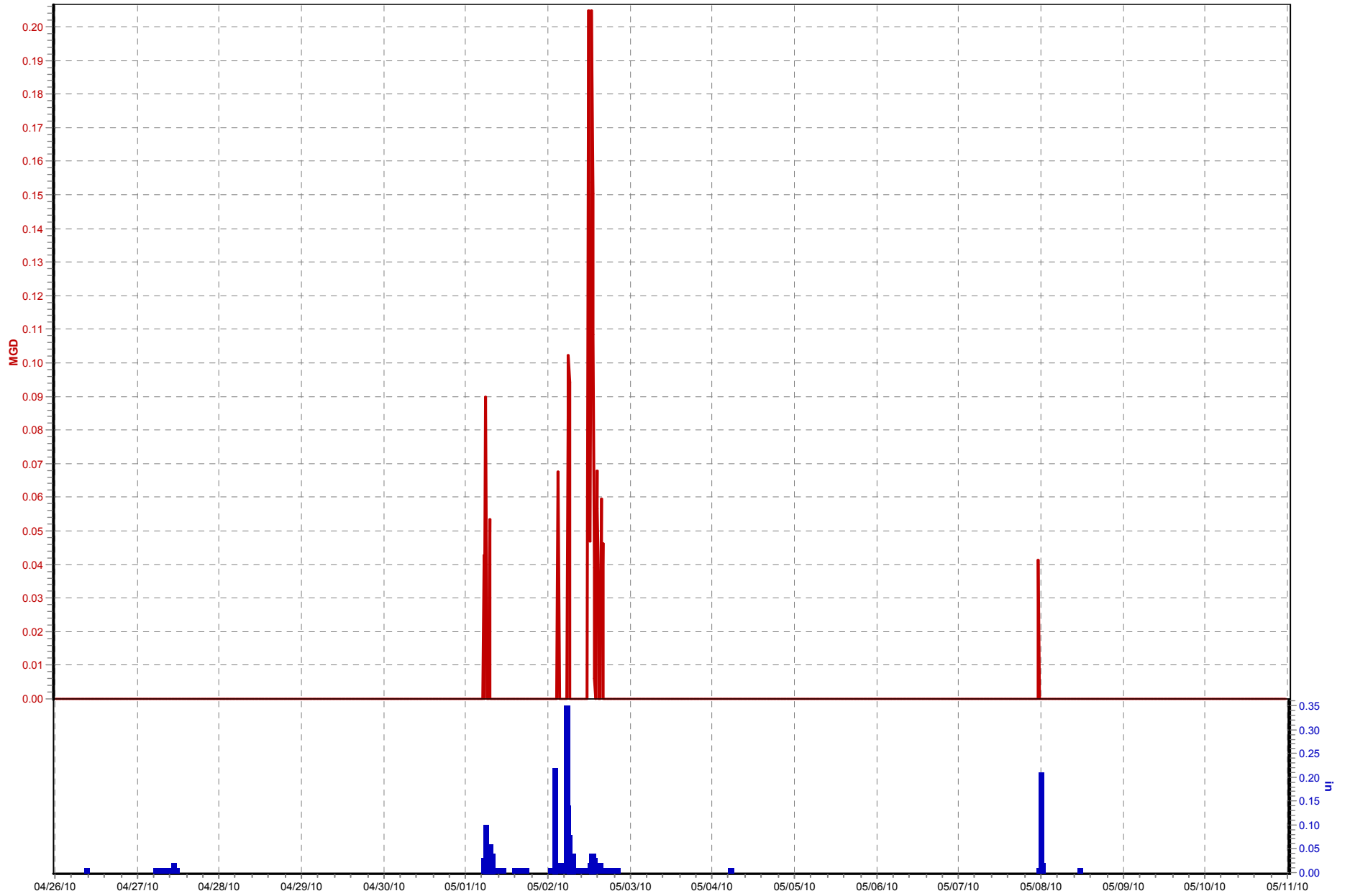
CSO058 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



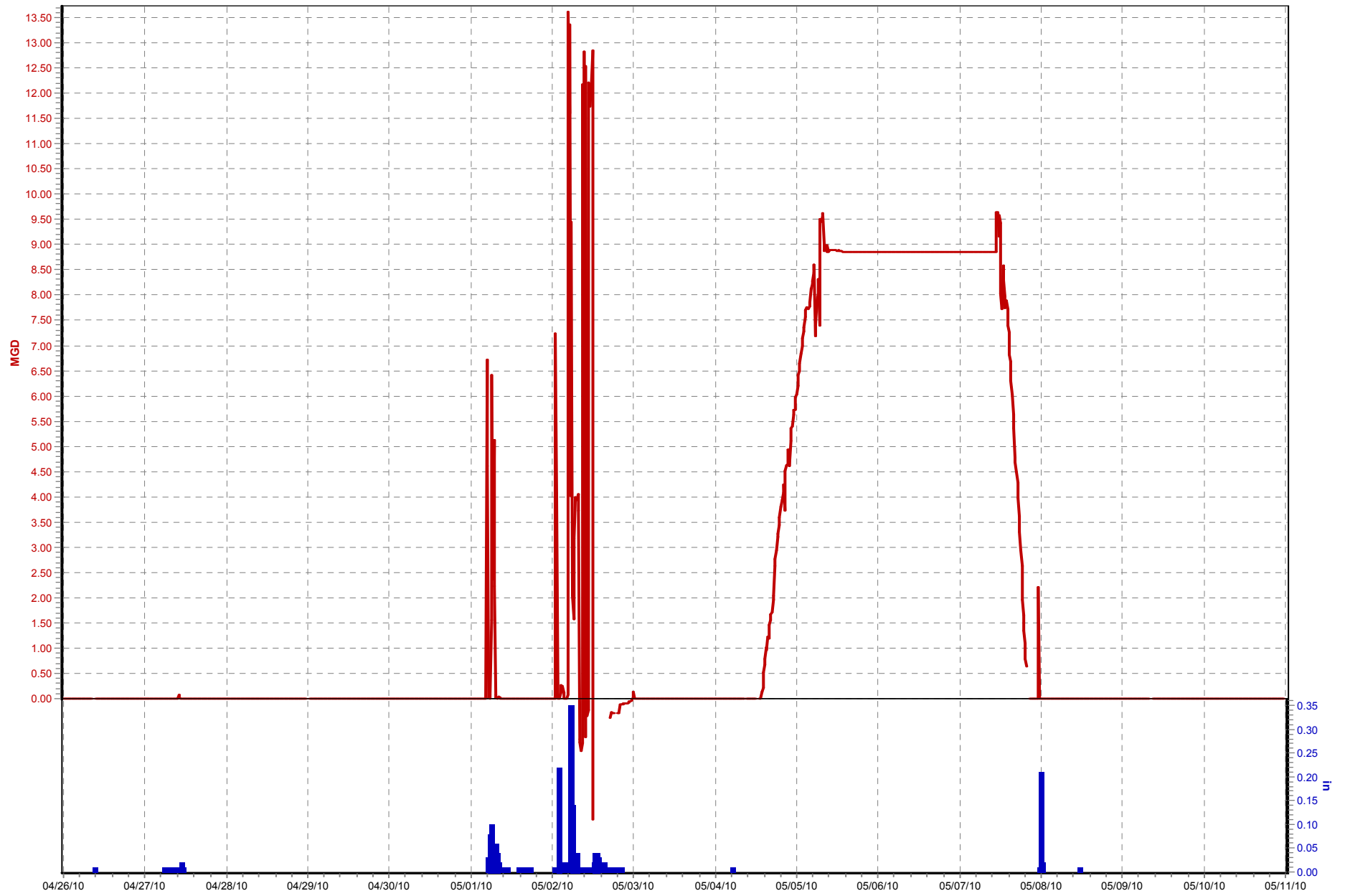
CSO084 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



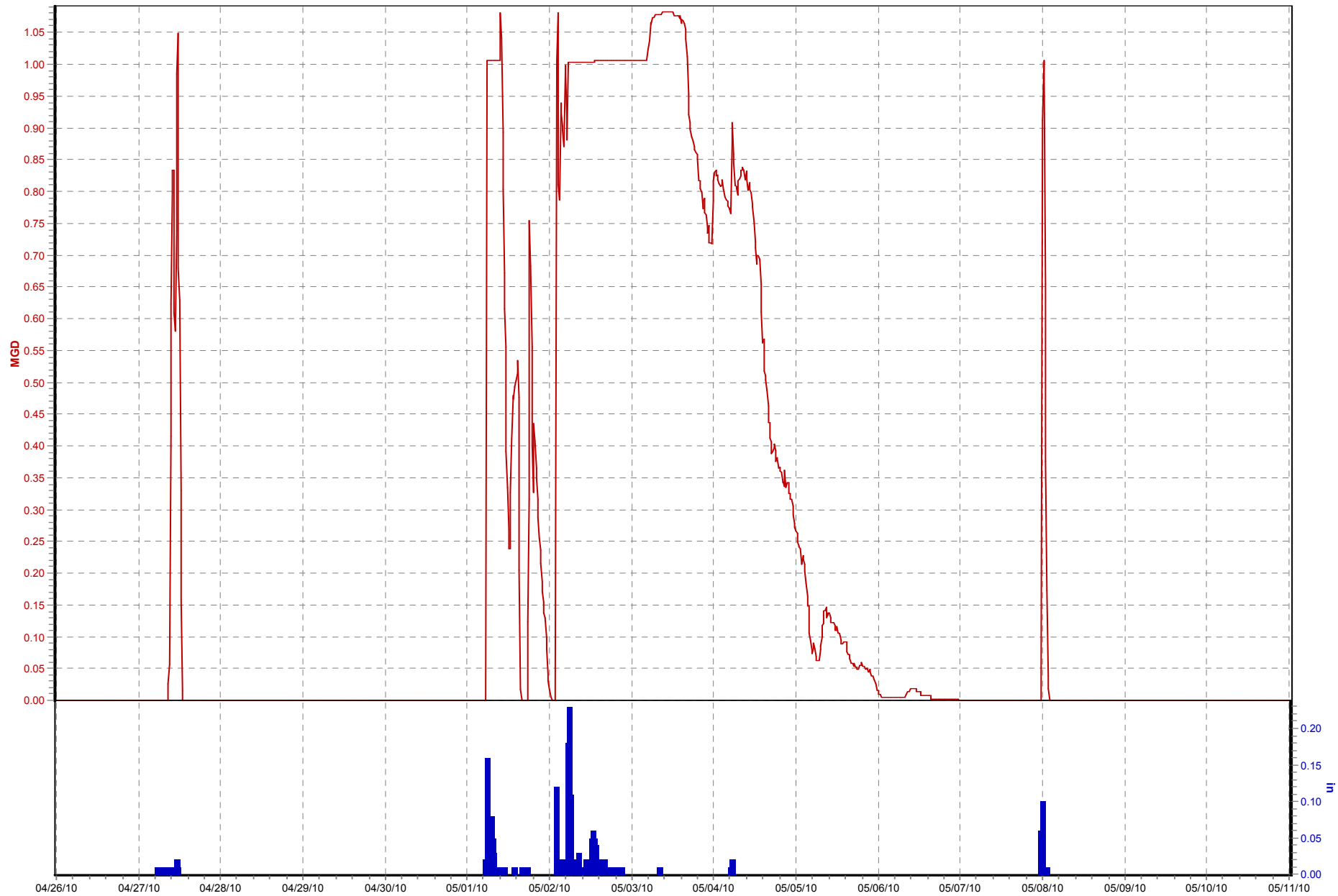
CSO088 (04/26/10 to 05/11/10)

M1 Flow (MGD) TR05_Historical Data.Rain (in)



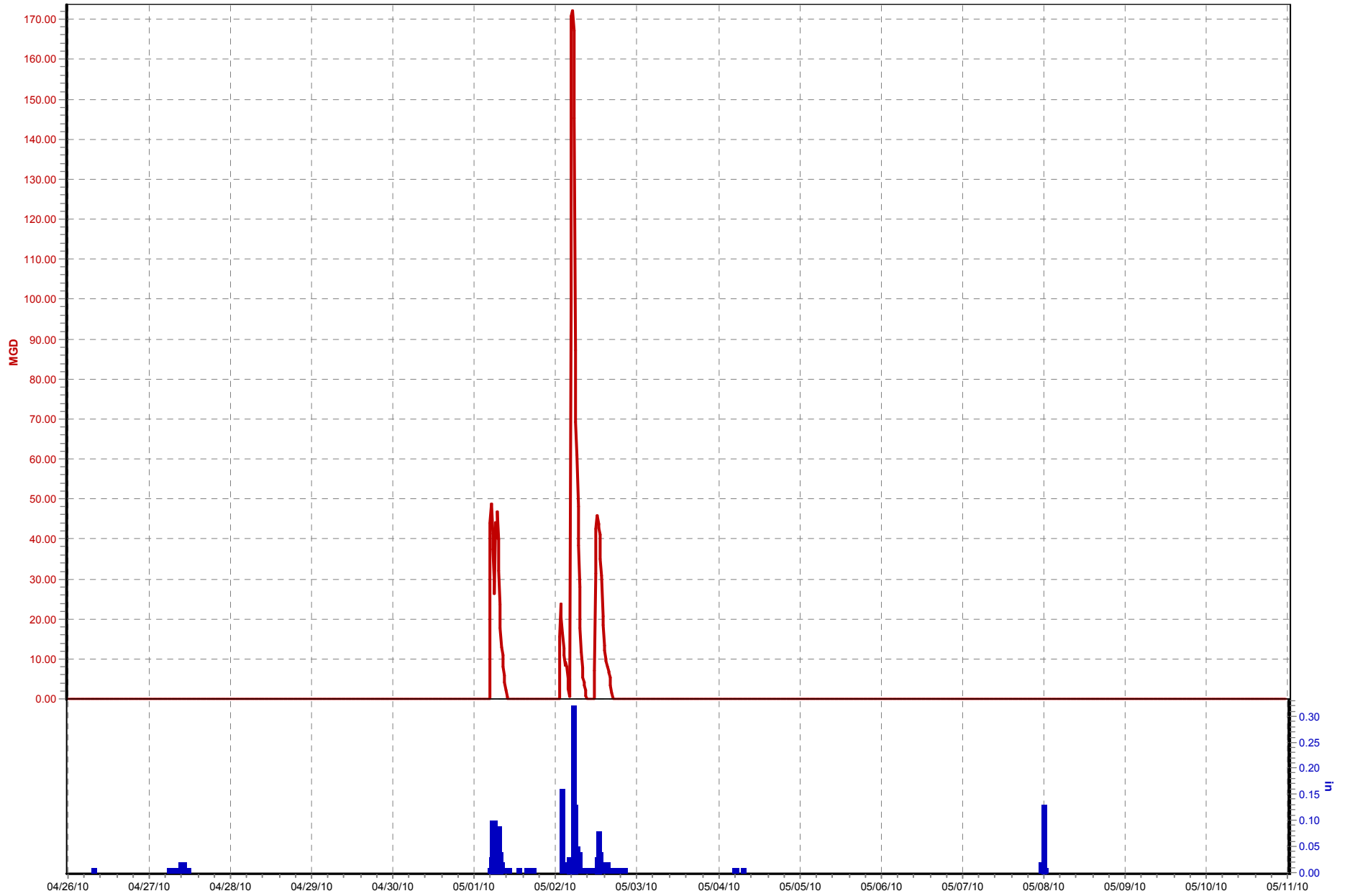
CSO097_Historical Data (04/26/10 to 05/11/10)

Flow (MGD) TR12_Historical Data.Rain (in)



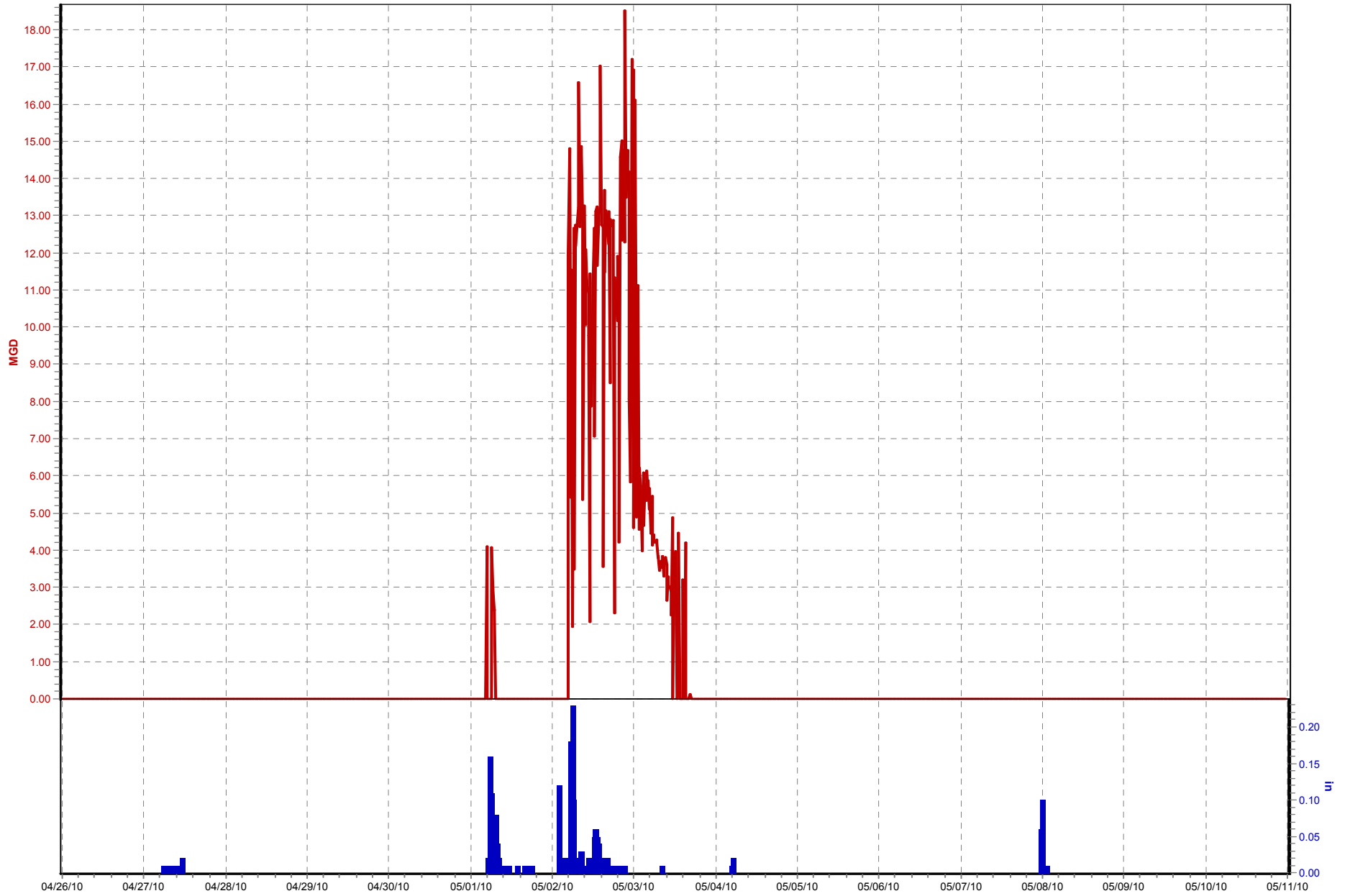
CSO105 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR04_Historical Data.Rain (in)



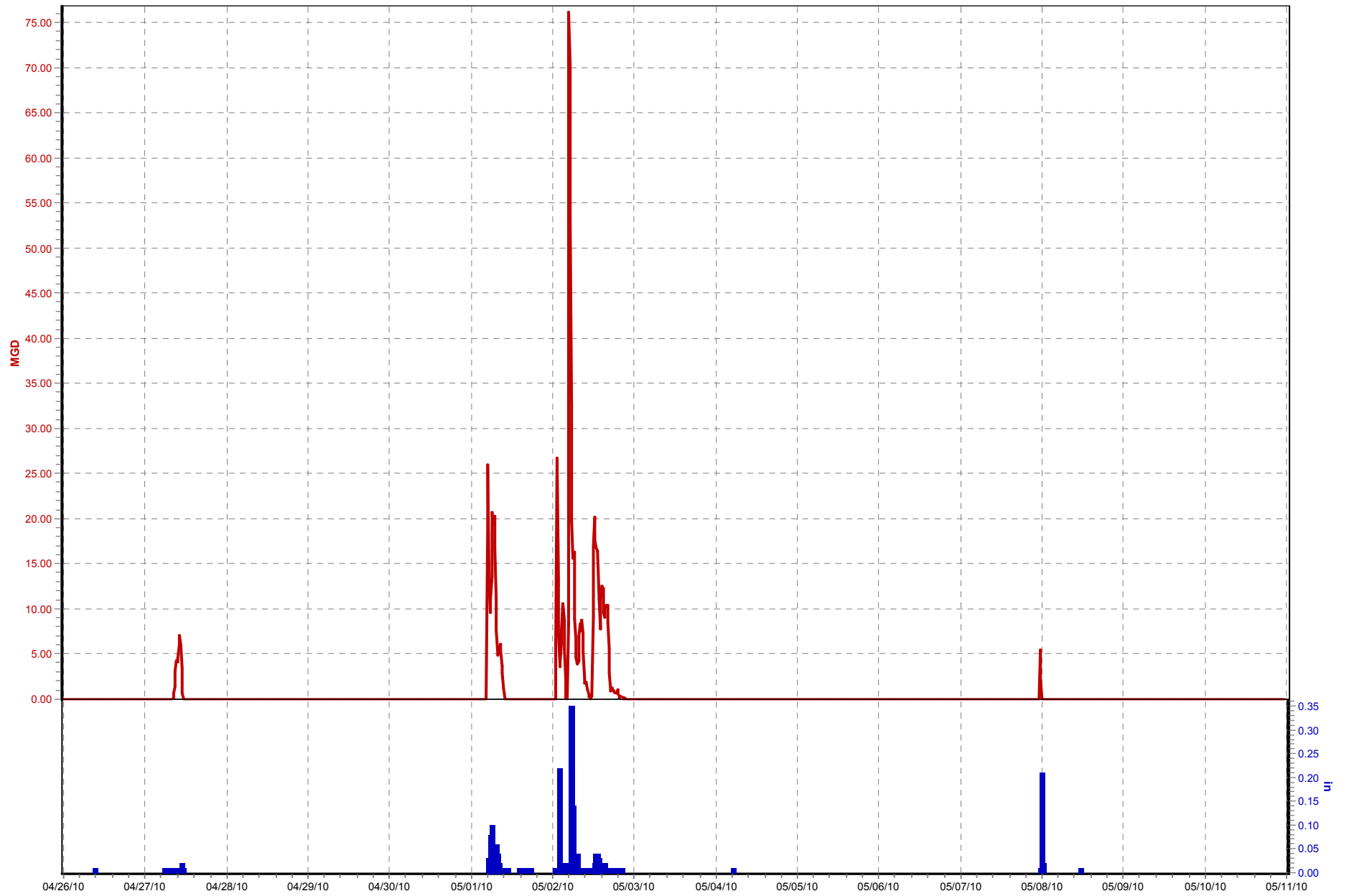
CSO108 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR12_Historical Data.Rain (in)



