

# Louisville and Jefferson County Wet Weather Consent Decree Quarterly Report #19



**Reporting Period:**

April 1, 2010 through June 30, 2010

**Submitted To:**

Kentucky Department of Environmental Protection

United States Environmental Protection Agency

United States Department of Justice

**Submitted By:**

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**Submittal Date:**

July 30, 2010



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Subject: Quarterly Report Number 19  
Civil Action No. 3:08-cv-00608-CRS

Attention Chief:

Please find attached our Quarterly Report, prepared in accordance with Paragraph 29 of our Amended Consent Decree. This report is for the period April 1, 2010 through June 30, 2010. This report provides an overview of significant program elements, issues, and accomplishments pertaining to Consent Decree compliance activities. Included are sections on Project WIN activities related to: NMC, SORP, Discharge Abatement Plans, Public Outreach, Education, Notification and Participation, Water Quality Treatment Centers, Performance Overview and CMOM.

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,

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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 nineteenth Quarterly Report submitted in accordance with Paragraph 29 of the Amended Consent Decree. This report covers the time period from April 1, 2010, 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 related to NMC that were active during the reporting period April 1, 2010, 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 September 30, 2010) 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 related to SORP that were active during the reporting period April 1, 2010, through June 30, 2010, and the anticipated activities that are scheduled to be performed during the next reporting period (July 1, 2010, through September 30, 2010) 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 related to DAP that were active during the reporting period April 1, 2010, 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 September 30, 2010) for continued compliance with the Amended Consent Decree.

**Section 4: Program Activities for Public Outreach, Education, Notification and Participation** This section describes the activities related to public outreach, education, notification and participation that were active during the reporting period April 1, 2010, through June 30, 2010, and the anticipated activities that are scheduled to be performed during the next reporting period (July 1, 2010, through September 30, 2010) for continued compliance with the Amended Consent Decree.

**Section 5: Capacity Management, Operations and Maintenance Report** - The CMOM program activities performed during the reporting period April 1, 2010, through June 30, 2010, and activities planned for the next reporting period (July 1, 2010, through September 30, 2010) 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 April 1, 2010, 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 September 30, 2010) for continued compliance with the Amended Consent Decree.

**Section 7: Performance Overview** - This section provides an accounting of the number of overflow occurrences, including unauthorized discharges, from the separate sanitary sewer and combined sewer system and the estimated volumes of each. A discussion of the probable reductions in both unauthorized discharge points and the discharges from MSD's Combined Sewer Overflow (CSO) locations, identified in the Morris Forman Water Quality Treatment Center (WQTC) Kentucky Pollutant Discharge Elimination System (KPDES) permit, that are expected to result from MSD's projects and activities during the reporting period are also contained in this section.



## SECTION 1: 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](http://www.msdlouky.org/projectwin). Highlights of the NMC program implementation over this reporting period are outlined below.

### 1.2 NMC 1: Proper Operation and Maintenance Programs

#### Program Metrics

- Inspected and cleaned 4793 catch basins within the combined sewer system (CSS) during this reporting period.
- Continued to conduct inspections of all 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 this quarter, 729 catch basins were inspected with 49 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 1288 weekly inspections on CSOs, 273 creek inspections, and initiated 194 work orders for debris removal and/or repairs as determined to be necessary to allow proper system operation during this reporting period.
- Flushed 46 sewer line segments in the CSS, ranging in size from 6 inches to 15 inches, and performed formula TV inspection on 66 lines, as part of the gravity sewer preventive maintenance program.
- Continued several projects to create improved access to some 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.



- Achieved the following program metrics:

| <u>Target</u>   | <u>Result</u>  |
|---|--|
| 95% of CSOs inspected weekly.   | 100% Compliance - All CSOs were inspected weekly.  |
| 95% of flap gates inspected weekly.   | 100% Compliance - 14 flapgates on CSOs were inspected weekly.  |
| 95% of siphons inspected monthly.   | 100% Compliance - 10 siphons were inspected weekly and 9 additional siphons were 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. | 100% Compliance - There were 193 DEBRIS work orders and 1 CSOMOD work order. All work orders were created and completed within the target range. |
| 95% of the catch basins within the CSSA cleaned every 15 months.  | 100% Compliance - Currently we are 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

- Continued to work on the re-aligning of the catch basin boundaries.
- Completed closure activities for CSO026 as outlined in a memorandum detailing quick closure opportunities in the Central Relief Drain area on June 16, 2010. No other CSOs have been prioritized for study as part of this memorandum.
- 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.

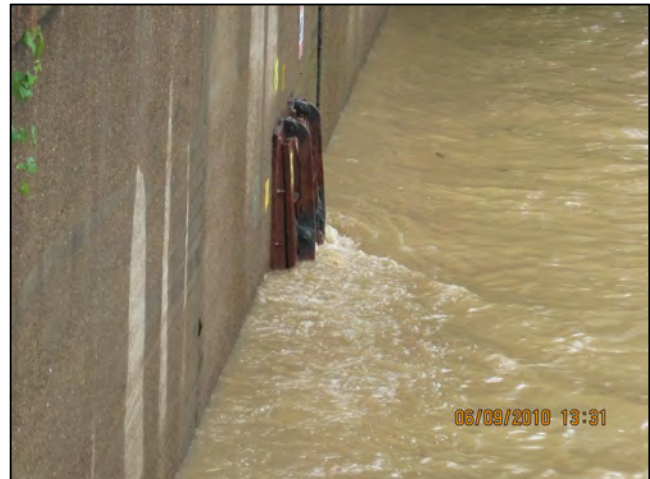
### 1.3 NMC 2: Maximization of Storage in the Collection System

#### Real Time Control Operation

- Continued operation of Phase I and Phase 2 of the Real Time Control system. During this reporting period, approximately 395 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 project:  
Web-Based Training – 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. Feedback from the beta group was incorporated into the training modules prior to June 30, 2010.