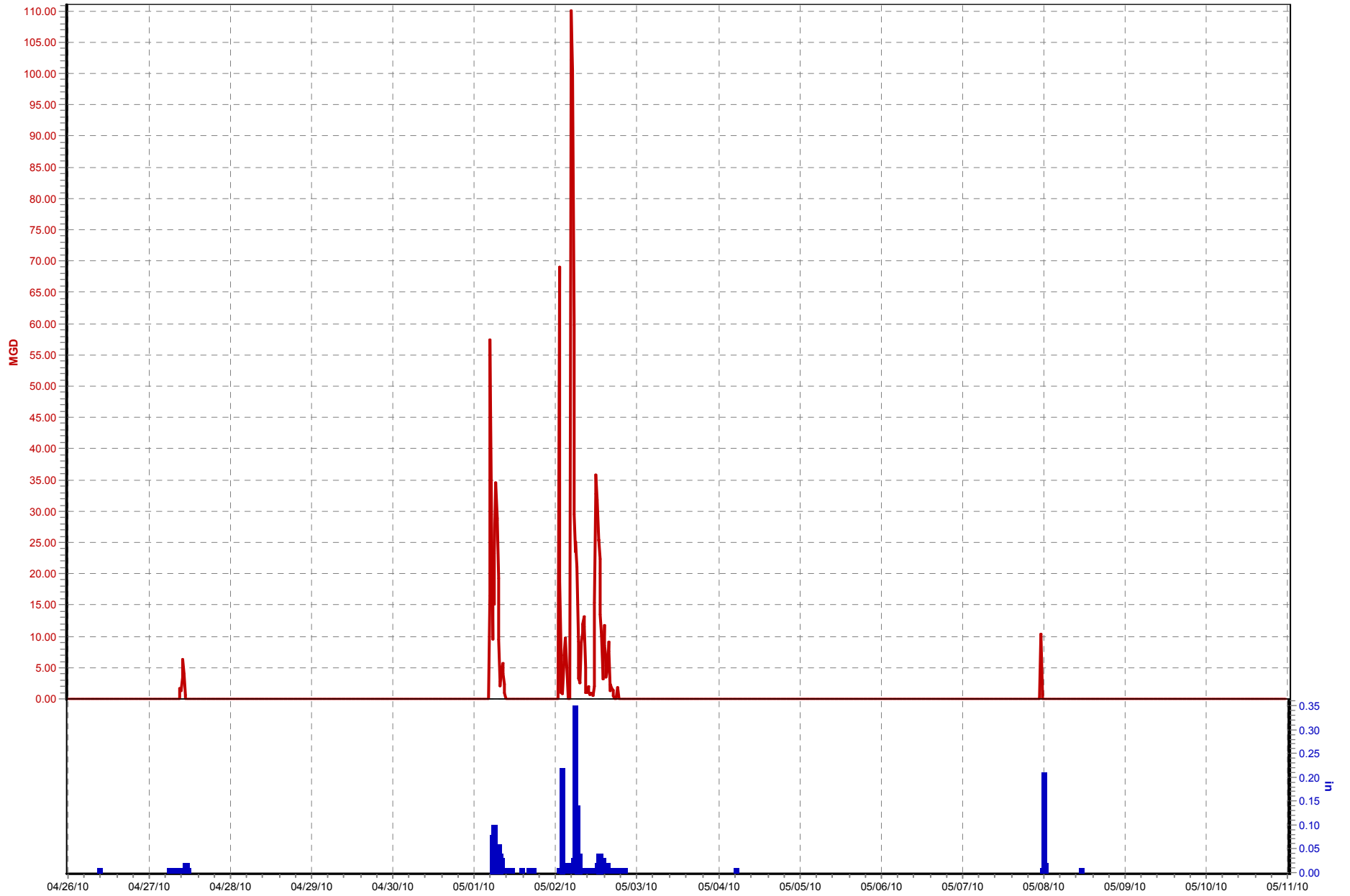
CSO117 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



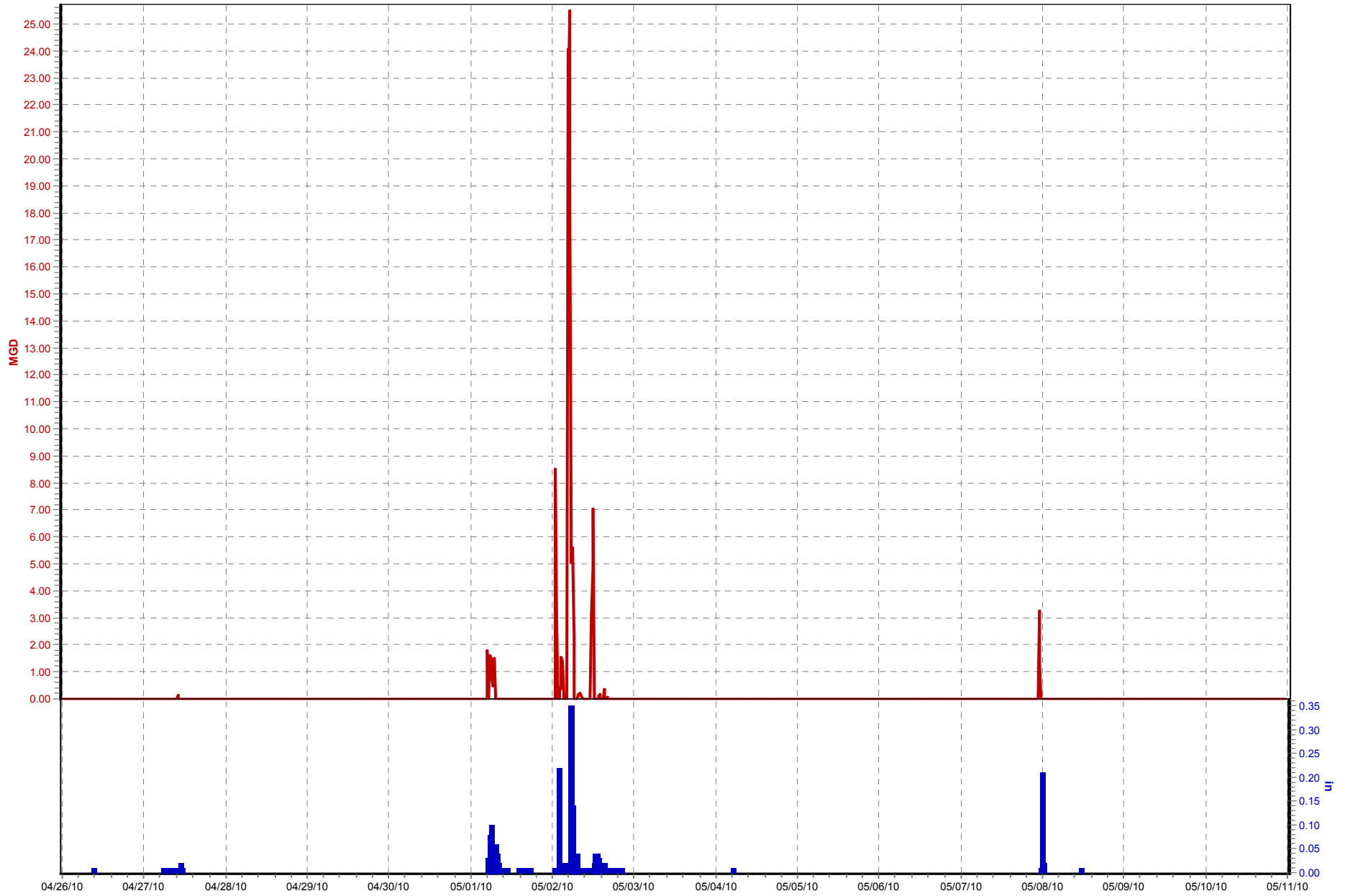
CSO118 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



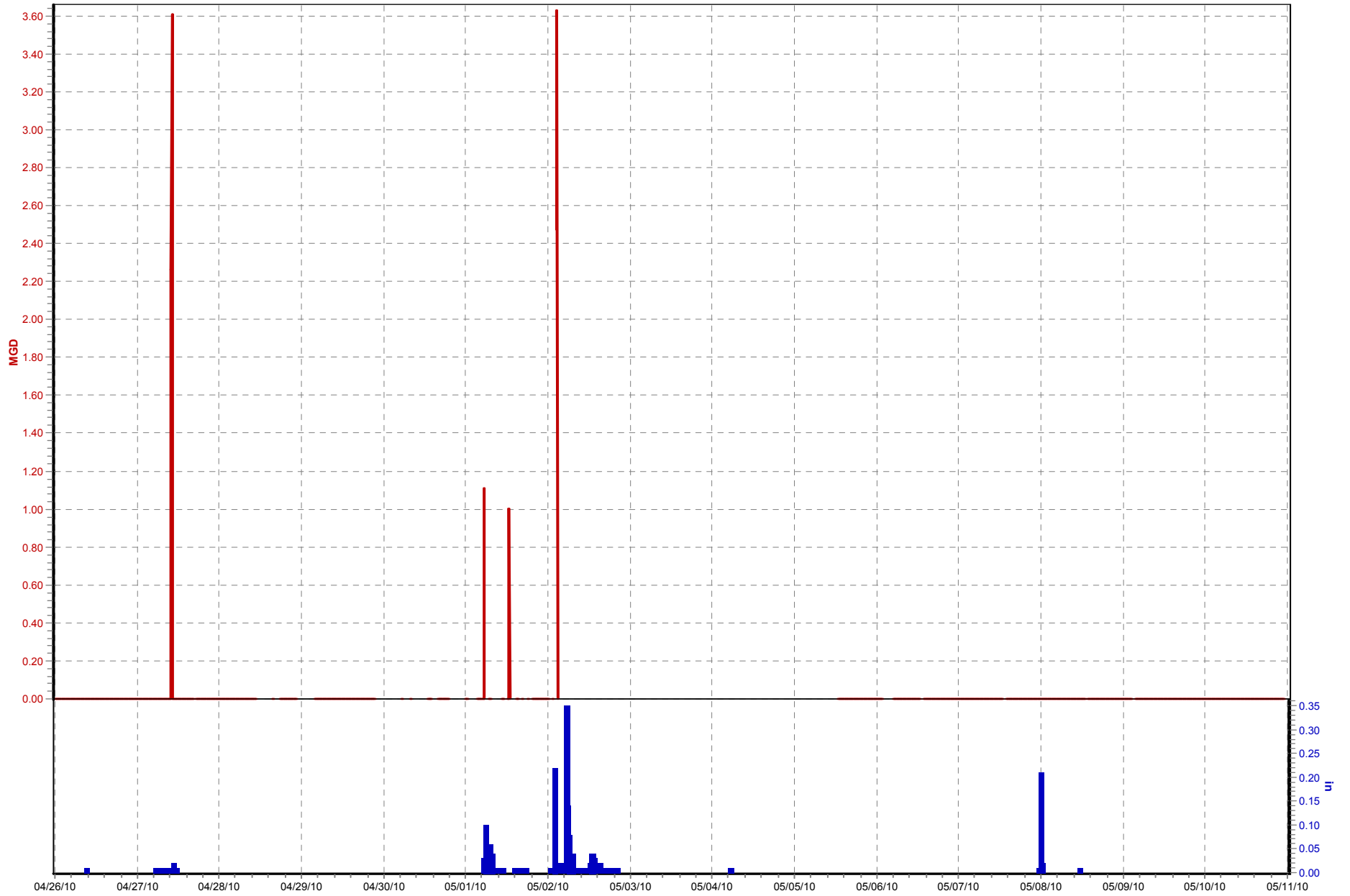
CSO121 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



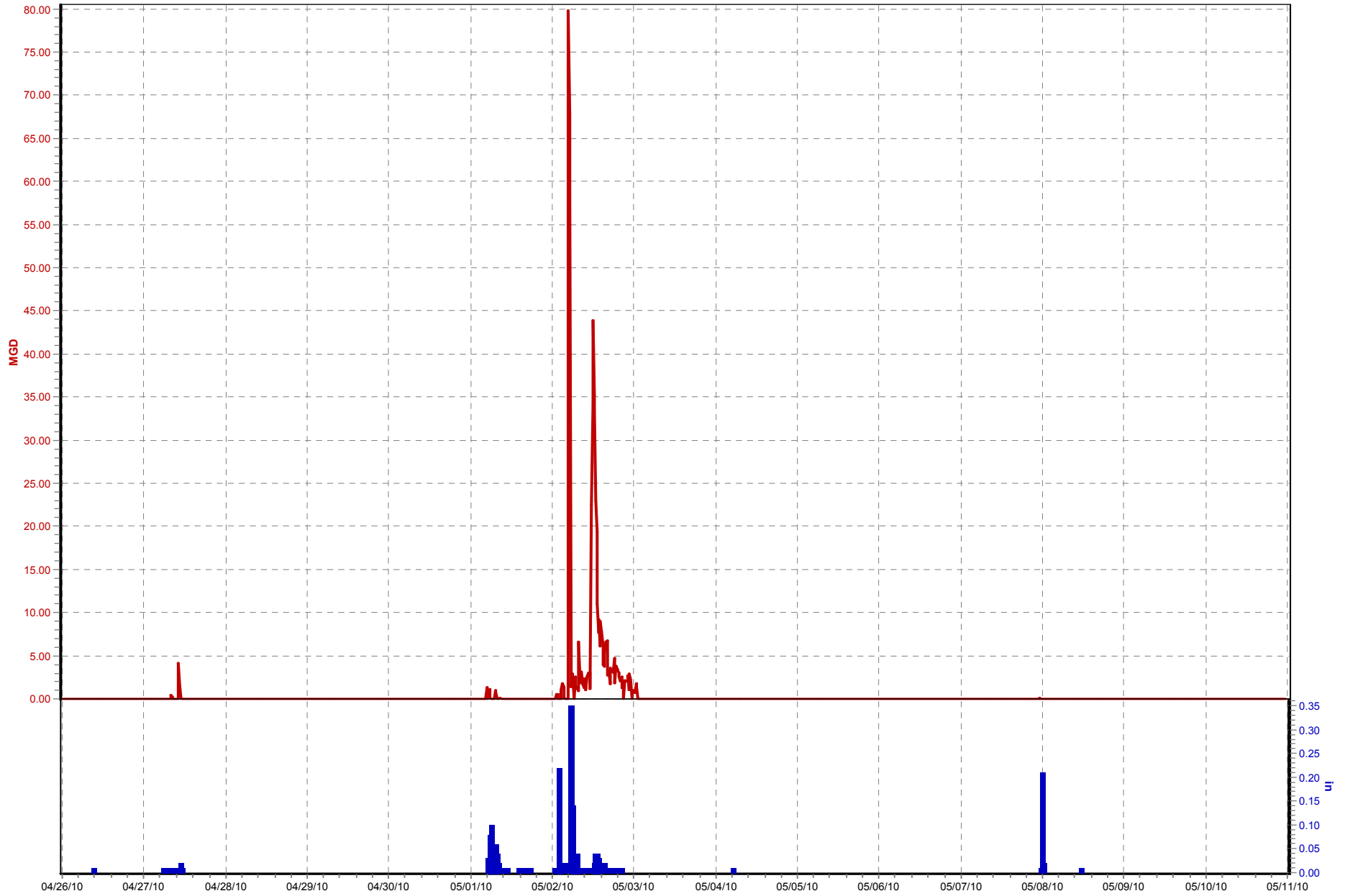
CSO125 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



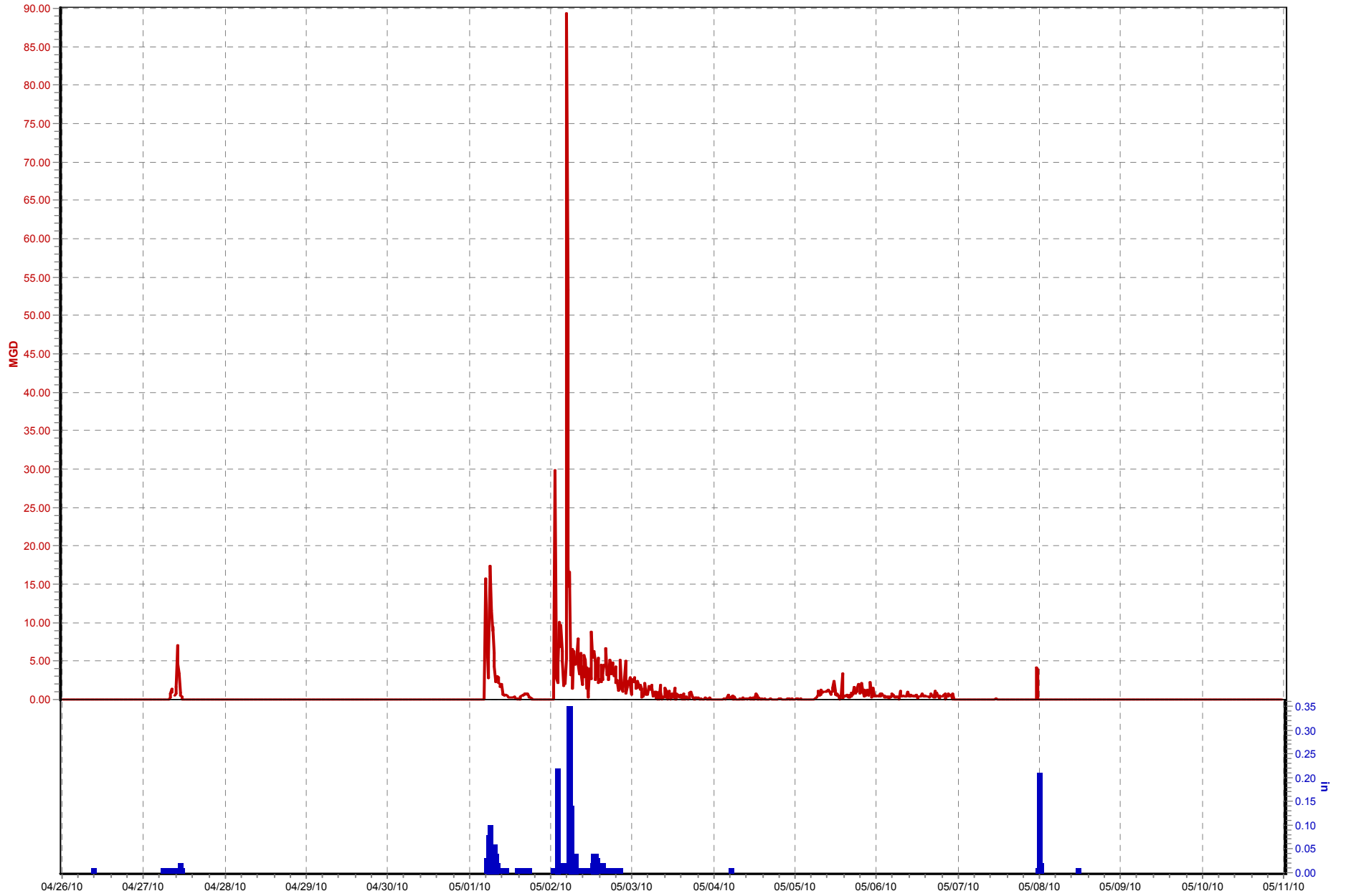
CSO127 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



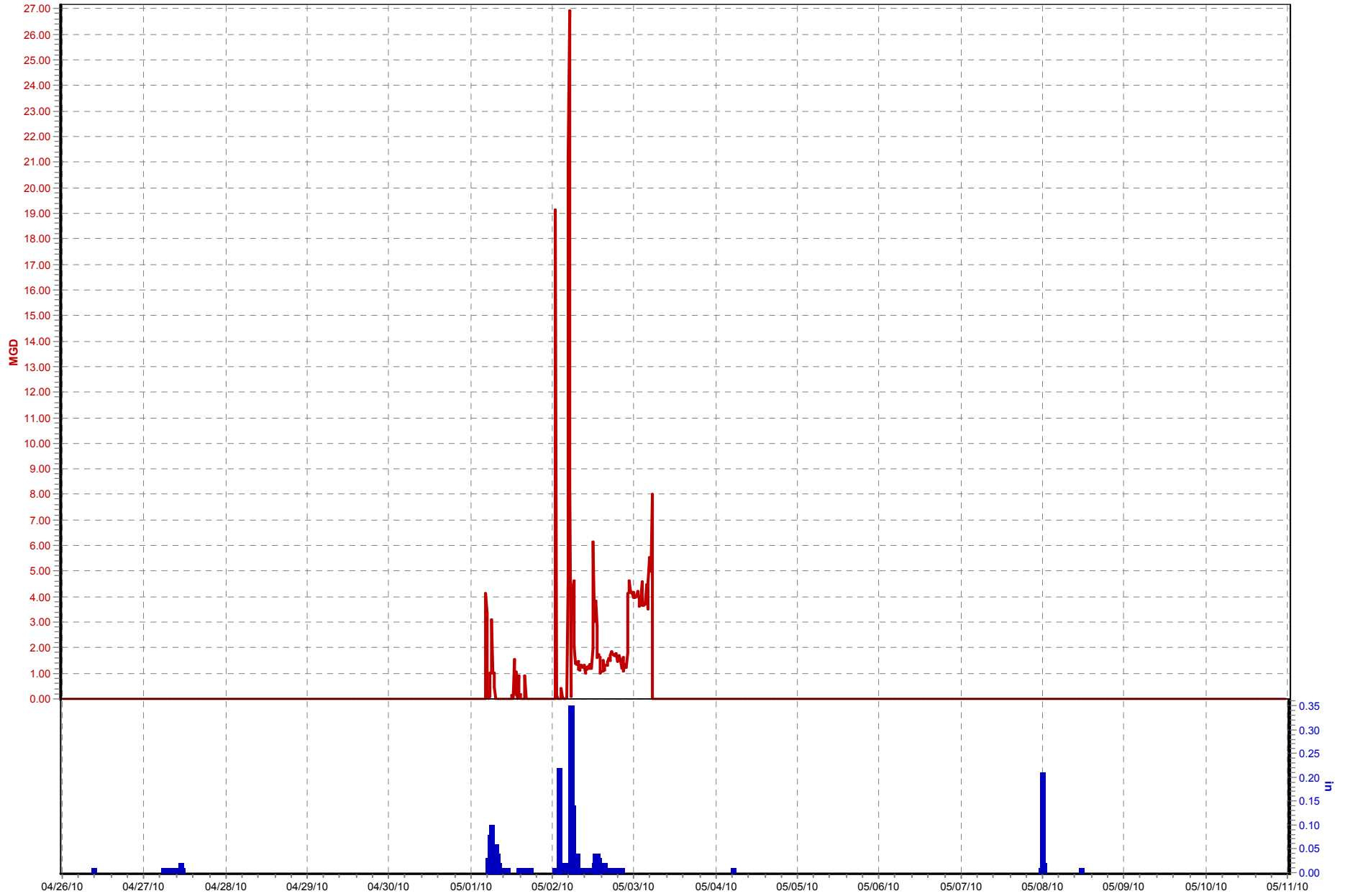
CSO132 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



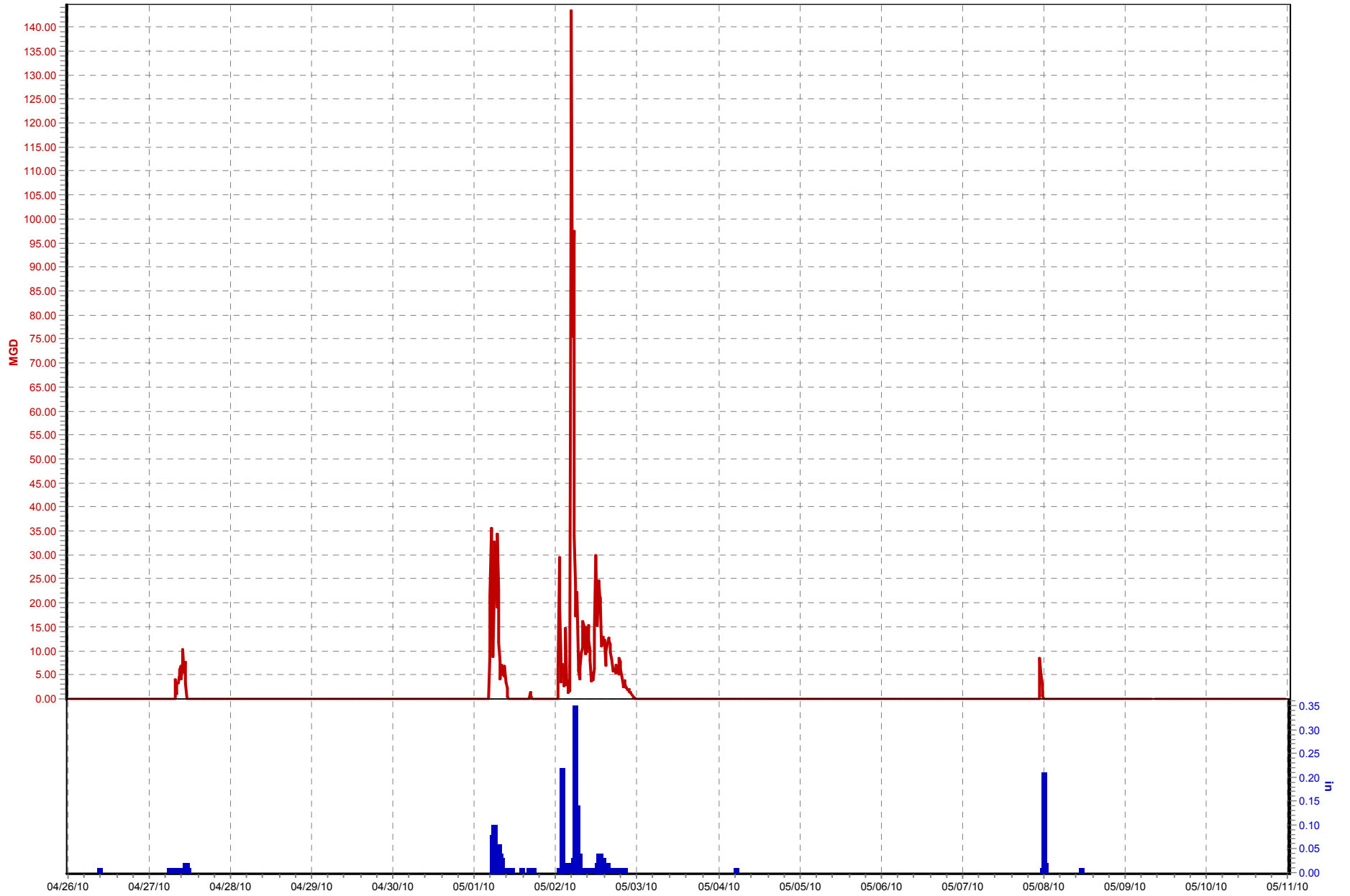
CSO140 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



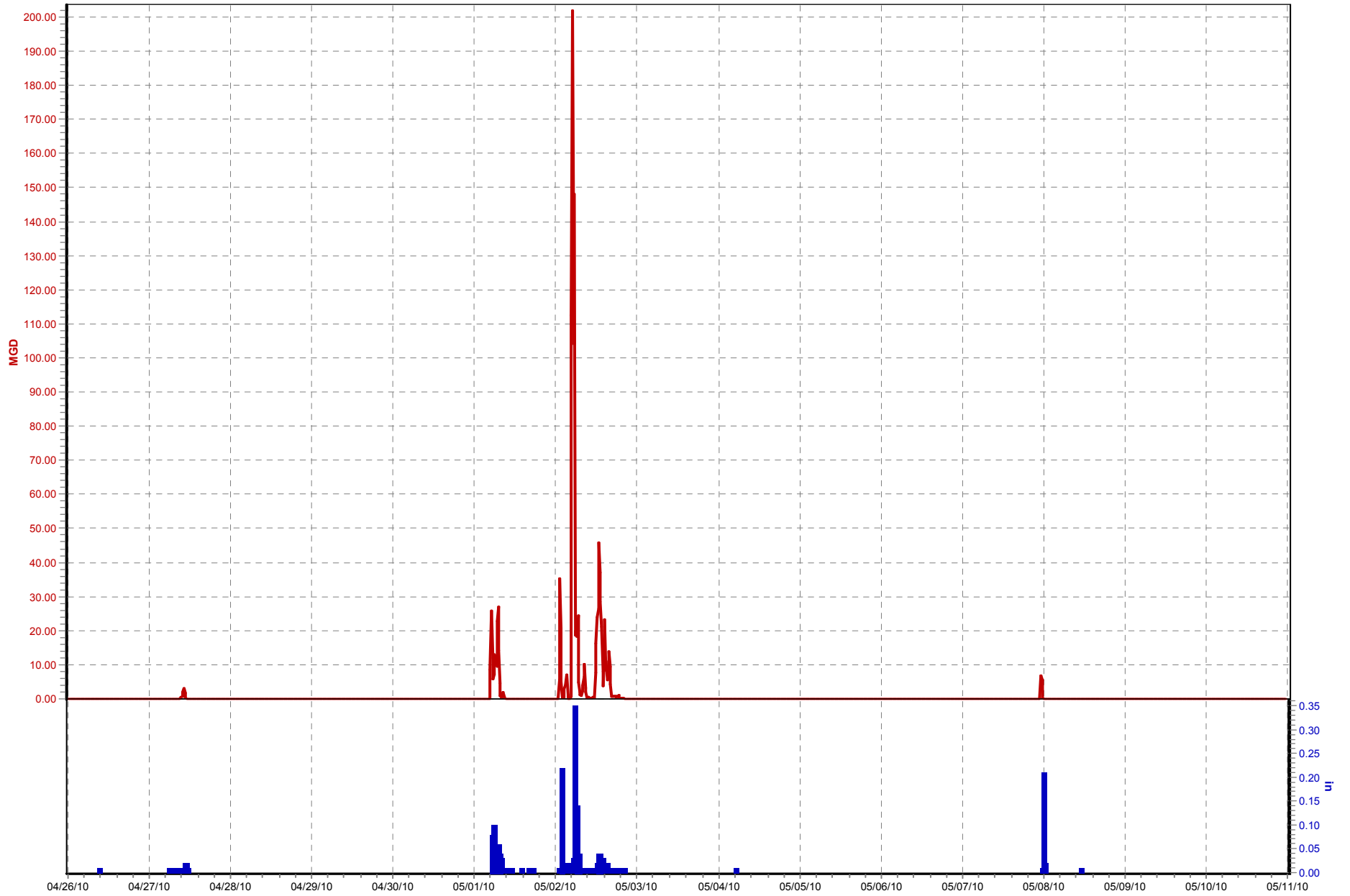
CSO146 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



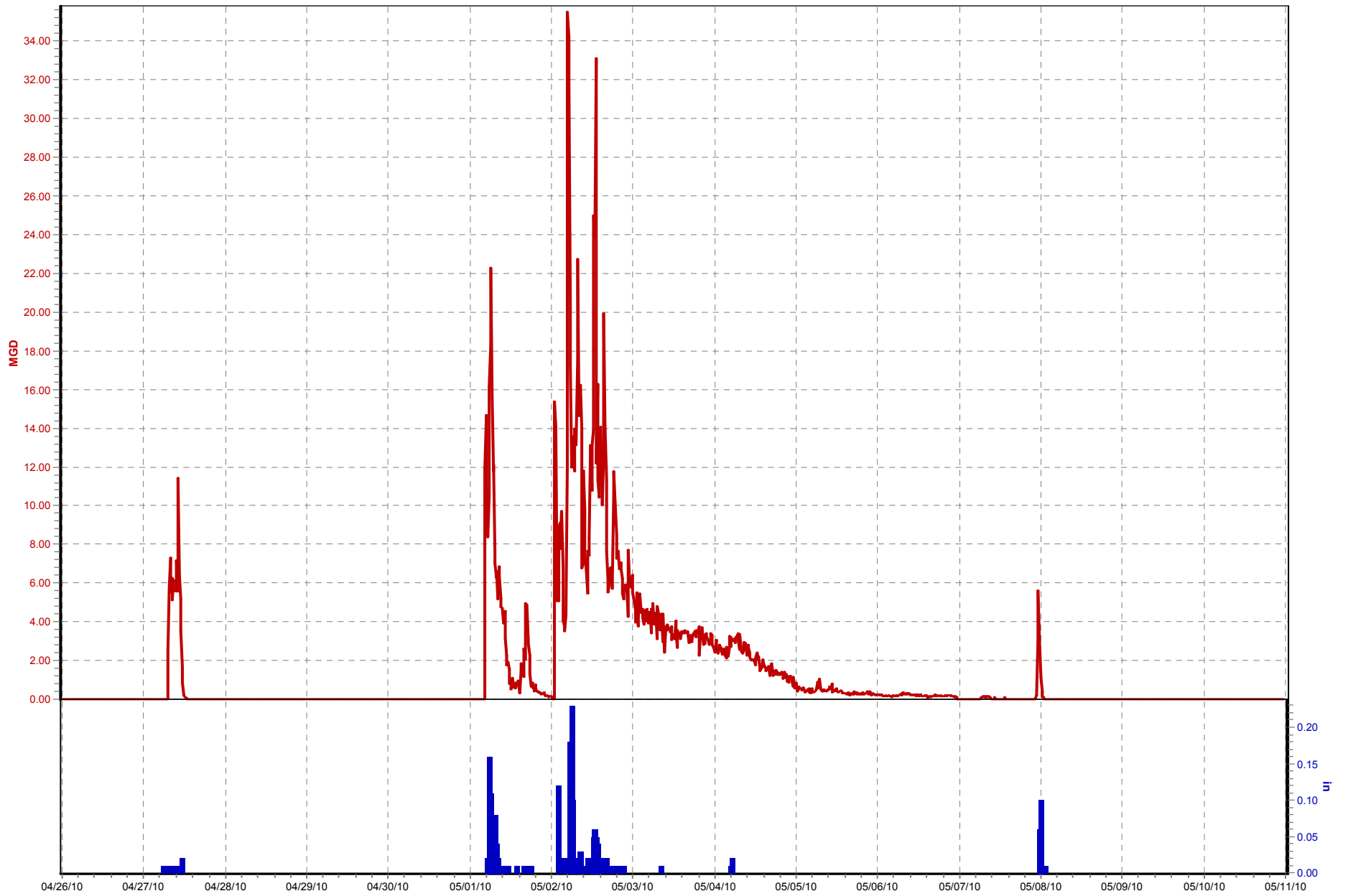
CSO149 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



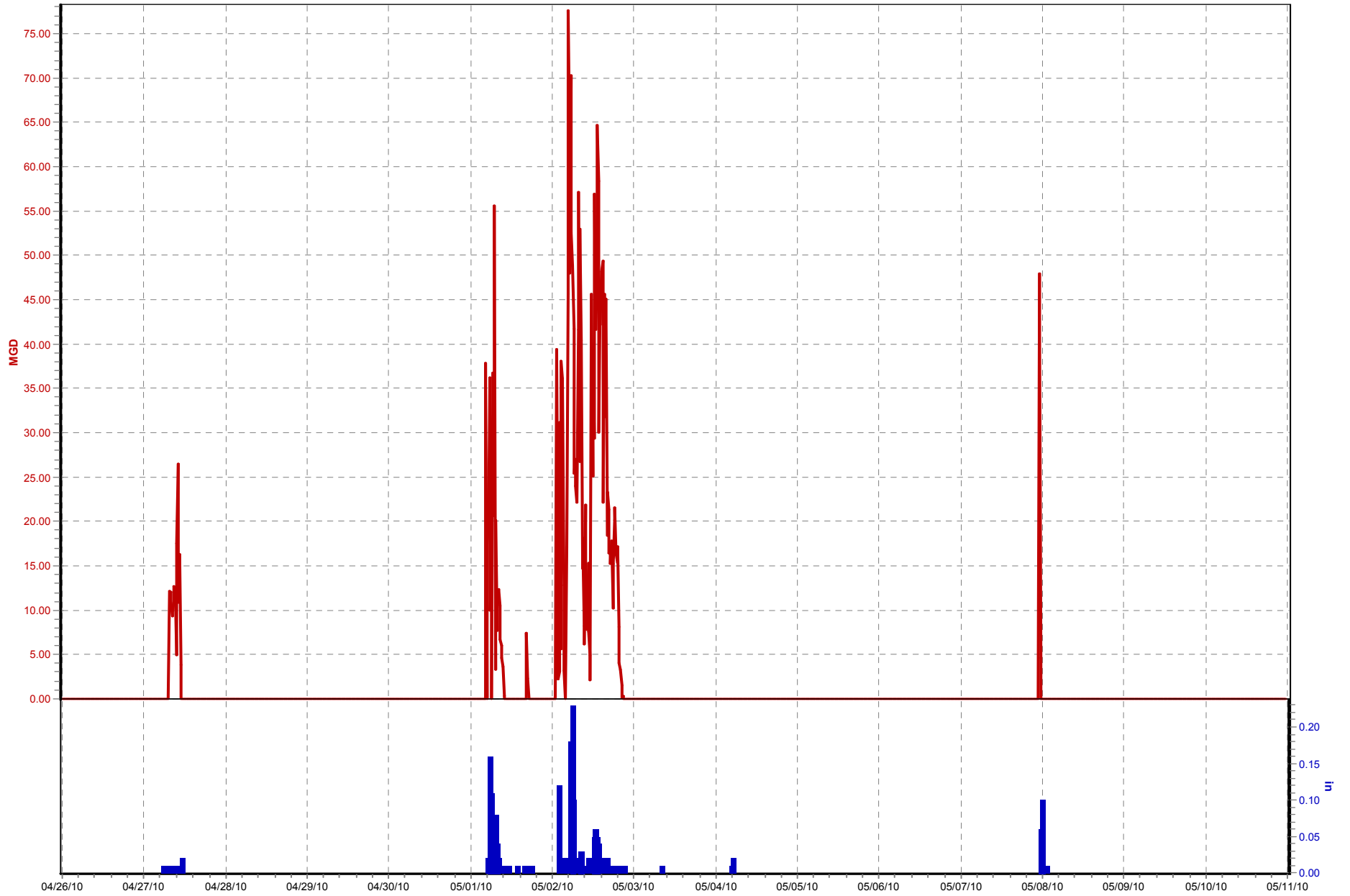
CSO151 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR12_Historical Data.Rain (in)



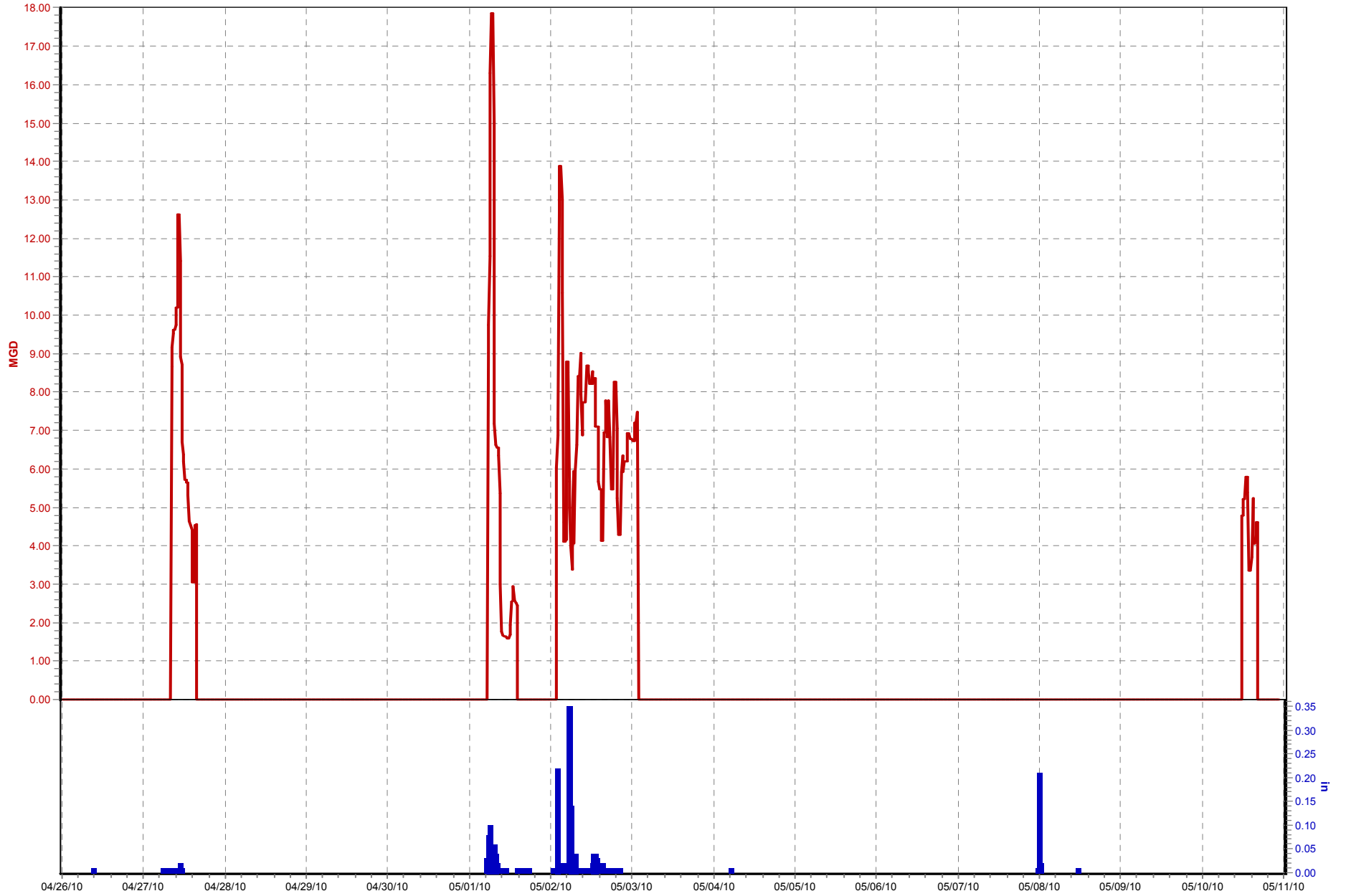
CSO152 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR12_Historical Data.Rain (in)