#### Storage Optimization

- Beargrass Creek Flap Gate Evaluation – A flexible flap gate will be installed at CSO146 prior to September 30, 2010.
- CSO210 Dam Modification – Completed the dam raise at CSO 210 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. Construction of this project will be completed prior to December 31, 2010.
- CSO210 and CSO016 Interconnection – Completed construction of an additional 24-inch low flow line, between CSO016 and CSO210, to expand the conveyance of flow and minimize the possibilities of an overflow on June 16, 2010.



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

- Finalized a memorandum outlining the review of industrial user sampling and modeling data for all 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.
- 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 this period, MSD sent email notices to NDDs 31 times prior to a rain event. There were 30 rain events during this quarter. 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 all Unusual Discharge Requests approved for discharge to the CSS. MSD re-issued 4 wastewater discharge permits in the CSS and issued 8 Unusual Discharge Requests in the CSS.
- 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.

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

- Continued operation of RTC Phase I and Phase II, which minimizes wet weather CSOs by providing an optimized method for delivering more consistent flows into Morris Forman WQTC during and after wet weather events. During this reporting period, approximately 395 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.
- Initiated 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. A kick-off meeting for the project was held on June 22, 2010.
- Initiated the Morris Forman WQTC Wet Weather SOP Enhancements Project. 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, 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 the reporting period.

#### 1.6 **NMC 5: Elimination of CSOs During Dry Weather**

##### 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. Beginning July 1, 2010, through September 30, 2010, meetings will be held with MSD staff to review the Operations and Maintenance Manual and start the update process.

- Pumped approximately 46,100 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 the reporting period.
- Initiated contract administration activities for the 27th Street and Shawnee Flood Pump Station (FPS) Dry Weather Overflow (DWO) Elimination projects. Prior to September 30, 2010, a notice-to-proceed will be issued to begin final design for both projects. All phases of these projects will be completed by June 30, 2013, in accordance with the IOAP schedule and the Amended Consent Decree.

#### 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 the reporting period. Prior to September 30, 2010, MSD will request the participation of LWC staff on a workgroup to review the SOPs.

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

#### Field Verification

- Continued to implement 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 a rain event compared to a standard for aesthetics. MSD captured a qualifying event on June 9, 2010. Findings and recommendations with the volume of floatables removed will be summarized in the FY10 Annual Report.
- Continued to review ground water concerns in the CDS unit at CSO108. The rehabilitation work completed to seal the unit from the ground water issues and reprogramming of the PLC that controls the pumping operations has resolved the dry



weather overflow issues to date. Planning continued for installation of two new hydrostatic level sensors to help with reliability with the operations. Staff will continue to review the site to monitor the ground water issues.

- 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. A report of the efficacy of the CDS unit was submitted to the Kentucky Nature Preserve prior to June 30, 2010. A copy of the report is provided in **Appendix J**.
- Received a scope of work for implementation of a sampling program for solids and floatables controls on June 14, 2010. Finalize scope and develop a work plan of MSD activities related to the sampling program prior to September 30, 2010.
- Continued to review new S&F technologies for potential incorporation into the program. MSD representatives will seek out additional technologies for S&F control at the Five Cities Plus Conference, and WEFTEC. Recommendations will be prepared by December 31, 2010.

Solids and Floatables Debris Removal

- Continued inspection and maintenance procedures for the solids and floatables structures as part of the weekly CSO inspections and PM cleaning routines, outlined under NMC #1. During this period, 176 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 time period April 1, 2010, through June 30, 2010, are shown in the table below:

| <b>Location</b>                 | <b>Amount of Debris Removed</b> |
|---------------------------------|---------------------------------|
| Catch Basin and Sewer cleaning  | 1614 CY                         |
| S&F Controls and Sneads Branch  | 11 CY                           |
| Headworks of Morris Forman WQTC | 1880 CY                         |
| Street Sweeping                 | 22 Tons                         |

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

- 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. Developed a tracking system for EPSC NOVs and Field Correction Notices within the CSS. From April 1, 2010, to June 30, 2010, 8 field correction notices and 7 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 the next reporting period. The Louisville Nature Center distributed 81 rain barrels from April 1, 2010, to June 30, 2010.
- 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.
- Continued preparation of Storm Water Pollution Prevention Plans (SWPPPs) to address the discharge of storm water pollutants from MSD WQTCs, wastewater pump stations, and other operating facilities, including the Morris Forman WQTC.



#### 1.9 NMC 8: Public Notification

- Reduced duplication by reporting all public notification information 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

- 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

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Real Time Control interface and model simulation. MSD also receives monthly, calibrated radar rainfall data for use in historical event analysis and modeling simulations. A website was developed that allows MSD staff to view and export rainfall data as well as USGS stream monitoring data.

- Initiated a work order for a post-construction sampling project around the 'Big Four' SSOs that are being mitigated. MSD is currently evaluating the rainfall tolerances and weather patterns for making decisions on event mobilization.
- Monitored all 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 quarterly discharge volume at these sites is generated using the sewer hydraulic model along with each quarter's radar rainfall data. Reporting on these two CSOs began on April 1, 2010.
- Identified monitoring locations and proposed equipment for CSS flow meters for use in improving CSS model calibration and green infrastructure assessment in areas that have poor calibration or will be targeted for intensive green infrastructure implementation. A board package for this equipment will be developed by September 30, 2010.
- 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 all sewer flow monitoring locations to notify staff of low batteries, unusual flow conditions, and possible dry weather discharges.



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## 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](http://www.msdlouky.org/projectwin). The following activities were performed during this reporting period.

### 2.2 Overflow Management and Field Documentation

- Continued to schedule additional field reviews of SORP procedures after rain events to both ensure successful implementation and to assist with the annual SORP overall review. A field review was conducted on June 9, 2010. (See **Appendix H** for a description of this review.)
- Monitored 11 locations and took preventive measures to reduce basement backups. Work orders are used to track these various activities. During this period, MSD Infrastructure & Flood Protection staff mobilized pumps on 6 different days.
- Continued daily, monthly and quarterly data reviews with staff from Metro Operations, Infrastructure & Flood Protection and Regulatory Services.
- Monitored approximately 139 sanitary sewer overflow (SSO) sites, which have been grouped into routes based on the range of rainfall rates necessary to cause a SSO. These routes are monitored during rain events depending on the magnitude and location of the storm. If an overflow is observed, a Discharge Work Order is created to document the event. During this quarter, Regulatory Services and Engineering staff documented 96 unauthorized discharges. Inspection routes were run during rain events on April 24, 2010, May 2, 2010, and May 21, 2010. During the next quarter routes will continue to be monitored as needed.
- Monitored over 300 sites via telemetry. There are approximately 20 sites where sewage is routinely hauled from pump stations to prevent overflows during rain events depending on the magnitude and location of the storm. Due to capacity issues during this reporting period, MSD Metro Operations staff hauled approximately 2,438,700 gallons of sewage.

### 2.3 Regulatory Reporting and Data Management

- Continued to improve the accessibility of data captured by the SCADA system for pump station and Real Time Control information. MSD continues to standardize various environmental data sets in preparation for integration with the SharePoint site.
- Performed the monthly review of discharge work orders. The associated assets in Hansen were updated to track any new overflow locations.

- Performed a detailed data review and trend analysis and incorporated this into the quarterly training sessions and documented the findings in Section 7 of this quarterly report.

**2.4 Staff Training and Communication**

- Reviewed and updated the training documentation in April 2010, for the second quarter training that focused on control zones, mitigation, and volume estimation.

| Division     | Date      | Number of Attendees |
|--------------|-----------|---------------------|
| Eng/Reg.Srvs | 6/10/2010 | 18                  |
| Eng/Reg.Srvs | 6/16/2010 | 44                  |
| IFP          | 6/04/2010 | 10                  |
| IFP          | 6/11/2010 | 22                  |
| Metro/MFWQTC | 5/05/2010 | 30                  |
| Metro/MFWQTC | 5/06/2010 | 27                  |
| Metro/MFWQTC | 5/19/2010 | 13                  |
| Metro/MFWQTC | 5/20/2010 | 11                  |
| Metro/MFWQTC | 5/26/2010 | 39                  |
| Metro/MFWQTC | 5/27/2010 | 29                  |

- 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.
- Continued to enhance the SORP Implementation Manual as new training modules were developed. The final draft of the enhanced document was ready for distribution to staff for comments on June 30, 2010. This manual will be placed on the SharePoint site to allow access by all staff when comments are incorporated.
- Commenced planning for the third quarter SORP training that will focus on setting up public notification, overflow cleanup and data review.
- Scheduled a SORP make-up class to be held on July 7, 2010, for staff that could not attend the second quarter training in May and June of 2010.

**2.5 Annual Program Review**

- Started the process to review the FY10 overflow data. Any new overflow locations will be incorporated into the existing routes.

- Start the annual review of the SORP manual in July 2010. Any changes will be sent to EPA/KDEP prior to August 22, 2010. It is not anticipated that major changes will be required.

## 2.6 Public Notification and Communication

- Reduced duplication by reporting all public notification information in **Section 4: Project WIN Program Activities for Public Outreach, Education, Notification and Participation.**

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## 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). 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](http://www.msdlouky.org/projectwin).