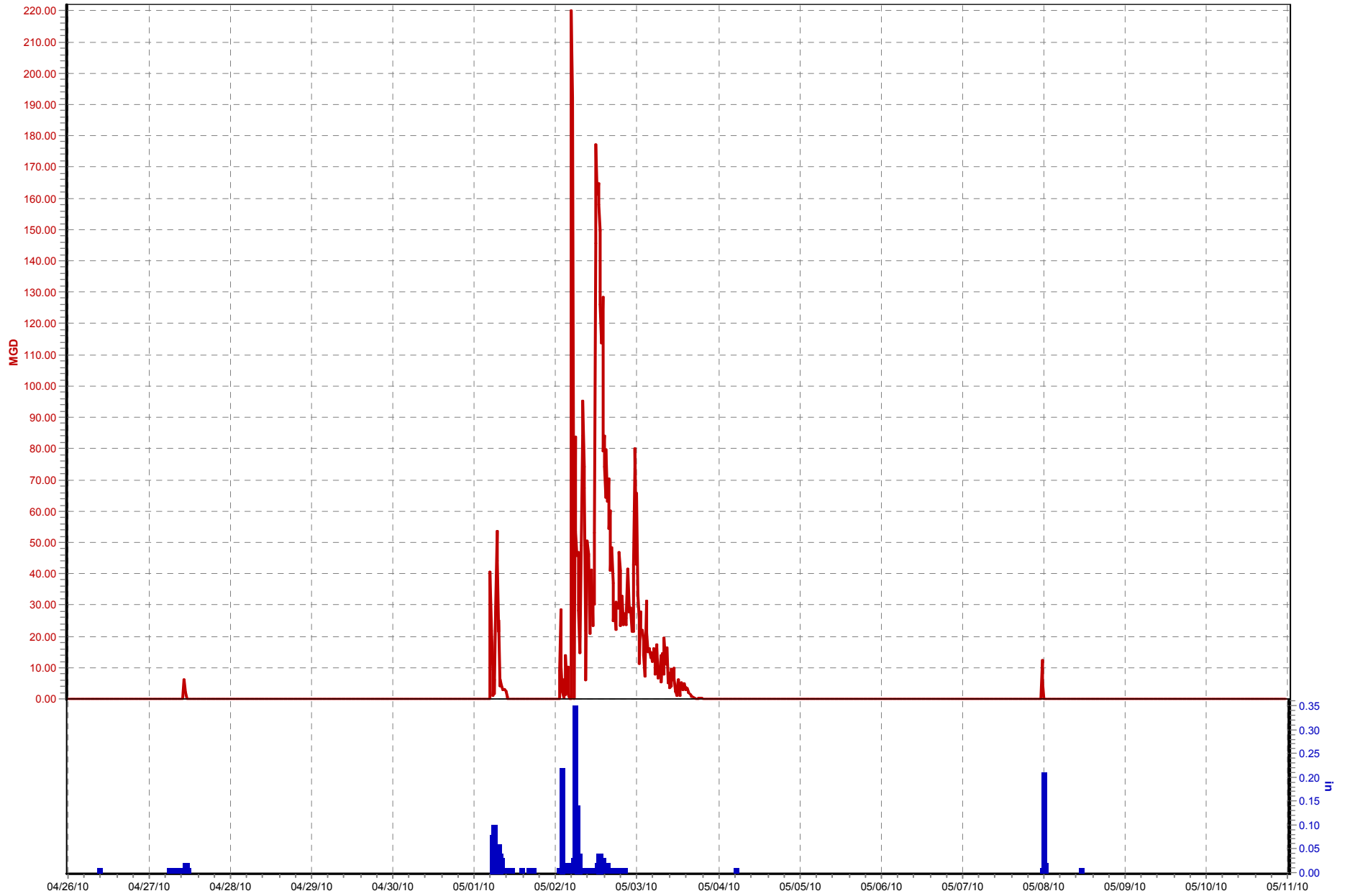
CSO153_Historic (04/26/10 to 05/11/10)

Flodar Flow (MGD) TR05_Historical Data.Rain (in)



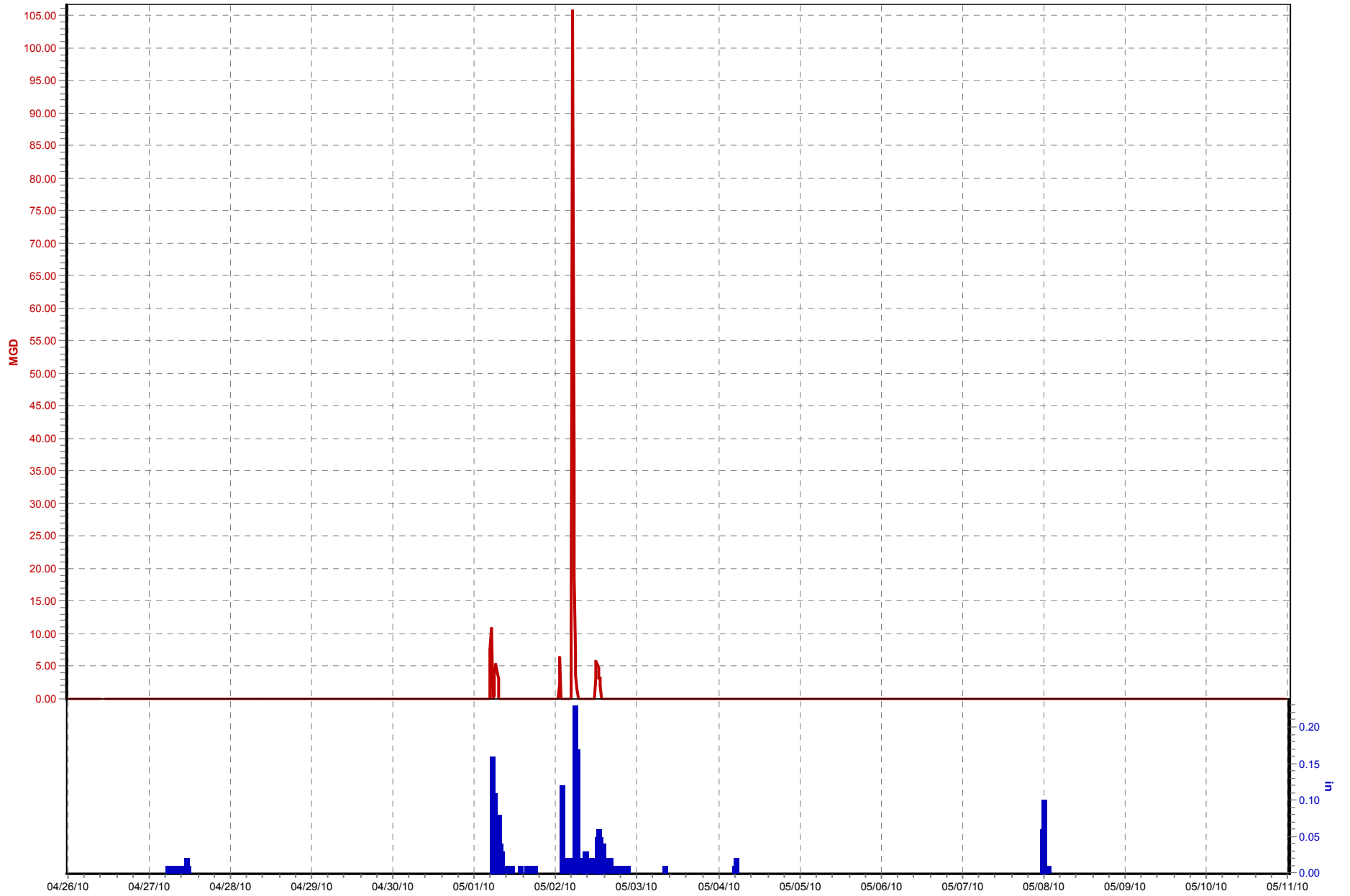
CSO166 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



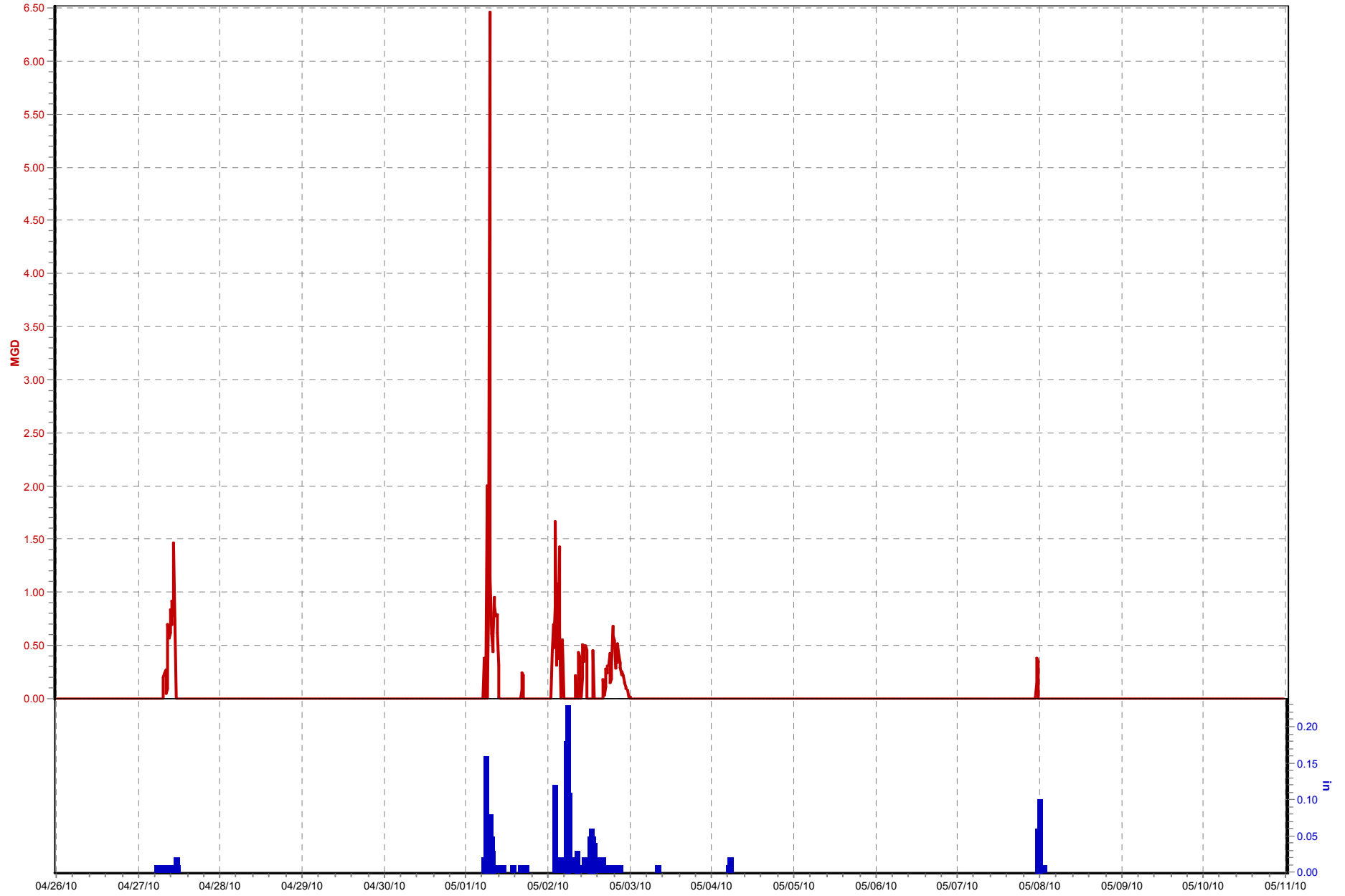
CSO174 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR12_Historical Data.Rain (in)



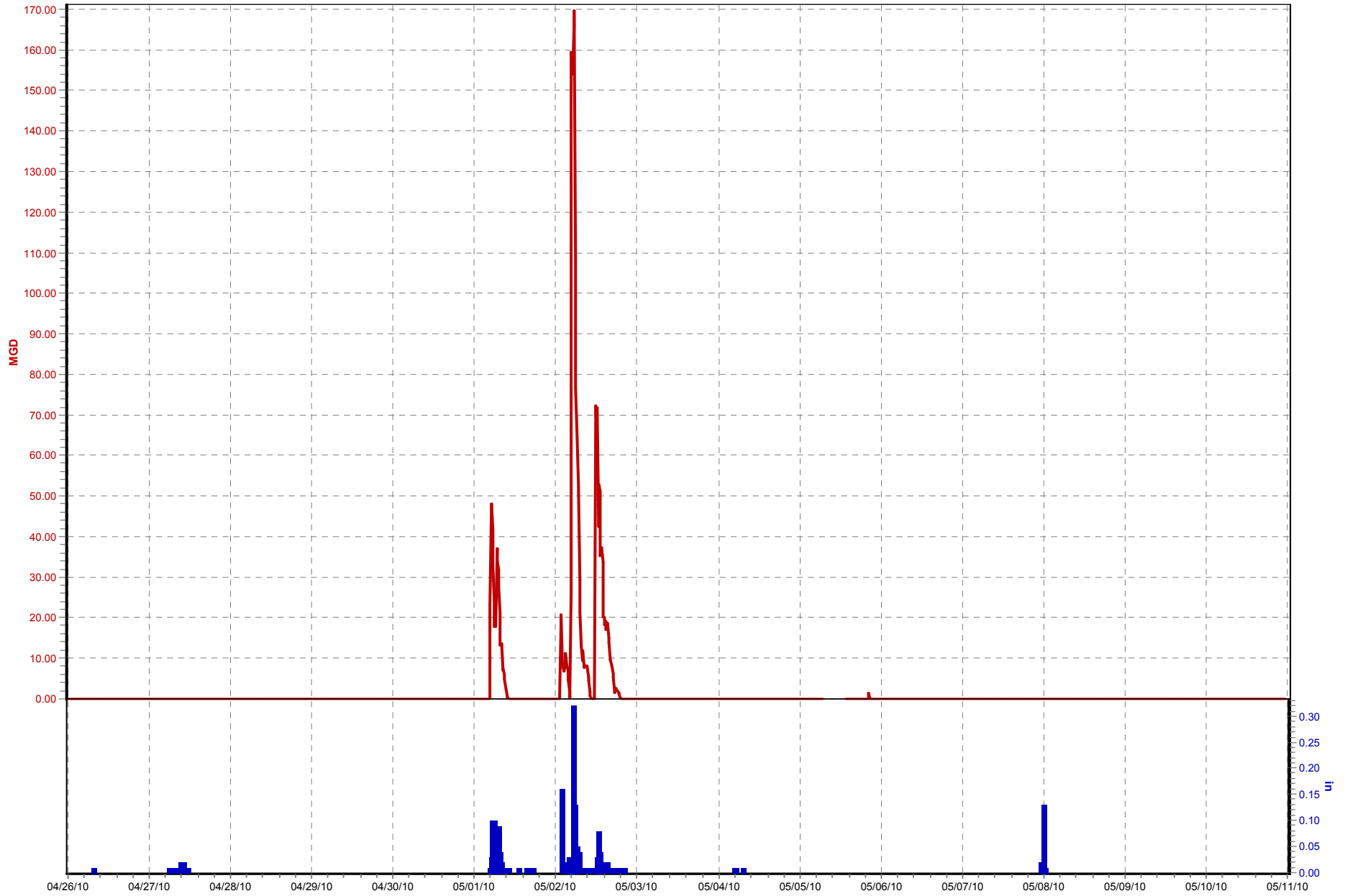
CSO182 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR12_Historical Data.Rain (in)



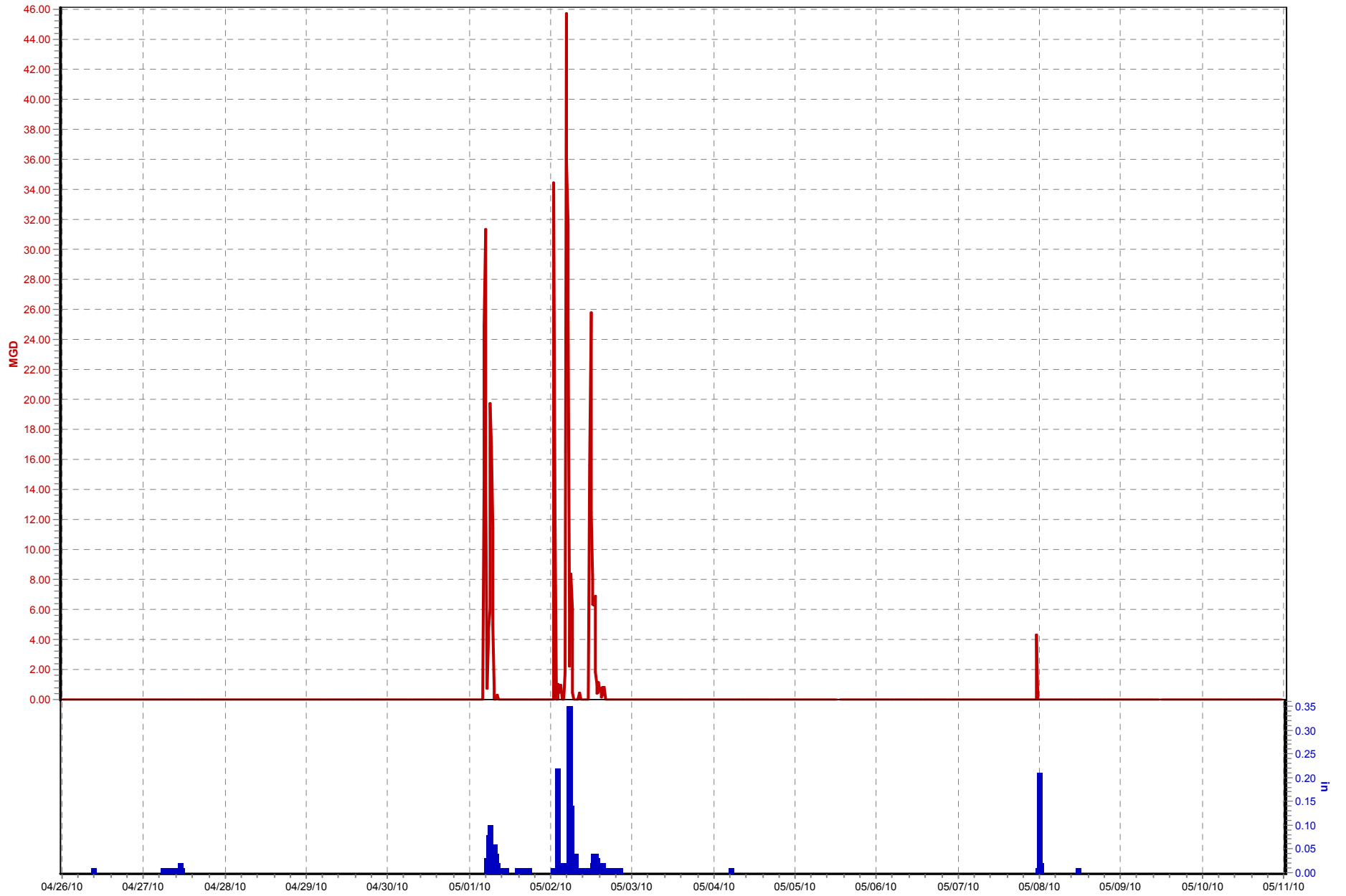
CSO189 (04/26/10 to 05/11/10)

Flow 1 (MGD) TR04_Historical Data.Rain (in)