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

- Beechwood Village Sanitary Sewer Replacement East (Budget ID E07261) – This project was bid on January 7, 2009. As of June 30, 2010, the contractor has completed 303 of 303 (100%) of the house plumbing modifications. No internal plumbing changes were needed on 25 other 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 the period July 1, 2010 to September 30, 2010, 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 the period July 1, 2010 to September 30, 2010, MSD will continue the in-house plumbing modifications and the installation of the new property service connections. Work will begin to complete site restorations and final clean-up. This project will be completed by April 27, 2011, in accordance with the ISSDP schedule and the Amended Consent Decree.
- Southeast Interceptor Relief Sewer (Budget ID H08358) - Construction will be required for a new relief interceptor parallel to the Southeast Interceptor from the Southeast Diversion Structure to the Northern Ditch Interceptor. The project is being divided into two phases to expedite construction. The Interceptor phases I and II will consist of 7800 feet of 60-inch diameter sewer and 600 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 is 100% completed and easements secured. Phase I was advertised for bid on June 4, 2010. Phase II (lower section) is 95% complete on design and easement acquisition is in progress. During the period July 1, 2010, to September 30, 2010, Phase I bid opening is scheduled for July 13, 2010. Phase II is expected to be awarded in the first quarter of 2011. 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, or 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 will include the installation of a new interceptor parallel to the Northern Ditch drainage channel, allowing wet weather flow to be diverted from the Morris Forman WQTC service area (currently through the Northern Ditch Pump Station) to the Derek R. Guthrie WQTC. 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 feet of 84-inch diameter sewer and 102 feet of tunnel at the National Turnpike. Construction is in progress with 3,400 feet of the 84-inch diameter interceptor installed as of June 30, 2010. During the period July 1, 2010, to September 30, 2010, construction of the 84-inch diameter sewer and tunnel will continue. Scheduled construction completion of Phase I is December 7, 2010.

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.

Phase II starts at the upstream end of the tunnel and includes 4,770 feet 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 31, 2010. During the period July 1, 2010 to September 30, 2010, construction of the 84-inch diameter sewer will continue. Phase I & Phase II 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 to in the ISSDP. This project is being tracked as part of the Northern Ditch Diversion Interceptor project and should be complete by December 2011.

- 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 the period July 1, 2010, to September 30, 2010, MSD will be finalizing the contract documents for the Equalization Basin and completing the negotiation for the additional property needed for the Basin. 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**

MSD submitted for approval a Final Sanitary Sewer Discharge Plan (SSDP) on December 19, 2008, 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.

This section will report on the progress of the projects identified in the IOAP, Volume 3 – Final SSDP Projects. Refer to **Appendix A** for a chart showing the schedule of the activities described in this section. **All projects are now listed by Budget ID in the chart.** Note that the schedule in **Appendix A** shows completion dates that are earlier than 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 this reporting period or are planned activities for the next period.

**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. This project will be removed from the report in the next quarterly update.
- Little Cedar Creek Interceptor Improvements (Budget ID H09163) – The contractor has initiated all 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 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 the period July 1, 2010, to September 30, 2010, all 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

September 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 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) – The contractor has initiated all 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 667 manhole inspections, 22,015 linear feet of CCTV inspection, 20 private property inspections and 3 wet weather inspections. During the period July 1, 2010, to September 30, 2010, all 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 September 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 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 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, 2016, 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 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, 2024, in accordance with the IOAP schedule and the Amended Consent Decree.

### Floyds Fork Area

- Eden Care Pump Station SSO Investigations (Budget ID H09170) - A notice-to-proceed was issued on April 22, 2010. Field activities have begun to address observed high wet weather flows and existing SSOs in the project area. Field activities completed as of June 30, 2010, include: 448 linear feet of smoke testing, 26 manhole inspections, and three private property inspections. An open house public meeting was held on May 4, 2010. During the period July 1, 2010, to September 30, 2010, all 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 draft SSES report will be submitted to MSD by October 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.

- Woodland Hills Pump Station Diversion (Budget ID H09169) - This project consists 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 1, 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. In the next report this project will be removed.

### Jeffersontown Area

- Raintree and Marian Court Phase 1 - Pump Station Eliminations (Budget ID H09180) - Both these pump stations will be eliminated by a private development project. Design includes 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. Economic conditions have affected the schedule and the project is on hold. 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.
- Jeffersontown WQTC Elimination (Budget ID H07293) - 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 the period July 1, 2010 to September 30, 2010, negotiations are expected to be completed and design is expected to begin by December 31, 2010. 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 a Phase II Environmental Assessment has been completed. A notice-to-proceed was issued on March 10, 2010 and currently design is 30% complete. During the period July 1, 2010, to September 30, 2010, design will continue. The project design is scheduled to be completed by December 31, 2010, with project bidding in 2011. The project will be completed by December 31, 2013, in accordance with the IOAP schedule and the Amended Consent Decree.

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- Hurstbourne I&I Investigation and Rehabilitation (Budget ID H09219) - This project area is described in the Lower Middle Fork Interceptor ICA Phase 2 assessment report that was completed in April 2009. Review of the ICA data is complete 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, 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 the period July 1, 2010, to September 30, 2010, 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) – The planning for this project continues. 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 who is a heavy cleaning and root cutting resource. During the period July 1, 2010, to September 30, 2010, MSD will finalize work to be completed under an existing annual contract. Remaining work will be bid by September 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) - SSES planning was completed by June 30, 2010. During the period July 1, 2010, to September 30, 2010, 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 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 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 – This is a joint project 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 properties with septic tanks in the area. This project is in the easement acquisition stage. Since the last reporting period, Metro Public Works has delayed its construction schedule for the road project and the sewer construction has been put on hold. MSD will monitor Metro Public Works progress, and will self-perform this project if needed, to ensure all phases of the project are completed by December 31, 2022, in accordance with the IOAP schedule and the Amended Consent Decree.

- Government Center Pump Station Elimination (Budget ID H09194) – This project consists of diverting existing sanitary sewer flow from the Government Center Pump Station to an existing 15-inch diameter sanitary sewer line via gravity flow. Decommissioning of the existing pump station is also included in this project. In response to maintenance issues with the existing pump station this project has been accelerated to avoid the need for a significant rehabilitation of a pump station scheduled for elimination. Design started on August 15, 2009, and is at 100% design. During this quarter, MSD continued the easement acquisition phase. During the period July 1, 2010 to September 30, 2010, the project is expected to be advertised for construction pending completion of easement acquisition. All phases of the project are targeted to be completed well in advance of December 31, 2024, in accordance with the IOAP schedule and the Amended Consent Decree.
- Lantana Pump Station Investigation and Rehabilitation (Budget ID H09193) - This project will be completed under the Lea Ann Way SSES project (for details, see the Lea Ann Way System Improvements Project). To address observed high wet weather flows and existing SSOs in the project area, the Lantana Pump Station SSES scope was finalized to investigate this sub-basin in the Lea Ann Way Pump Station service area. The contractor has completed all field inspection activities. Field activities are 100% complete 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 the period July 1, 2010, to September 30, 2010, data delivery to MSD will be completed and the consultant will analyze the collected data to develop rehabilitation recommendations. A draft SSES report will be submitted to MSD by September 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 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) – This project will be completed with the Little Cedar Creek SSES project (for details, see the 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 for this project. All phases of the project will be completed by September 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.
- Lea Ann Way System Improvements (Budget ID C08433) - SSES planning for this area has been completed to address observed high wet weather flows and existing SSOs in the project area. The Lea Ann SSES project (Budget ID H09096) scope was finalized. Due to the large size of the area, over 680,000 linear feet, the SSES project has been divided into two areas, East and West.

Lea Ann Way West SSES - The contractor has initiated all 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 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 inspections. During the period July 1, 2010, to

September 30, 2010, all 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 draft SSES report will be submitted to MSD by September 30, 2010.

Lea Ann Way East SSES - The contractor has initiated all 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 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 the period July 1, 2010, to September 30, 2010, all 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 September 30, 2010.

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 accelerated from the schedule shown in the Final SSDP. The design is at the 100% phase and property acquisition is in progress. During the period July 1, 2010 to September 30, 2010, property acquisition is expected to be complete and, upon completion of acquisition, advertisement for construction will occur. 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 North Hunting Creek and Shadow Wood WQTCs, a River Road Interceptor (Budget ID D94210) to transport the North Hunting Creek 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.

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 has been 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 the period of July 1, 2010, and September 30, 2010, final design of the River Road Interceptor will continue and it is anticipated that 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) - SSES planning was completed by June 30, 2010. During the period July 1, 2010, to September 30, 2010, 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 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 June 30, 2011, 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. 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. Advertisement and bidding for construction is scheduled to occur by August 31, 2010. All phases of the project are targeted to be completed in advance of 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 project was bid on June 8, 2010, and was awarded for construction on June 28, 2010.

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During the period July 1, 2010, to September 30, 2010, 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) – The SSES contractor has initiated all 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. All smoke testing activities have been completed, totaling 144,478 linear feet. During the period July 1, 2010, to September 30, 2010, all 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 November 30, 2010. All phases of the project will be completed by December 31, 2011, in accordance with the IOAP schedule and the Amended Consent Decree.
- Camp Taylor #2 Sewer Replacement (Budget ID H09220) - The planning for this project continues. A portion of the condition assessment in this area was performed by the ICA (Interceptor Condition Assessment) Contractor. The ICA contractor completed all remaining field inspections and submitted a final report on January 18, 2010. Initial review of the data revealed approximately 1,800 linear feet of a section of 15-inch diameter sewer was in need of replacement. The remainder of the interceptor will be assessed with the Camp Taylor SSES project recommendations. During this reporting period, design was started in-house to complete this replacement project. An initial field survey and soundings were completed. Initial field information has discovered several utility conflicts with the proposed sewer relocation. During the period July 1, 2010, to September 30, 2010, design will be completed, the project will be advertised and construction activities will begin. All phases of the project will be completed by December 31, 2013, in accordance with the IOAP schedule and the Amended Consent Decree.
- Sonne Pump Station I&I Investigation and Rehabilitation (Budget ID H09187) – A notice-to-proceed was issued on May 14, 2010. Field activities have begun to address observed high wet weather flows and existing SSOs in the project area. 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. An open house public meeting was held on May 24, 2010. During the period July 1, 2010, to September 30, 2010, 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 draft SSES report will be submitted to MSD by September 30, 2010. 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) - A notice-to-proceed was issued on May 14, 2010. Field activities have begun to address observed high wet weather flows and existing SSOs in the project area. 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. An open house public meeting was held on May 24, 2010. During the period July 1, 2010, to September 30, 2010, all 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 draft SSES report will be submitted to MSD by September 30, 2010. 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) - A notice-to-proceed was issued on April 22, 2010. Field activities have begun to address observed high wet weather flows and existing SSOs in the project area. 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 the period July 1, 2010, to September 30, 2010, all 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 draft SSES report will be submitted to MSD by September 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) – SSES planning for this project has been completed and the project area and scope finalized for the Prospect SSES Project (H09391). The Riding Ridge Pump Station is in the North Hunting Creek WQTC service area in Prospect, Kentucky. 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). The contractor has initiated all 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 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 the period July 1, 2010, to September 30, 2010, 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 draft SSES report will be submitted to MSD by September 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](http://www.msdlouky.org/projectwin).