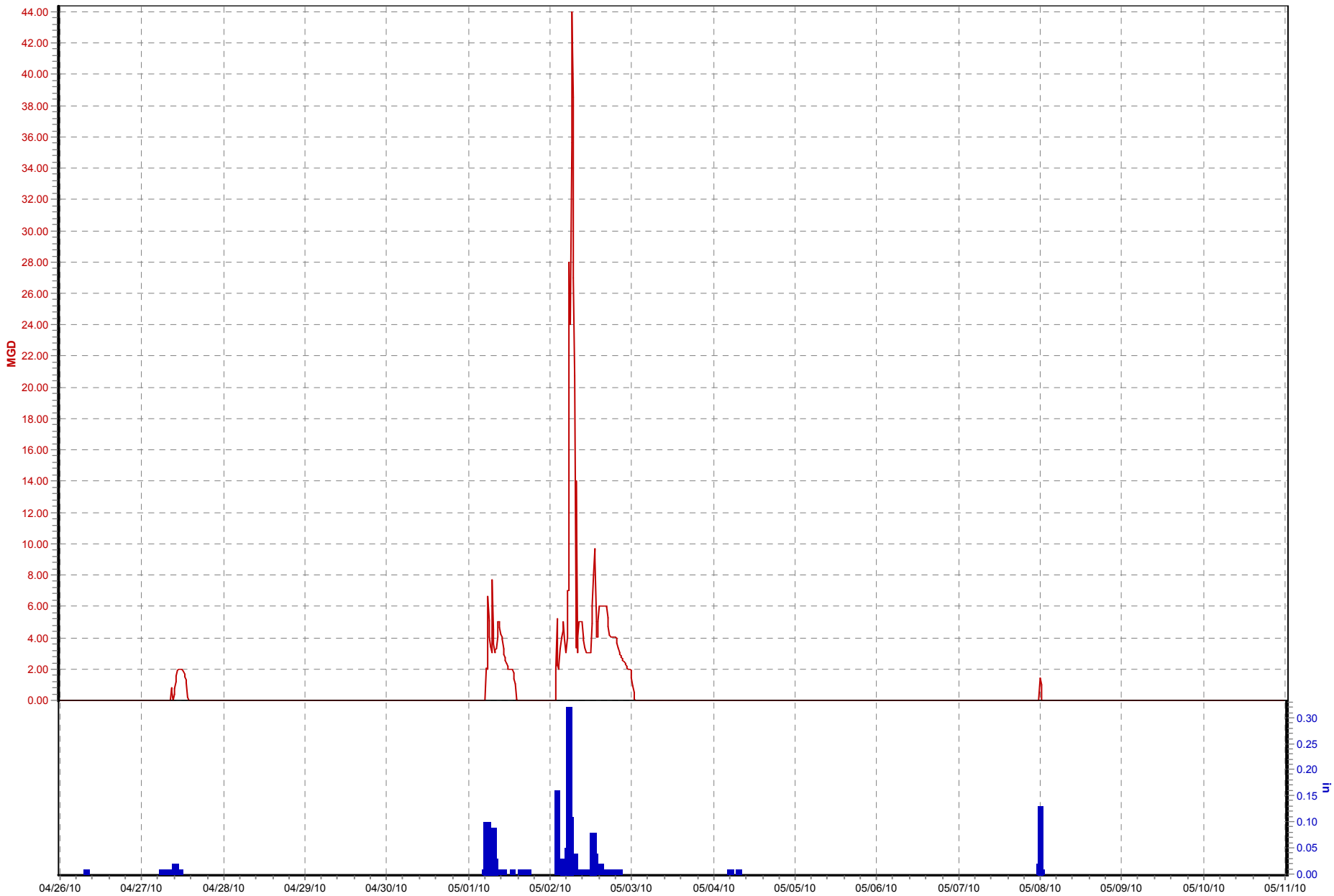
CSO190_Historic (04/26/10 to 05/11/10)

Flow 1 (MGD) TR05_Historical Data.Rain (in)



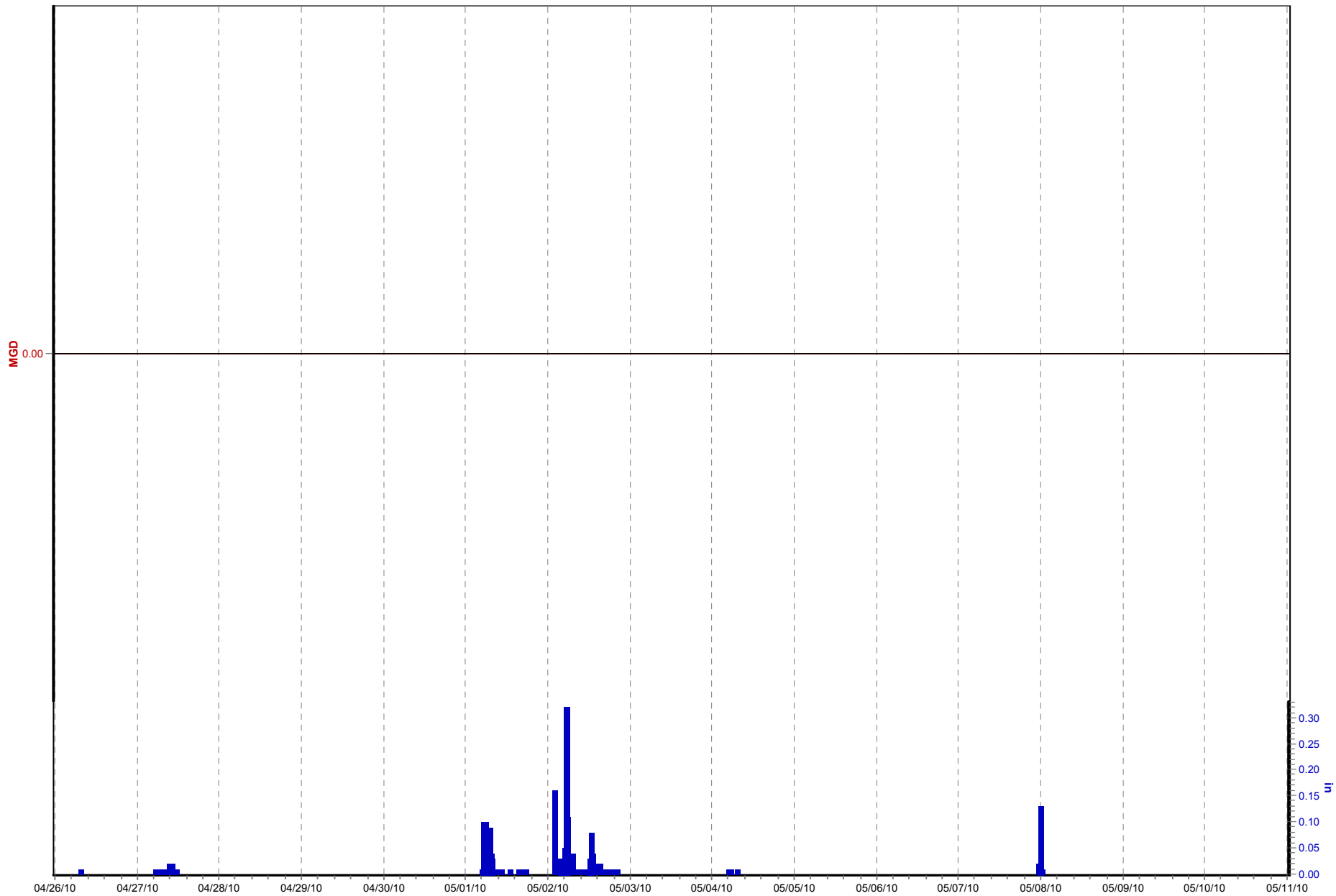
CSO210_Historical Data (04/26/10 to 05/11/10)

Flow (MGD) TR04_Historical Data.Rain (in)



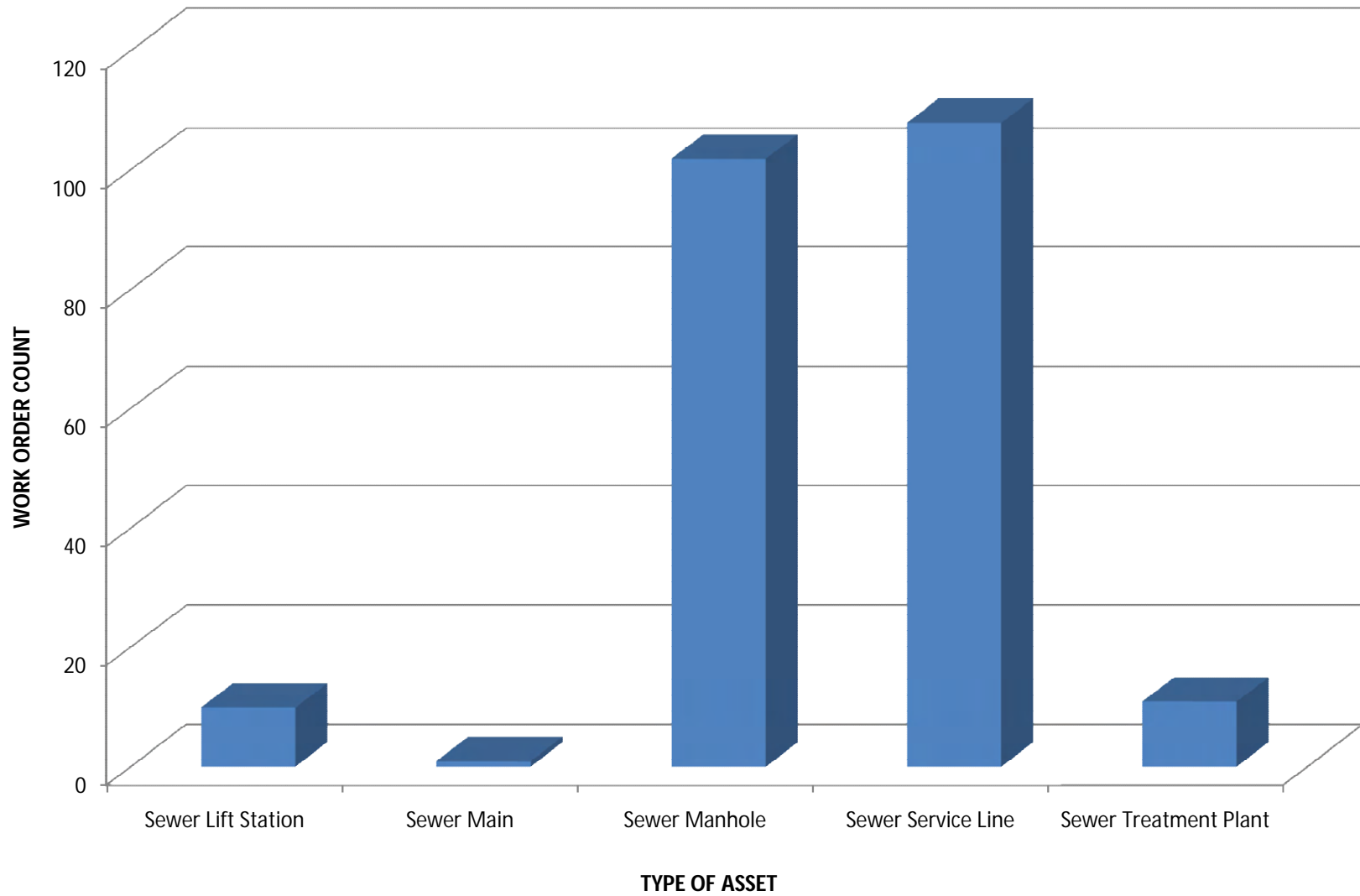
CSO211_Historical Data (04/26/10 to 05/11/10)

CSO211 (MGD) TR04_Historical Data.Rain (in)

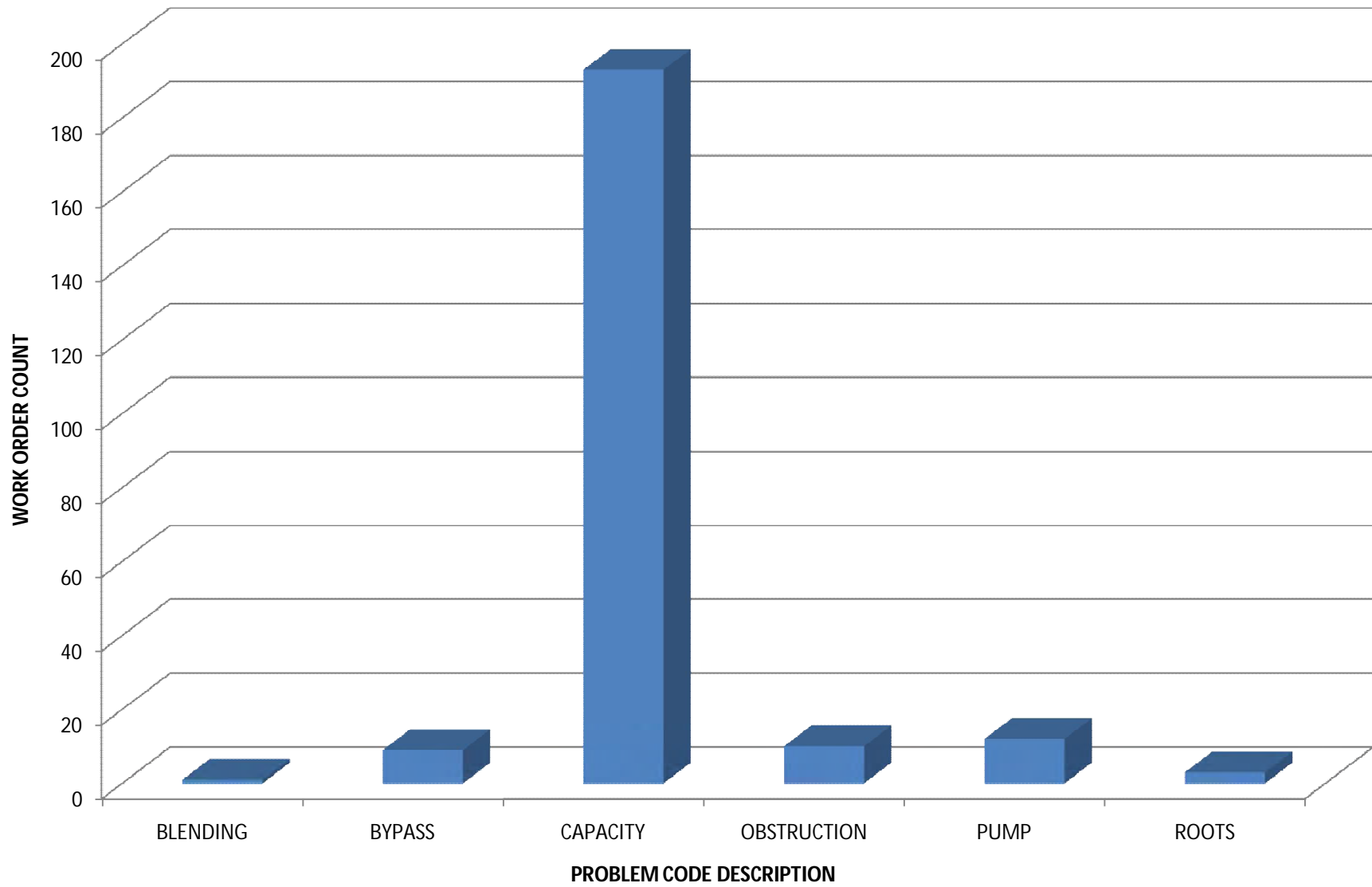


Attachment F
Discharge Work Order Charts

COUNT OF DISCHARGE WORK ORDERS BY ASSET MAY 1, 2010 - MAY 4, 2010



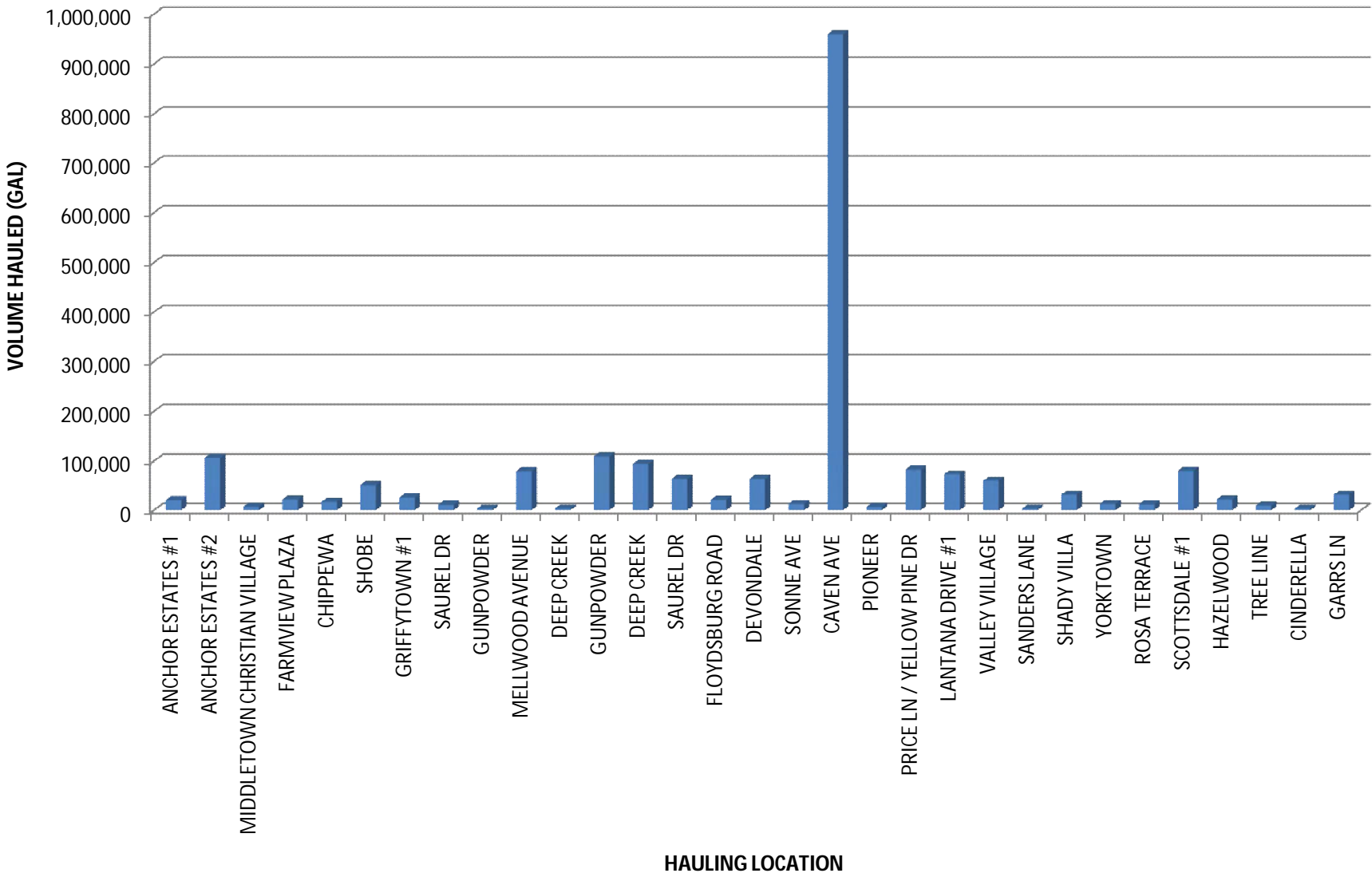
COUNT OF DISCHARGE WORK ORDERS BY PROBLEM MAY 1, 2010 - MAY 4, 2010



Attachment G
Hauling Volume Chart by Location

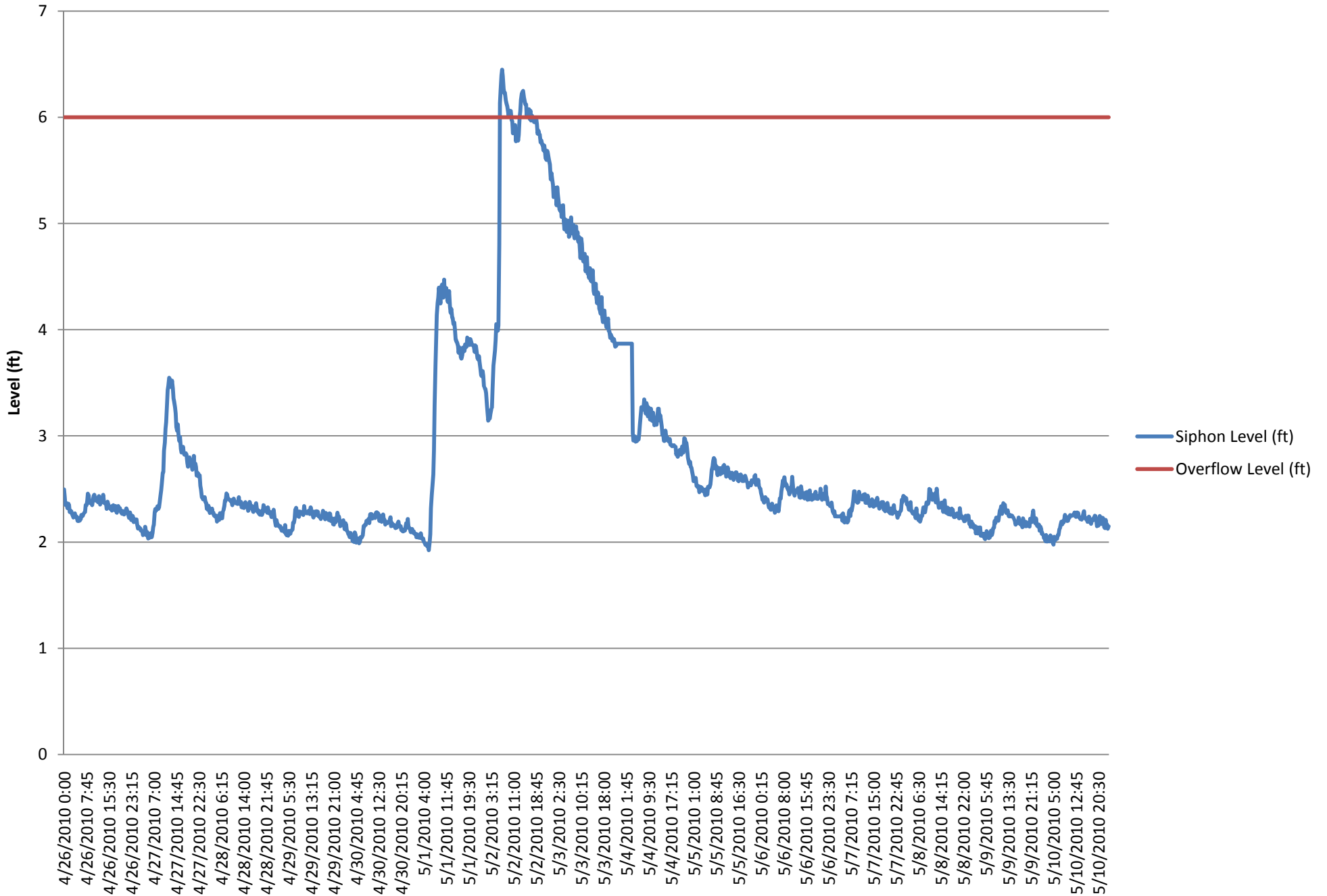
HAUL OPERATIONS BY LOCATION

MAY 1, 2010 - MAY 4, 2010



Attachment H
Graph of J-Town Siphon Level

Jeffersontown Siphon Box Level 4/26/2010 - 5/11/2010





APPENDIX K - 1 2009-2010 Louisville Metro Health Dept. Asthma Program Accomplishments



2009-2010 Louisville Metro Health Department Asthma Program Accomplishments

This year we continued to work to enroll children and their families in our asthma outreach program, in addition to developing other asthma education programs for the community.