This plan includes an overview of the MSD program, efforts taken to reduce/eliminate discharges from the CSS and the list of proposed improvements to be accomplished by December 31, 2008. All projects associated with this plan have been completed.



### 3.3.2 Final CSO Long Term Control Plan

MSD submitted for approval the Final CSO LTCP on December 19, 2008, 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.

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

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

#### 3.3.2.1 Green Demonstration Projects

- MSD Main Office Parking Lot Bioswale (Budget ID H09424) – A sewer flow meter was installed downstream of the project area for 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 bio-swale/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 period July 1, 2010, to September 30, 2010, the site will be monitored to determine effectiveness of BMPs installed and MSD will determine whether additional BMPs are required or if the project can be certified complete. 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) – Preliminary design for this project initiated in January 2010. During this quarter, a site survey and soil borings were performed and analyzed. 50% design drawings were prepared and are under review. Sewer flow meters were installed downstream of the project area for pre-construction monitoring. During the period July 1, 2010, to September 30, 2010, design drawings will be finalized and the project will be bid for construction. 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) – Planning for this project is underway and design began prior to June 30, 2010. During this reporting period, sewer flow meters were installed downstream of the project area for pre-construction monitoring. Introductory meetings have been held with the Louisville Metro personnel to discuss green opportunities. During the period July 1, 2010 to September 30, 2010, final design 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.

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- Third and Ormsby Biofiltration Swales (Budget ID H09427) – Planning for this project was underway and the site has been determined to be unfavorable and an alternate site is being sought. Introductory meetings have been held with the Louisville Metro personnel to discuss green opportunities. During the period July 1, 2010 to September 30, 2010, a new site will be selected and final design and the bidding phase for construction of the project will be completed. 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) Place (Previously listed as Sixth and Muhammad Ali) (Budget ID H09428) – A revised concept plan was developed to install bioswale, pervious pavers, and re-route drainage in the parking lot. Concepts for installation of tree planters to collect storm water runoff from Broadway were also proposed. During the reporting period a Memorandum of Understanding (MOU) to allow MSD contractors to perform work on the General Services Administration (GSA) property was finalized. Topographic survey and geotechnical analysis was performed in the previous quarter. Sewer flow meters were installed downstream of the project area for pre-construction monitoring. During the period July 1, 2010, to September 30, 2010, final design 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.
  - Housing Authority Green Roof at 801 Vine Street (Formerly Sixth and Broadway Rain Garden) (Budget ID H09429) – During the reporting period, the Courier Journal declined participation with MSD on the green parking lot and rain garden. The project has been modified to demonstrate the effectiveness of a green roof at 801 Vine Street. Design has been completed, and a contract will be awarded prior to September 20, 2010. During the period July 1, 2010, to September 30, 2010, 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.
  - Seventeenth and W Hill Permeable Alley (Budget ID H09430) – Planning for this project was underway and the site has been determined to be unfavorable and an alternate site is being sought. Introductory meetings have been held with the Louisville Metro personnel to discuss green opportunities. During the period July 1, 2010 to September 30, 2010, a new site will be selected and final design and the bidding phase for construction of the project will be completed. 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.
  - Warren and Cliff Permeable Alley (Budget ID C10184) – 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. Construction is scheduled to be complete by July 30, 2010. Construction includes undercutting the alley, back filling with #3 stone, and installing paver blocks for the final surface restoration.

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- Forrest and Morgan Permeable Alley (Budget ID C09110) - 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, with completion scheduled for August 30, 2010. Construction includes undercutting the alley, back filling with #3 stone, and installing paver blocks for the final surface restoration.
  - Seventh and Market Permeable Alley (Budget ID H09431) – Planning for this project is underway. A high rise building is currently under construction at this location and the alley is being used for construction staging. This project will be delayed or another site selected. Introductory meetings have been held with the Louisville Metro personnel to discuss green opportunities. During the period July 1, 2010 to September 30, 2010, MSD will continue to monitor the progress of the building construction. If needed, a new site location will be selected and final design and the bidding phase for construction of the project will be completed. 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.
  - Campbell and Main Permeable Alley (Budget ID H09432) – The project was renamed the Billy Goat Strut Alley Project. The project was bid on June 30, 2010, and is scheduled to have all construction completed 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.
  - Fourth Street Green Street (Budget ID H09433) – Design was initiated prior to June 30, 2010. Monitoring equipment has been Board approved and a site analysis was initiated to determine the placement of flow meters for performance assessment of the installed green technologies. During the period July 1, 2010, to September 30, 2010, final design 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.
  - Two (2) Additional Rain Garden Projects (Budget ID H10039 and H10040) – Preliminary design of rain gardens for Christ the King Church and Clifton Triangle Area were initiated in March 2010. During this reporting period, meetings have been held with the property owners to discuss green opportunities. A geotechnical analysis and a topographic survey were completed by June 30, 2010. During the period July 1, 2010 to September 30, 2010, final design and the bidding phase for construction of the project 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) – Design will start by July 1, 2010, 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) - Design will start by July 1, 2010, 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) - Design will start by July 1, 2010, 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) - Design will start by July 1, 2010, 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) - Design will start by July 1, 2010, 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.