An asthma counselor was hired in September, 2009 and partnered with two local federal qualified health centers to initiate a referral program for asthmatic children and their families. 15 clients have been contacted. Six home visits have been made by our department, including home visits by our asthma outreach worker, and visits for environmental concerns made by the Public Health and Wellness Environmental Division. Client issues identified included weather-related asthma triggers, smoking in the home, and parents needing assistance to pay for their children's asthma medication. We have recently met with Kosair Children's Hospital asthma education staff and University of Louisville Family Practice Division to attempt to increase the number of clients being referred. Other outreach efforts by our asthma outreach worker included attending 4 health fairs, wherein information was provided to persons with questions about asthma and our program.

We have partnered with University of Louisville School of Public Health and Jefferson County Public School system to develop plans to screen schoolchildren attending fifth grade for all 16 grade schools in the designated region for symptoms of asthma. This will commence in the fall of 2010 and will provide our department with an accurate evaluation of the burden of asthma in the community we wish to assist. We are working with Dr. Ruth Carrico from the School of Public Health, who has experience in conducting asthma screening of Louisville schoolchildren in the past, and has worked to develop a screening form for children which is recommended by the Kentucky State Asthma Coalition. We will utilize this data to work with providers and schools to better serve these children's needs.

We will also partner with Dr. Carrico to provide a school walk-through program for schools in the designated area during the current school year. This will be modeled on a Minnesota State Health Department program, wherein health department environmental personnel conduct an evaluation of each school's grounds, with recommendations for cheap or free methods of improving the school environment for asthmatics. Our health department staff will conduct the walk-throughs together with School of Public Health staff.

We are meeting with the Louisville YMCA, the University of Louisville School of Medicine, and the Jefferson County Public School system to develop an asthma education program for schoolchildren with asthma. We will model this program on a successful program developed and used in other cities, and will pilot with two schools in the designated region. Children who are identified to have active problems with asthma will attend weekly education sessions for approximately 10 weeks. The sessions will start with classroom-setting education on specific aspects of asthma such as correct use of medications and avoiding environmental triggers. This will be followed by activity and entertainment provided by the YMCA, including access to a local

YMCA swimming pool. Students from the University of Louisville School of Medicine will volunteer time to educate the students and supervise their activities in conjunction with YMCA staff. We envision working with 20 to 30 grade school students initially, and would like to expand the program over time to other schools within the region. We anticipate that these students will also become clients in our asthma outreach program.

Please feel free to contact me with any questions.

A handwritten signature in black ink that reads "Matt Zahn". The signature is written in a cursive, slightly slanted style.

Matt Zahn, MD
Medical Director
Louisville Metro Department of Public Health and Wellness
502-574-6570
Matt.zahn@louisvilleky.gov



APPENDIX K - 2 Stuart Middle School Environmental Science Teacher Report



Let me know if I missed anything.

Thanks,

Johnny Brinkworth
Stuart Middle School Environmental Science Teacher

5/18/2009

Stuart Middle School Final SEP Outdoor Classroom Report
Native Garden for Stuart Middle School Environmental Club

Ms. Croce helped our club develop a plan for Jefferson County Public School approval. We made out a preliminary budget and once we received approval we immediately nailed down the black plastic and killed some of the grass.

The students made up a plant list for professional review. (See attached Dropseed invoice for specifics.) They researched height, color, sun/shade requirements. We contacted Dropseed Native Plant Nursery and worked with the owner to get a discount. Ms. Croce gave us a presentation on the benefits of native plants and what kind of insects depend on the plants for survival.

One of the difficulties we encountered was finding volunteers who had garden equipment to help prepare the site. Mr. Brinkworth ended up borrowing the equipment and tilling the garden. One of the parents donated the compost and mulch.

The most fun happened on the day we planted. Several teachers and parents showed up. The Environmental Club members explained the plan and laid out the plants according to the design. It took about 3 hours to plant everything.

60 students from the 6th to 8th grades, use the garden for learning about botany, ecology, soil testing, composting.

Re: Stuart Middle School Garden Outdoor Classroom SEP
Date: March 24, 2009

Phyllis,

Thank you so much for taking time to meet with us today. I am really excited about getting started on the garden project. Please review this preliminary proposal.

Here is what we discussed:

1. Spread and secure black plastic (20' x 4') for eliminating weeds
 - Stake off garden site
2. Develop base map by pulling distance and direction from landmarks on building. (At that point you will help draw up presentation garden plan for review by Bill Fegenbush (JCPS Maintenance) and Principal
3. Start seeds with class compost
4. Generate a list of possible native plants to use in garden. Have students research and create labels.
 - Some preliminary suggestions;
 - River oats
 - Sun flowers
 - Compass plant
 - Prairie Rose
 - Lobelia
 - Columbine
 - Common milkweed/Butterfly milkweed
 - Mist flower
 - Prairie Dropseed
5. Develop a long-term plan for improvement and maintenance
6. Research possibilities
 - soil treatments
 - shady vs. sunny growth
 - weeded beds vs. unweeded beds
 - competition studies
 - soil macroinvertebrate sampling

We agree that it is best to start on the inside of the small courtyard.



Stuart Middle School Environmental Club



Ashley plants her favorite plant -- a great blue lobelia

MP = More Research
T = Typar

Total 689

	# Species	Types
3T	✓ IIII	fox glove
3T	✓ IIII	Columbine
	✓ II	Compus Plant
	✓ III	Trill dropseed
3T	✓ III	Fox & edge
	✓ IIII	Swamp rose
	✓ IIII	Ashley sunflower
	✓ IIII	Cardinal flower
3 in T	✓ III	be balm
MP at	✓ IIII	Mystery
3T MP	✓ IIII	Monkey flower
	✓ I	Big blue stem
4T	✓ IIII	Yellow cone flower
3T	✓ III	Denesse
2T	✓ II	side oats grandma
	✓ III	Eastern gamma grass
	✓ IIII III	Illinois bunchie flower

Research form documenting plants



1205 S. Buckeye Lane
 Goshen, KY
 502-439-9033
margaret@dropseednursery.com

Plants for Stuart Middle School

Bill to:

Phyllis Croce
 MSD
 700 West Liberty Street
 Louisville, KY 40203-1911

Invoice Date:

5/18/2009

		\$ per plant	Number	Total
<i>Andropogon gerardii</i>	Big Bluestem	6	1	\$6.00
<i>Aquilegia canadensis</i>	Columbine	6	5	\$30.00
<i>Asclepias tuberosa</i>	Butterfly Milkweed	6	5	\$30.00
<i>Bouteloua curtipendula</i>	Side Oats Grama	6	2	\$12.00
<i>Carex vulpinoidea</i>	Fox Sedge	6	3	\$18.00
<i>Desmanthus illinoensis</i>	Illinois bundleflower	6	9	\$54.00
<i>Helianthus mollis</i>	Ashy Sunflower	6	5	\$30.00
<i>Liatris spicata</i>	Spiked blazing star	6	3	\$18.00
<i>Lobelia cardinalis</i>	Cardinal Flower	6	5	\$30.00
<i>Ludwigia alternifolia</i>	Rattlebox	6	6	\$36.00
<i>Mimulus elatus</i>	Monkeyflower	6	5	\$30.00
<i>Monarda fistulosa</i>	Bee Balm	6	3	\$18.00
<i>Penstemon digitalis</i>	Foxglove Beardtongue	6	5	\$30.00
<i>Ratibida pinnata</i>	Gray-headed coneflower	6	5	\$30.00
<i>Rosa palustris</i>	Swamp Rose	6	5	\$30.00
<i>Silphium laciniatum</i>	Compassplant	6	2	\$12.00
<i>Sporobolus heterolepis</i>	Prairie Dropseed	6	3	\$18.00
<i>Tripsacum dactyloides</i>	Eastern Gamma Grass	8	3	\$24.00
	Total Due Now		68	\$456.00



APPENDIX K - 3 Portland Elementary School Outdoor Classroom Final Report



Final Report for Portland Elementary EPA/SEP August 2010

Detailed Description of SEP

Portland Elementary is an urban school located on one block in a neighborhood where many families live at or near the poverty level. As a newly created Magnet for Environmental Studies, we are working to change the way we teach children. Teachers will use the outdoors to increase student learning. Our green space is very limited; there are pockets of land around the perimeter of the school and in the corners. Through community and school meetings led by a design team from the University of Louisville, plans were drawn to turn these pockets of land into native habitats. As a Title 1 School, there is little money for field trips. With an outdoor classroom, students will become engaged daily with mini fieldtrips in their school environment. This will develop a deep understanding of the natural world and how it relates to them.

We have completed the shade and water garden part of our outdoor classroom. This includes planting native deciduous trees, berry bushes, along with ferns, hostas, lilies, irises, ect. Students will build a variety of nest boxes and feeders to attract a variety of birds. The water feature involves a spring running into a short stream bed and flowing into a pond. Providing these necessary elements for organisms' survival will invite wildlife into our schoolyard to investigate. Students will research what grows in a shade and water environment to select native plants appropriate for survival there. All areas of the curriculum will be used in the shade and water environment. Investigations are limitless. This project will help attract and grow a diverse array of organisms that will enhance students' learning experiences. Ten minute field trips to the outdoor classroom have been designed for teachers to use as

extensions and support to existing curriculum. Biodiversity will be an important part of our outdoor investigations showing interrelationships and interdependence of different species of plants and animals.

This project is being led by the Environmental Coordinator of Portland Elementary School. The coordinator is collaborating with environmental science leaders in the community and nationally to develop a curriculum that integrates all subjects into the outdoor classroom. These lessons will become a national model to be field tested at Portland and used with the FOSS Science Modules implemented in JCPS and throughout the US.

Operating Problems

Portland has encountered scheduling problems with Jefferson County Public Schools in getting this part of the outdoor classroom implemented. It was scheduled to have the blacktop in this part of the schoolyard removed, to begin work on the pond, in late spring and early summer 2010. Because of the size of JCPS and the many projects they are working on, delays occurred which put our project off schedule. We had to work quickly at the last minute to complete this project on time. The Environmental Coordinator contacted MSD's Landscape Restoration Specialist who then contracted with Branching Streams LLC. to get project installed in time for the start of school.

Itemized Costs

See appendix

Certification

See appendix

Benefits

- 1) Learning core content through hands-on experiences and building an appreciation for nature.
- 2) Experience biodiversity in the shaded/pond habitat with native plants. There isn't a pond environment in the immediate area for students to investigate. This will bring additional species into the schoolyard that are lacking due to survival needs. Students will observe species they have never seen before. What a strong impact on learning this will make.
- 3) Understanding the importance of community service. Students will be actively involved in planting and maintaining the schoolyard and will continue into the neighborhood to make a positive impact there.
- 4) Promote positive behavior. When students are regularly exposed to nature, they will experience a healing effect - emotionally and physically.
- 5) Healthier lifestyle. Once students have more positive experiences outdoors, they will want to spend more time there instead of watching tv.
- 6) Increased parent and neighborhood involvement at school. This project will provide an opportunity to include parents and neighbors in the process of planting around the pond and other areas of the schoolyard. This will provide ownership and will increase our PTA membership which is very limited.
- 7) Improved retention of material and test scores. When students are learning in a natural environment instead of just reading about science, information is more fully understood. Students will feel more successful and their grades will improve. By the end of this school year approximately 300 students and staff will experience outdoor learning through these new outdoor areas.

JOB INVOICE

Branding Streams
417-8826

8/13/10

TO Phyllis Croce / Land. Rest. Specialist
 ADDRESS for
Outdoor classroom SEP
 ATTENTION Portland Elementary

DATE ORDERED	ORDER TAKEN BY
PHONE NO.	CUSTOMER ORDER #
JOB LOCATION	
JOB PHONE	STARTING DATE
TERMS	

QTY.	MATERIAL	UNIT	AMOUNT
505	1/2" Liner, mesh, underlay		909
	Pump		300
304	2" Flex pipe	3.18	95 40
5	Rolls Corrugated	58.30	291 50
	Pump Vault + 2 extenders		360 40
	Plumbing + Misc		1000
			2956 30

DESCRIPTION OF WORK	
Stream w/ waterfalls @ Portland Elementary	

MISCELLANEOUS CHARGES	
Stone Delivery	120

LABOR	HRS.	RATE	AMOUNT

WORK ORDERED BY _____
 DATE ORDERED _____
 DATE COMPLETED _____

TOTAL LABOR	3442
TOTAL MATERIALS	2956 30
TOTAL MISCELLANEOUS	120
SUBTOTAL	
TAX	
GRAND TOTAL	6518 30

CUSTOMER APPROVAL SIGNATURE Phyllis Croce 8/16/2010
 AUTHORIZED SIGNATURE _____



APPENDIX K – 4 Approval of MSD’s SEPs as submitted July 23, 2009



STEVEN L. BESHEAR
GOVERNOR



LEONARD K. PETERS
SECRETARY

ENERGY AND ENVIRONMENT CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF ENFORCEMENT
300 FAIR OAKS LANE
FRANKFORT KENTUCKY 40601
www.kentuckv.gov

CERTIFIED MAIL 7008 2810 0000 4316 4350
RETURNED RECEIPT REQUESTED

H.J. Schardein, Jr.
Executive Director
Louisville and Jefferson County Metropolitan Sewer District (MSD)
700 West Liberty Street
Louisville, Kentucky 40203

Re: Approval of MSD's Supplemental Environmental Projects,
submitted pursuant to Consent Decree Number: 3:05CV-236-S

Dear Mr. Schardein:

The Kentucky Department for Environmental Protection (KDEP) and the United States Environmental Protection Agency (EPA) have reviewed MSD's proposal for Supplemental Environmental Projects dated May 14, 2009, and the subsequent re-submittal dated July 23, 2009. The proposal was submitted pursuant to paragraph 34 and Exhibit H of the Amended Consent Decree. Based upon the review of this information, KDEP and EPA hereby approve the proposal and incorporate these requirements into the Amended Consent Decree as an enforceable requirement.

If there are any questions, you may contact Mr. Gary Levy of KDEP at (502) 564-3410, or you may contact Mr. Sean Ireland of EPA at (404) 562-9776.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Cummins".

Jeff Cummins, Acting Director
Division of Enforcement
KY Department for Environmental Protection

A handwritten signature in black ink, appearing to read "Douglas F. Mundrick".

Douglas F. Mundrick, P.E., Chief
Clean Water Enforcement Branch
Water Protection Division
EPA Region 4

APPENDIX L – FLEET MANAGEMENT PERFORMANCE MEASURES



DATE: July 21, 2010
TO: File
FROM: Carl Sandler, Fleet Services Manager
SUBJECT: Performance Measurements w/FASTER

This memorandum addresses the foundation, criteria and processes that will enable MSD Fleet Services to establish and measure Key Performance Indicators (KPI's) associated with maintenance activities performed on fleet vehicles and equipment. For each KPI, reference is made to the capability of the Fleet Management Information System, FASTER Asset Solutions Version 5.69, which has been acquired by MSD and is currently in the implementation stage.

FLEET AVAILABILITY: DOWNTIME

Previous documents have stated fleet availability as being one of the underlying themes of the CMOM and NMC programs. Two key measurements in any fleet environment relate to fleet availability. One measurement is fleet availability itself (or its reciprocal, fleet downtime). Fleet availability is usually expressed as the percentage of time a particular vehicle class is available. Typical Performance Measurements of this element might be based on a benchmark where a certain class of vehicles is expected to have 90% availability on a daily basis.

This method for capturing vehicle availability is computed by the fleet management information system for each unique class of vehicles. Here is an example of how this would work for a class of equipment with 15 pieces in it and the equipment is typically needed from 7:30 AM to 6:00 PM four days a week. The equipment could possibly be available each week for 630 hours (15 pieces of equipment for 10.5 hours per day for four days). One piece of equipment goes down at 2:15 one afternoon and is returned to service by 7:30 the next morning. Another piece of equipment goes in for its scheduled preventive maintenance one evening at 6:30 PM. A problem is found that requires the replacement of a non-stocked part. The piece of equipment is returned to service by 7:30 the next Monday morning. The first piece of equipment clocked 3¾ hours of downtime (2:15 PM until 6:00 PM). The second piece of equipment clocked 10½ hours of downtime as it was not available for service on the day after it went in for its PM and the following days were the weekend. In total, 14.25 hours of downtime were clocked. Equipment availability for this class of equipment calculates to 97.7 percent [1.00-(14.25/630)].

FASTER includes the following report for this KPI:

Report Name: *Downtime - Detail Report*

Report Number: (3309/4309)

Purpose

Shows detailed downtime records by various sort options. Downtime is the time the vehicle is unavailable during the specified date range, based on the EAC (Equipment Availability) code.

Use this report to:

- Determine possible ways to schedule work to decrease downtime and to identify potential problems.
- Indicate shop efficiency improvements by showing decreasing downtime.
- Provide statistics on equipment availability for department.
- Identify equipment to work on during the hours they are not available, thereby decreasing total downtime.

Provides

Downtime details including Equipment number, EAC Code, Work Order number, downtime start date and time, downtime status, and downtime/non-downtime/undefined hours.

FLEET AVAILABILITY: TURNAROUND TIME

Section 8 of the EPA Region 4 Guide to Collection and Transmission System Management, Operation, and Maintenance Programs, states that performance measures for the fleet maintenance program will consider turn-around time. This second key measure of fleet availability is typically expressed as the percentage of work orders (repairs) that are completed within a specified period, such as 24 or 48 hours. Industry standard benchmarks for this measurement can approach 90% for certain classes of equipment that provide mission essential services. Like downtime, the calculation of turnaround time is triggered by the time when a work order is opened.

FASTER includes the following report for this KPI:

Report Name: *Average Work Order Completion Time*

Report Number: (3327/4327)

Purpose

A snapshot of the average time it takes to complete work orders.

Use this report to:

- Monitor shop efficiency.
- Show improvement in shop efficiency.

Provides

- Count of closed work orders and average work order completion time in hours by month for the 365 days prior to the date the report is run.
- A line chart of average completion time in hours by month.

PREVENTIVE MAINTENANCE PROGRAM

Preventive Maintenance (PM) is the very foundation of a good fleet maintenance program. PM should be proactively managed by the fleet organization. The fleet management information system needs to be able to predict the need for PM based on passage of time and utilization, whichever is reached first. The system needs to be able to measure utilization in terms of mileage, hours, or gasoline consumption. The system should be able to notify both the fleet operation and the vehicle user a few weeks before the PM threshold is expected to be reached so that a mutually convenient appointment for the PM can be arranged at about the time the PM actually becomes due.

One key metric for this element is the measurement of PM compliance. It indicates the completion of PM services within some reasonable number of days of when the vehicle is due for service. The date due for service should be determined by the computer based on the criteria triggering PM scheduling.

The typical criterion for PM compliance is to complete more than 95 percent of PM tasks within 20-business days before or after the scheduled date.

FASTER includes the following reports for these KPI's:

Report Name: *Preventative Maintenance Completion Information*

Report Number: (3122/4122)

Purpose

A complete listing of PM completion information for PMs due during the specified date range and the specified variances.

Use this report to:

- Evaluate the PM program effectiveness.
- Track improvements in the PM program.

Provides

- Equipment number, PM type and cycle length, Work Order number, Due At, Done At, and meter/fuel/day differences.
- By major grouping, the report provides a count of equipment, number of PMs due, PMs completed early, PMs completed on time, PMs completed late, PMs past due (due but not completed within the time frame specified by the report), and both max and average differences by meter, date or fuel PM cycles.