### 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. Completed the preliminary design study to evaluate available/alternative technologies and establish design protocols for the other 12 CSO basin designs. This study provided a design of the basin to a 30% stage. Alternatives for the basin site and the CSO interceptor alignment have been investigated. A draft report of the Phase I Environmental Site Assessment, historical and archaeological review, and permit requirements, have also been 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 the period July 1, 2010, to September 30, 2010, negotiations for final design service will be completed with a notice-to-proceed expected to be issued by September 30, 2010. 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) – 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 the period July 1, 2010, to September 30, 2010, construction will begin. 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) – 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 the period July 1, 2010, to September 30, 2010, 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) – Design negotiations have been finalized for a 10% design with an expected notice-to-proceed date of July 31, 2010. The 10% design will answer several questions to allow for a scope to be prepared for a final design. The expected completion of the 10% design is September 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.
- Paddy's Run Wet Weather Treatment Facility (Budget ID H09124) – 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 in order 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 the period July 1, 2010, to September 30, 2010, MSD expects to make a final selection for the plant site based on cost comparisons that include considerations for accessing the property. 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) – Design negotiations have been initiated for this project to reduce overflows from CSO172. During the period July 1, 2010, to September 30, 2010, it is anticipated that negotiations for 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 September 30, 2010. 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) – Design negotiations have been initiated for this project to reduce overflows from CSO020. Project includes a 0.13 MG storage basin. During the period July 1, 2010, to September 30, 2010, it is anticipated that negotiations for the 10% design will be completed and a notice-to-proceed initiated. The expected start of the 10% design is September 30, 2010. All phases of the project are scheduled to be complete by December 31, 2013, in accordance with the Amended Consent Decree.

### Flood Pump Station Projects

- 34th Street Flood Pump Station DWO Elimination (Budget ID H08478) - The project scope was amended to include electrical and controls modifications, and revised 80% drawings were received June 11, 2010. During the period July 1, 2010, to September 30, 2010, 95% and 100% final design documents will be received. Planning will also begin for advertisement of construction. 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) - The project scope was amended to add actuators for 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 the period July 1, 2010, to September 30, 2010, 100% final design documents will be received. Planning will also begin for advertisement and construction. 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) – The contract for final design services was awarded on January 25, 2010. During this reporting period, MSD completed the project planning phase and finalized the schedule to start final design. This project is being designed by the same engineering consultant working on the 4th and 34th Street Flood Pump Station DWO Elimination Projects mentioned above. The plan is to start this project's design phase once the previously mentioned project designs are completed. During the period July 1, 2010, to September 30, 2010, a notice-to-proceed will be issued to begin final design. 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) – The contract for final design services was awarded on January 25, 2010. During this reporting period, MSD completed the project planning phase and finalized the schedule to start final design. This project is being designed by the same engineering consultant working on the 4th and 34th Street Flood Pump Station DWO Elimination Projects mentioned above. The plan is to start this project's design phase once the previously mentioned project designs are completed. During the period July 1, 2010 to September 30, a notice-to-proceed will be issued to begin final design. 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 recent and upcoming activities 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 – Worked on the development of 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 should 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 September 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. The board package to acquire this additional equipment will be developed prior to September 30, 2010.
- 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. Recalibration will be completed and quality assurance started prior to September 30, 2010.
- 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 is currently being maintained and site notifications are being enhanced in MSD's Telog Enterprise system. Additional monitoring needs for inflow and infiltration reduction assessment have been identified and a board package to acquire this equipment will be developed prior to September 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 - Fish, macroinvertebrate and habitat surveys for the Long Term Monitoring Network were completed 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 the next year 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 programmatic development was underway during this reporting period.

- Continued the IOAP 2010 green infrastructure demonstration projects as described in the IOAP, with completion dates ranging from December 31, 2010, to December 31, 2011.
- Continued internal discussions on the development of the 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.
- Developed the plan for the green infrastructure effectiveness monitoring for the 19 demonstration projects. The preconstruction monitoring equipment 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.
- Continued meetings with internal staff to discuss partnership opportunities and potential green projects.
- Continued development of design guidance documents for green infrastructure including the MSD BMP manual, and a work plan to update appropriate MSD design documents.



- Continued 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.
- Continued 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.
- Awaited the results of the grant submittal for State of Kentucky funding of Green Infrastructure projects. Updates will be provided in future quarterly 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 plan to receive proposal prior to December 31, 2010.

**SECTION 4: Program Activities for Public Outreach, Education, Notification and Participation**

**4.1 Public Notification Program**

MSD produced and distributed a number of products aimed at notifying the community of the objectives of Project WIN and how to lessen the risks associated with coming into contact with sewage overflows. The following activities occurred within this reporting period or are scheduled to occur during the next reporting period.

**4.1.1 Overflow Advisory Signs**

- 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 all 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.

**4.1.2 Project WIN Website**

- 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](http://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



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

sewer overflows and make a positive impact on stream water quality during their daily activities. This page will be made available prior to September 30, 2010.