- Completion amounts and percentages are provided both by actual due and by due with variances.

This revised report is a combination of the 0122 PM Compliance and 0127 PM Completion reports.

Report Name: *Preventative Maintenance Due*

Report Number: (3103/4103)

Purpose

Provides a comprehensive list of all PM's due within a specified date range and percent of current meter or fuel quantity.

It can be used to:

- Provide a PM service list to departments or agencies.
- Review upcoming services for shop floor scheduling.
- Check for units that have missed or overdue PM's.
- Get a print out of the equipment scheduled for PM's for use with the PM Posting applet. Run the report with the same date range and percentage used for posting PM's, then compare with the PM posting list.

Provides

- Basic equipment information.
- PM type, cycle, cycle length, and next due.
- The last column displays "***" if the PM is overdue.
- An option to view all PM's or just the highest PM in the hierarchy.

PM EFFECTIVENESS

This element is measured by comparing the percent of scheduled work orders against total work orders. The overall objective of preventative maintenance is to perform needed services and to replace worn parts before they cause a breakdown. Therefore, the PM effectiveness is a measure of how successful the PM items are in preventing the occurrence of unscheduled work. Therefore, a reasonable objective is that from 50% to 70% of the total work orders should originate from scheduled work.

FASTER includes the following reports for these KPI's:

Report Name: *Fleet Work Order Activity*

Report Number: (3307/4307)

Purpose

This summary report shows basic work order information including total dollars.

Use this report to:

- Do a comparative analysis of reasons for repair.
- Compare number of PM's to other repairs.
- Do a cost analysis of dollars spent or charges.

- Compare distribution of work order times for completion.

Provides

- Total hours open and total dollars for each work order.
- Summary count of work orders for each repair type reason.
- Summary count of work orders by hours open for 0-24 hours, 24-48 hours, 48-72 hours, 72-96 hours, and over 96 hours.
- Dollar summaries for report for Non-Stock Parts, Stock Parts, Labor, Sublets, Credits, Miscellaneous Costs, and Total Dollars.

Report Name: *Scheduled vs. Non-Scheduled Repairs*

Report Number: (3326/4326)

Purpose

Provides a snapshot of the number of scheduled versus non-scheduled and target versus non-target repairs.

Use the report to:

- View improvement in increasing the percentage of scheduled repairs performed.
- Show cost savings from performing more scheduled repairs.
- Determine the ratio of target to non-target repairs.

Provides

A bar chart showing the number of scheduled, non-scheduled, scheduled, target, and scheduled, non-target repairs.

PARTS PROCUREMENT, SUPPLY, AND MANAGEMENT

The acquisition, management, and provision of replacement parts to maintenance technicians are key ingredients of the fleet maintenance process. The essence of the parts procurement and supply process is to get the best possible replacement parts in the hands of the technician as quickly as possible and at the lowest possible cost. This process directly impacts technician productivity and efficiency (vehicle economy); maintenance effectiveness or quality (vehicle safety and reliability); and maintenance turn-around time (vehicle availability).

Industry benchmarks relating to parts acquisition and supply are commonly found in the following ranges:

Demand satisfaction (fill rate) > 70%

Parts availability within 24 hrs > 90%, 48 hrs - 7%, over 48 hrs - 3%

Parts stock usage rate (turnover ratio) 0-1 year (>90%), 1-2 yrs (5%), 2-3 years (4%) & 3-7 years (1%)

FASTER includes the following reports for these KPI's:

Report Name: *Parts Issued- Detail Report*

Report Number: (3201/4201)

Purpose

The report shows transaction details of part issues and returns within a specified date range. It displays part returns as separate records showing the unit cost as negative numbers.

Use this report to:

- Review parts issued by storeroom personnel for a selected period.
- Compare issues by storerooms.
- Check that parts were issued to correct work order.
- View parts used on a particular vehicle type to determine which parts to remove from the storeroom when that type of vehicle is no longer part of the fleet.
- View parts used on a vehicle type for preparing Parts Lists.
- Check part issue repair codes for accuracy.

Provides

- Work order information, part information, issue or posted date, repair type, quantity issued, costs and return information.
- Part returns display as separate records showing quantity, unit cost and total cost as negative numbers.
- Date, quantity, and costs for returned parts display in red.
- Summaries by grouping are the net of issues minus returns.

Report Name: *Parts Received- Detail Report*

Report Number: (3204/4204)

Purpose

A detailed list of parts received for the specified date range.

Use this report to:

- Provide vendor verification for payment.
- List all parts received for a specific date range.
- Verify invoice information.
- Provide a checklist for vendor verification for payment.
- Provide a checklist that technicians are notified of part receipt.
- Provide a check of end-of-period statements.

Provides

- Receipt details including invoice, part number, storeroom, and description, received by, receipt or posting date, receipt costs and PO and account information.
- Summaries for total quantity and total cost received by invoice • number, major grouping and the report.

Report Name: *Parts Inventory Turns Report*

Report Number: (3229/4229)

Purpose

This summary report displays inventory average inventory turns for stocked parts by major grouping.

Use this report to:

- Provide an overview of the part room efficiency.
- Identify parts needing a higher in-stock quantity (high number of turns).
- Identify parts needing a lower in-stock quantity (low number of turns).

Provides

- Summaries of quantity issued, total cost of issues, quantity in stock, stocked parts value, and number of turns by major sort option.
- Inventory turns is calculated by comparing the total cost of issues over the year specified to the total current value of stocked parts.
- Evaluates only stocked parts in “A” status.
- Double-click the group code to view turns information for individual parts within a group.
- Double-click the part number to view specific issues for a part.

EMPLOYEE PERFORMANCE MANAGEMENT

The management of employee performance is another key ingredient of the fleet maintenance process. Ensuring technicians are working in a productive manner directly impacts efficiency, maintenance effectiveness and maintenance turn-around time. Industry benchmarks relating to this element vary based upon specific circumstances, however FASTER provides a number of reports to measure elements in this category.

An example includes the following report for this KPI:

Report Name: *Technician Accountability – Detail Report*

Report Number: (3301/4301)

Purpose

Provides a detailed list of labor transactions for the specified date range.

Use this report to:

- Check accuracy of mechanic log on – log off information for any period of time.
- Compare direct to indirect hours for any period of time.
- Monitor repair code usage.
- Review hours logged onto specific repair codes by technician ID.
- Audit hours logged on versus number of hours available for technician / shop.

Provides

- Direct and indirect labor hours, split into regular hours and overtime hours and total labor costs by technician and shop.
- Total number of pieces of equipment worked on and total number of work orders.
- Option to view totals by shop or technician ID.
- The date range specified selects all labor and indirect labor records with an ending date within the date range.

SUMMARY

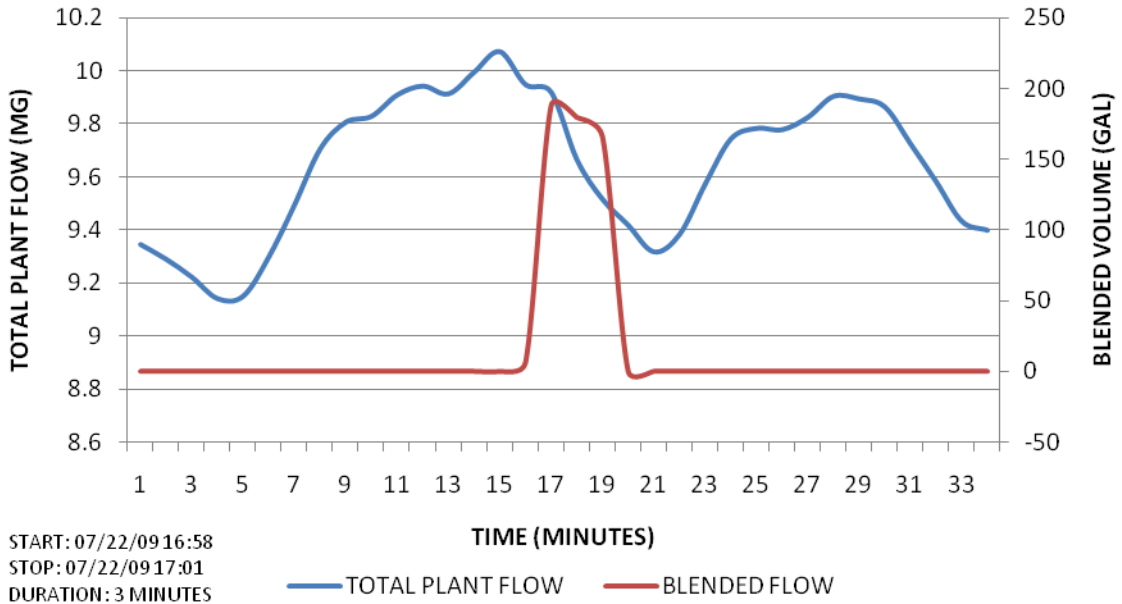
In general, many fleet performance elements can be selected to be measured, evaluated and acted upon. It is typically the discretion of the Fleet Manager as to which metrics best enable the actions of monitoring and improving the provision of fleet maintenance activities. With MSD's implementation of the chosen Fleet Management Information System, FASTER Asset Solutions Version 5.69, the capability presently exists for generating over 130 pre-configured reports. Additional functionality can be derived with the ability to customize and/or create new reports, which will permit the measurement and evaluation of any conceivable Performance Indicator.

cc. James Hunt, Physical Assets Director

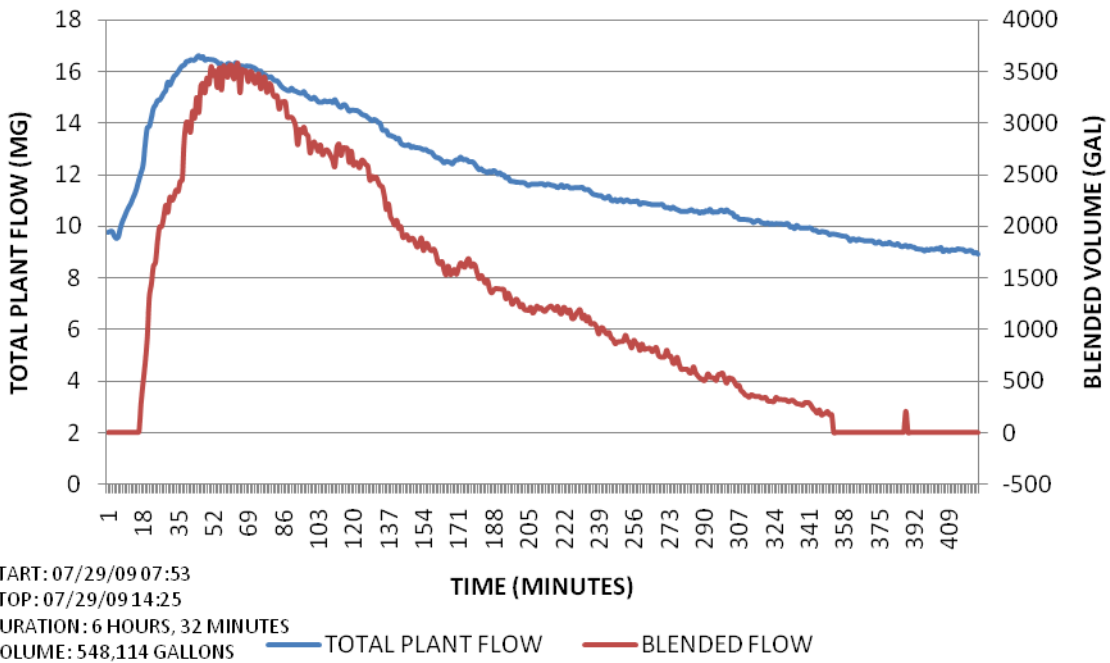
Angela Akridge, Project WIN Program Manager

APPENDIX M – JEFFERSONTOWN WQTC BLENDING EVENT CHARTS

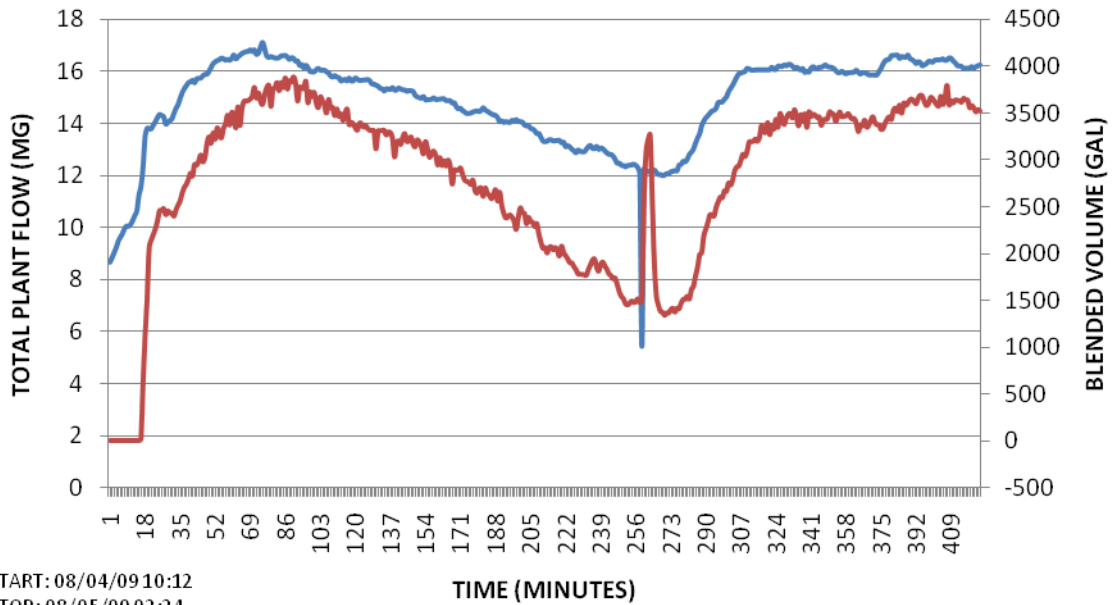
JEFFERSONTOWN BLENDING Wednesday, July 22, 2009



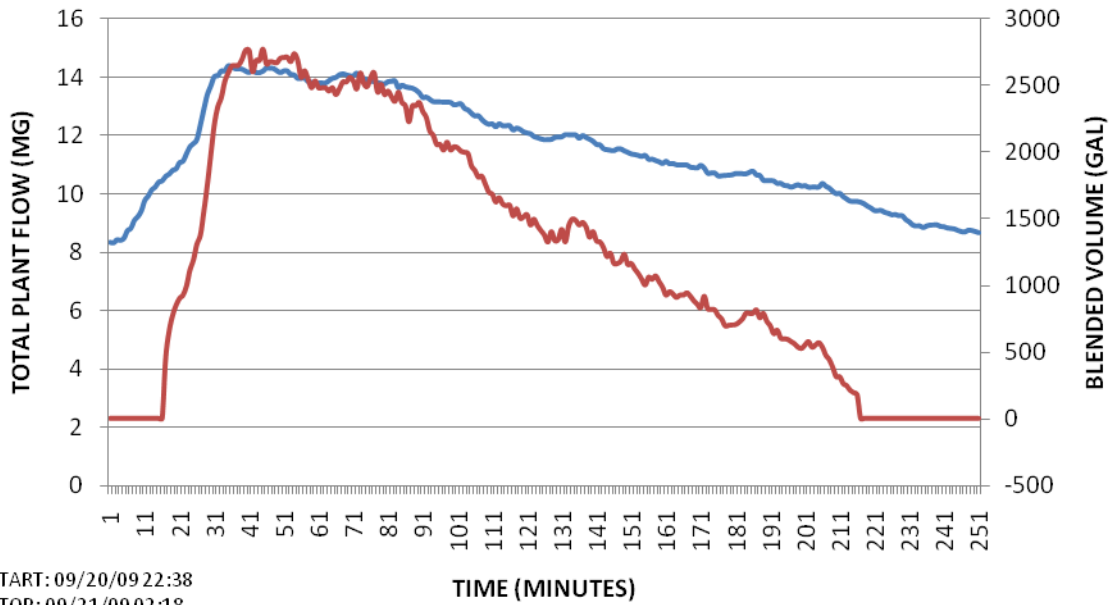
JEFFERSONTOWN BLENDING Wednesday July 29, 2009



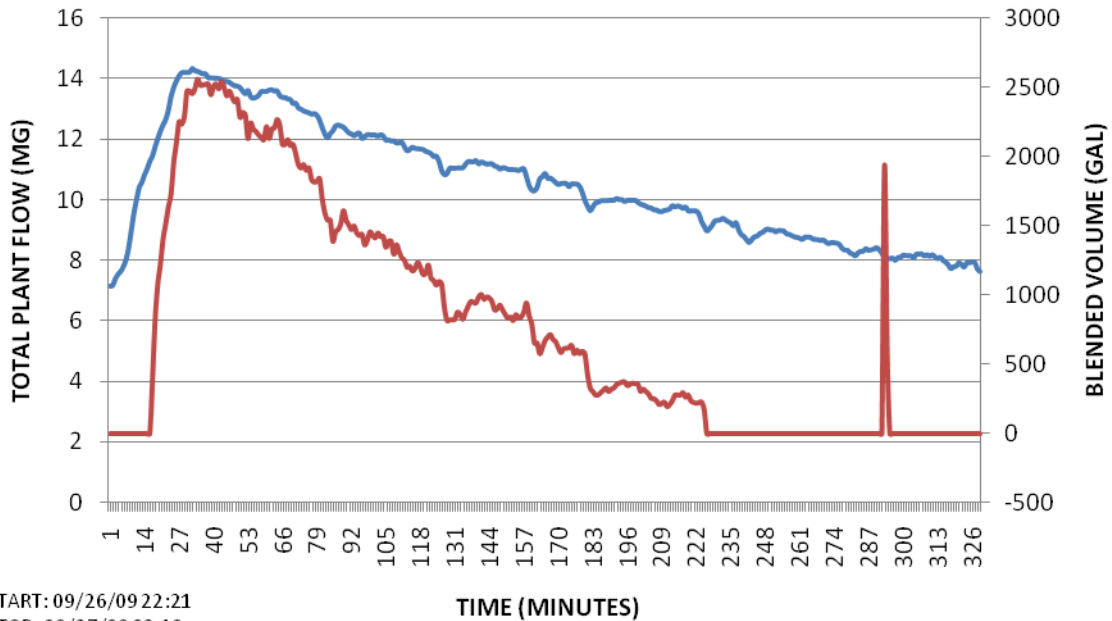
JEFFERSONTOWN BLENDING Tuesday August 04, 2009



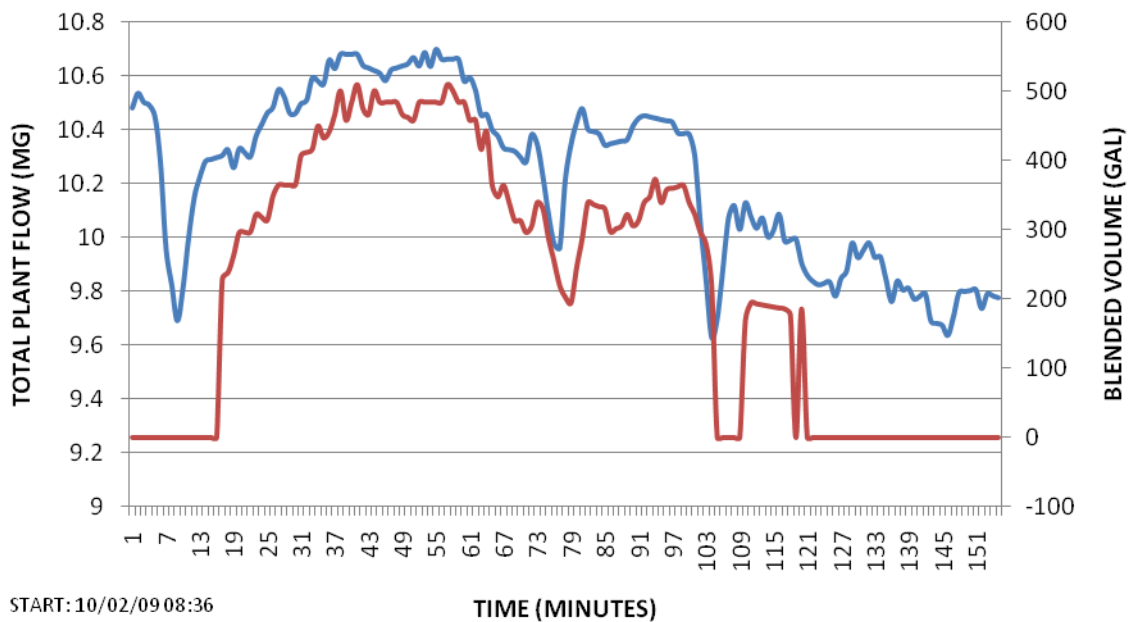
JEFFERSONTOWN BLENDING Sunday September 20, 2009



JEFFERSONTOWN BLENDING Saturday September 26, 2009

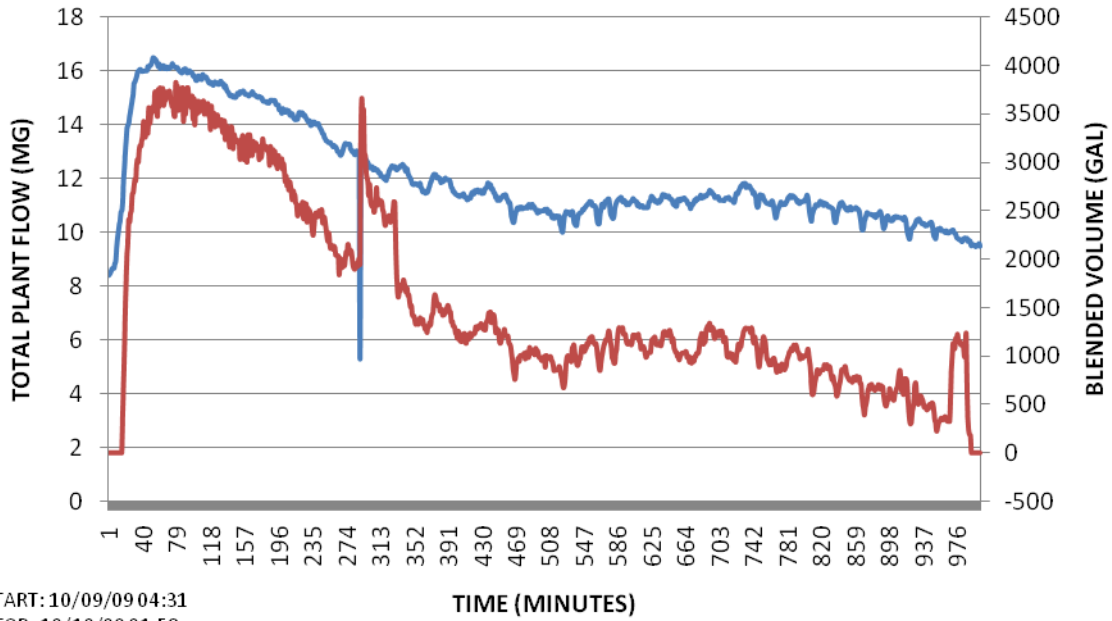


JEFFERSONTOWN BLENDING Friday October 02, 2009



JEFFERSONTOWN BLENDING

Friday October 09, 2009



START: 10/09/09 04:31

STOP: 10/10/09 01:58

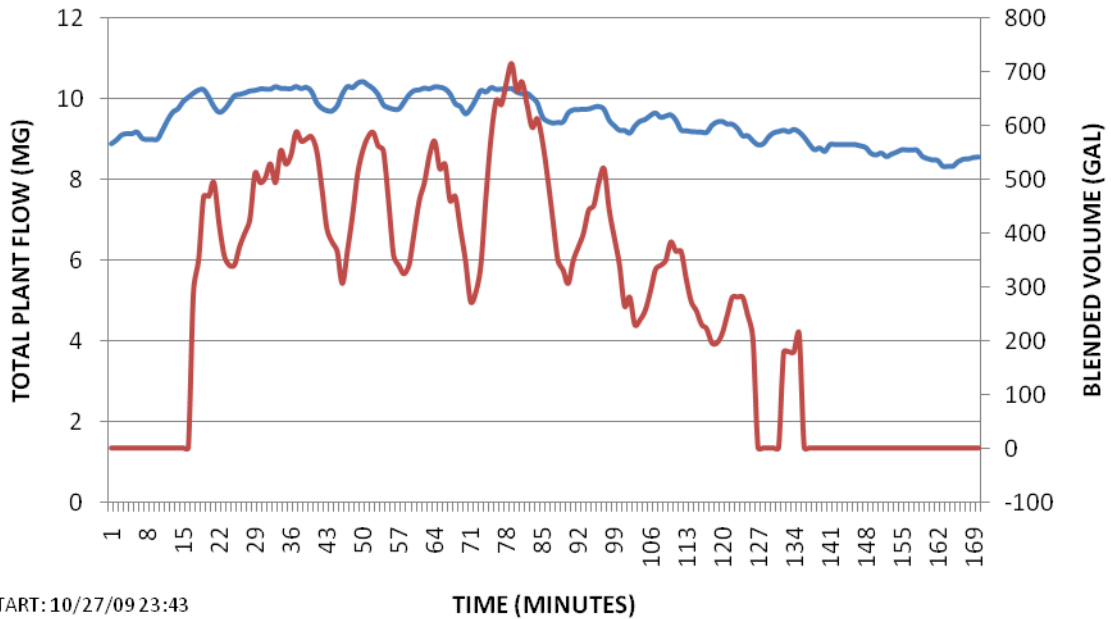
DURATION: 21 HOURS, 27 MINUTES

VOLUME: 1,650,306 GALLONS

— TOTAL PLANT FLOW

— BLENDED FLOW

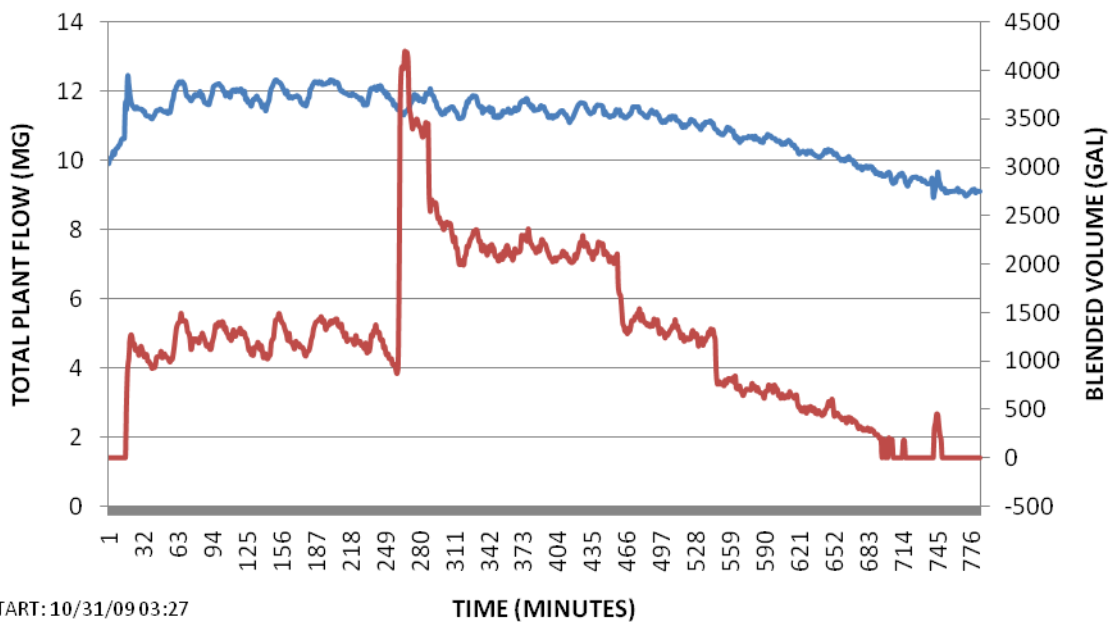
JEFFERSONTOWN BLENDING Tuesday, October 27, 2009



START: 10/27/09 23:43
 STOP: 10/28/09 02:02
 DURATION: 2 HOURS, 19 MINUTES
 VOLUME: 47,448 GALLONS

— TOTAL PLANT FLOW — BLENDED FLOW

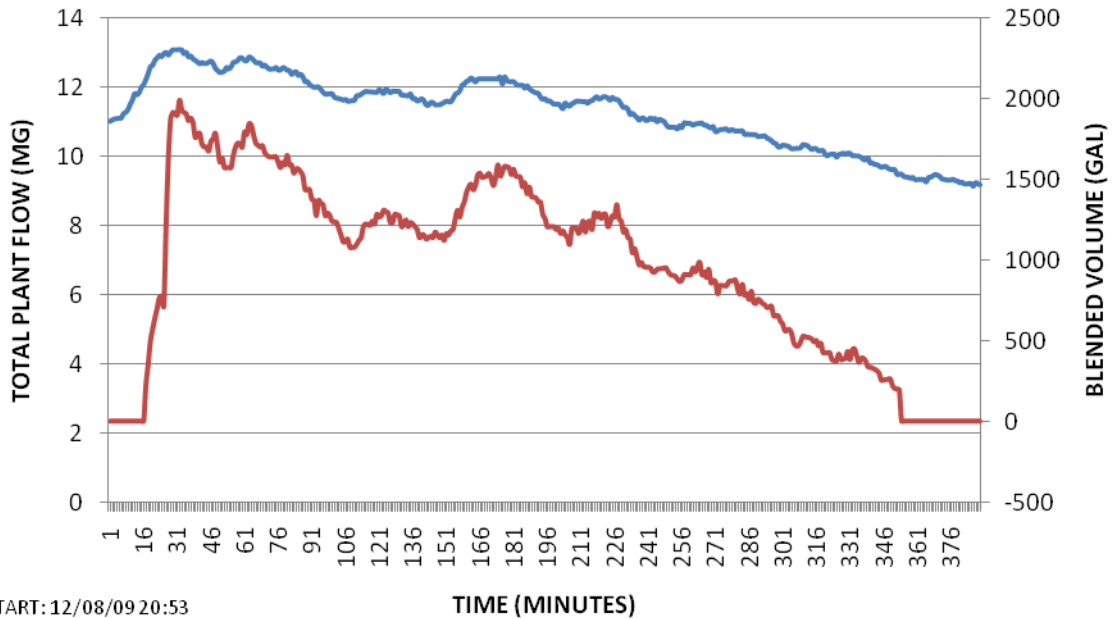
JEFFERSONTOWN BLENDING Saturday October 31, 2009



START: 10/31/09 03:27
 STOP: 10/31/09 16:00
 DURATION: 12 HOURS, 33 MINUTES
 VOLUME: 966,634 GALLONS

— TOTAL PLANT FLOW — BLENDED FLOW

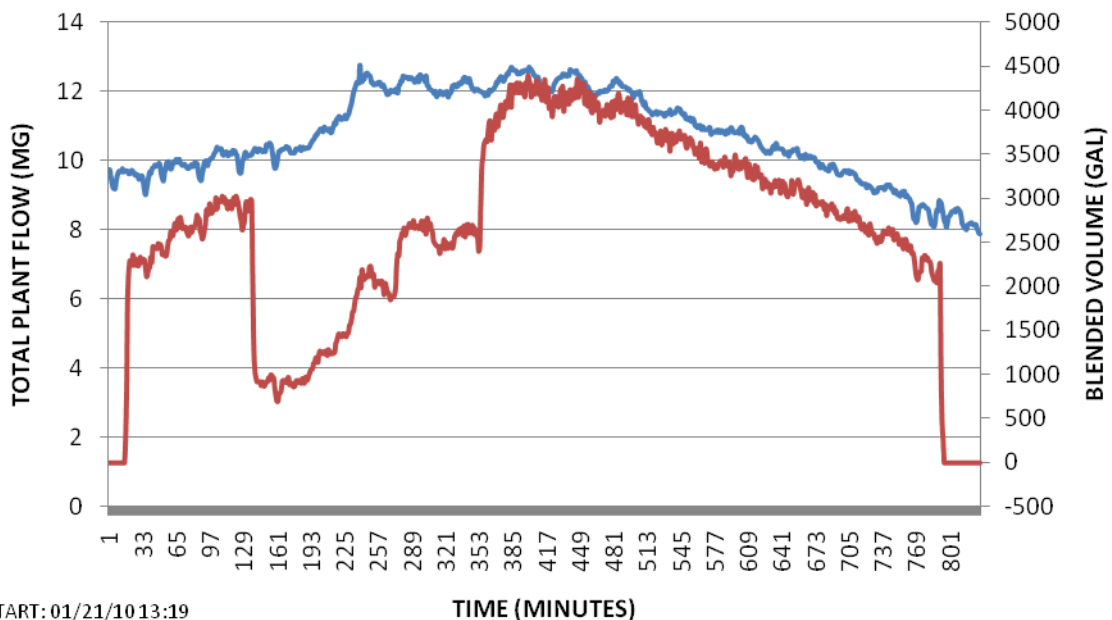
JEFFERSONTOWN BLENDING Tuesday December 08, 2009



START: 12/08/09 20:53
 STOP: 12/09/09 02:51
 DURATION: 5 HOURS, 58 MINUTES
 VOLUME: 378,642 GALLONS

— TOTAL PLANT FLOW — BLENDED FLOW

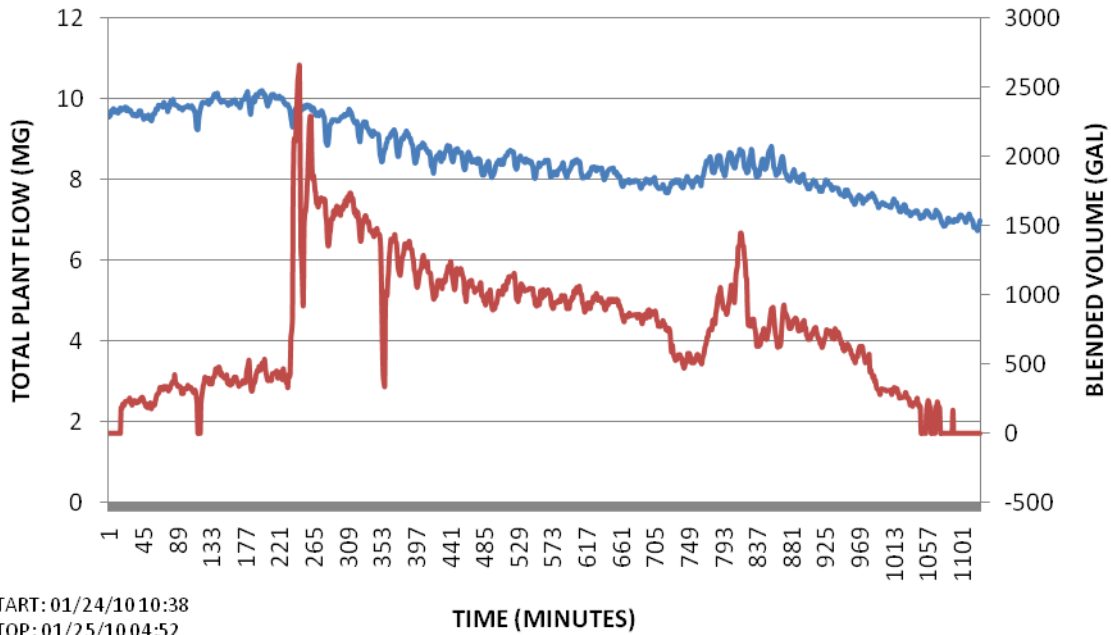
JEFFERSONTOWN BLENDING Thursday January 21, 2010



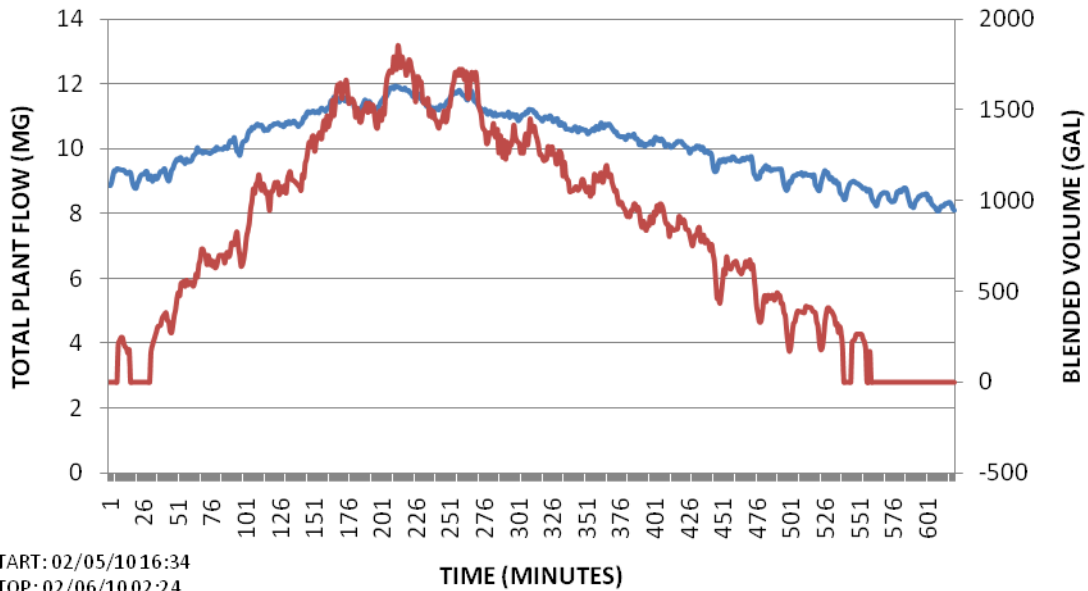
START: 01/21/10 13:19
 STOP: 01/22/10 02:38
 DURATION: 13 HOURS, 19 MINUTES
 VOLUME: 2,208,502 GALLONS

— TOTAL PLANT FLOW — BLENDED FLOW

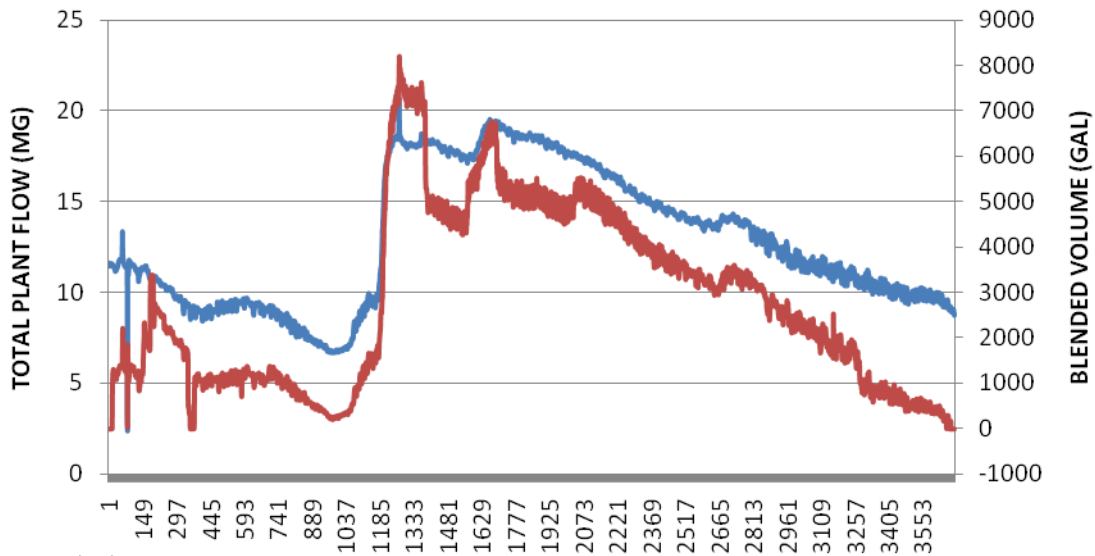
JEFFERSONTOWN BLENDING Sunday January 24, 2010



JEFFERSONTOWN BLENDING Friday February 05, 2010



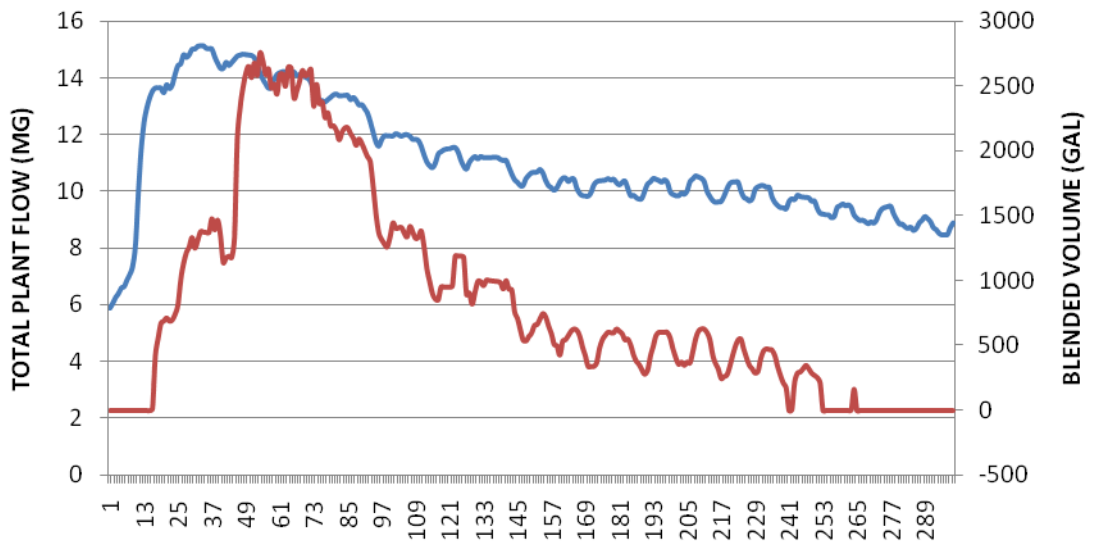
JEFFERSONTOWN BLENDING Saturday May 01, 2010



START: 05/01/10 10:21
 STOP: 05/03/10 23:23
 DURATION: 13 HOURS, 2 MINUTES
 VOLUME: 7,661,762 GALLONS

— TOTAL PLANT FLOW — BLENDED FLOW

JEFFERSONTOWN BLENDING Friday May 21, 2010



START: 05/21/10 21:40
 STOP: 05/22/10 02:08
 DURATION: 4 HOURS, 28 MINUTES
 VOLUME: 253,859 GALLONS

— TOTAL PLANT FLOW — BLENDED FLOW

JEFFERSONTOWN BLENDING Wednesday June 09, 2010