#### 4.1.3 Electronic Notifications

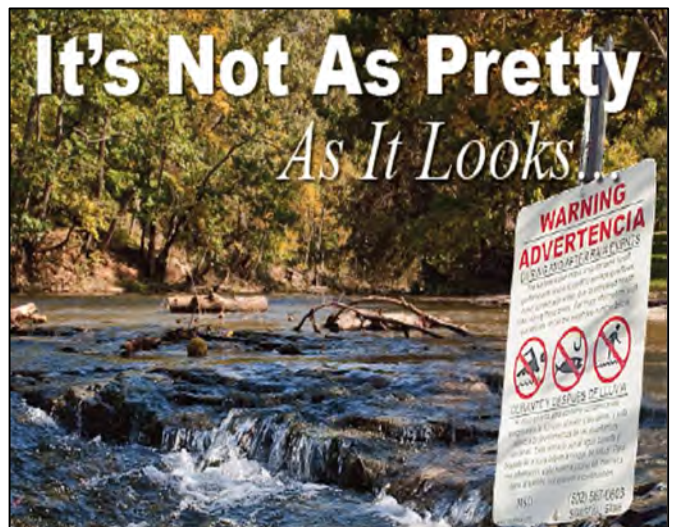
- Notified customers who voluntarily sign up to receive email alerts regarding sewer overflows.
- Provided notification on 1 Dry Weather Unauthorized Discharge of more than 1000 gallons. This event required additional notification due to the volume of dry weather overflow involved.
- Continued the process 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.



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

#### 4.1.4 Print Notifications

- Mailed 326 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 172 FOG residential public outreach letters to areas that had FOG issues during this reporting period.
- 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, 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.



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

A copy of the insert is provided in **Appendix I** Public Education and Outreach Materials.

- 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 is provided in **Appendix I** Public Education and Outreach Materials.

#### 4.2 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, storm water and flood protection. Efforts continued to utilize various media outlets, including television, radio, magazines, and newspapers to serve as a conduit for disseminating information to the public. The following activities occurred within this reporting period or are scheduled to occur.

##### 4.2.1 Radio and Television Activities

- Continued to run TV spots on WLKY TV. The spots during the reporting period were focused on flooding issues and water recreation. These ads ran 73 times from April 1, 2010, to June 30, 2010.
- 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 Amended Consent Decree and Project WIN. From April 1, 2010, to June 30, 2010, the video was shown 48 times.

##### 4.2.2 Printed Media Activities

- 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](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>
- Worked with the Courier Journal to run newspaper advertisements educating the public about overflows and pollutants in waterways. Messages are coordinated with



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

stakeholder priorities and seasonal information. Advertisements began running in the paper version of the Courier Journal on April 18, 2010. The messages included: Flooding, the FOG program, water safety, pet waste pickup, and conscientious use of washing machines and dishwashers during wet weather.

#### 4.2.3 Electronic Media Activities

- 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 quarter 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](http://www.courierjournal.com)
  - Moms Like Me: [www.louisville.momslikeme.com](http://www.louisville.momslikeme.com)
  - Louisville Metromix: [www.louisville.metromix.com](http://www.louisville.metromix.com)

#### 4.2.4 IOAP Project and Program Meetings

- There were no public IOAP meetings held during the reporting period.
- Provided information to the WWT through the Project WIN website, at [www.msdlouky.org/projectwin](http://www.msdlouky.org/projectwin).

### 4.3 Public Education Programs

- 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 is provided in **Appendix I** Public Education and Outreach Materials.
- 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 prior to September 30, 2010.

#### 4.3.1 Green Infrastructure Workshops and Activities

- Delivered presentation to the Iroquois Neighborhood Association on Urban Storm Water and Rain Gardens on April 20, 2010.
- Delivered 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 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 presentation to 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 prior to September 30, 2010.
- Continued 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 prior to September 30, 2010.



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

- Initiated planning on a rain garden workshop for the Clifton Triangle Neighborhood tentatively planned for October 2010.
- Continued planning of internal and external workshops explaining the Green Infrastructure Program.

#### **4.3.2 Clean Streams Workshops and Activities**

- Facilitated the Ohio River Sweep at the Louisville riverfront on June 19, 2010.

#### **4.3.3 Children’s Education Activities**

- Continued planning of the implementation of outdoor classrooms at the Floyds Fork WQTC.
- 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 4<sup>th</sup> and 5<sup>th</sup> 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.



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## **SECTION 5: Capacity Management Operations and Maintenance Report**

Per Paragraph 24.c of the Amended Consent Decree, the Capacity Management Operations and Maintenance (CMOM) Self Assessment Report was submitted to EPA and KDEP on February 10, 2006. MSD received a letter of approval on August 22, 2006. The approved CMOM document can be viewed on the MSD Project WIN website [www.msdlouky.org/projectwin](http://www.msdlouky.org/projectwin). Highlights of the CMOM program implementation over this reporting period are outlined below.

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

### **5.1 Management Programs**

#### **M-D-1 Utility Information Management Systems**

##### This Quarter

- Expanded performance measure tracking system on the PWIN Dashboard.
- Revised SharePoint project management sites in response to input from internal work group. Revising template to provide for automated updating of Project Controls System as new projects are developed. Increasing the interactivity with a variety of internal and external databases (easement tracking tool, external project fact sheets, SAP budget information).
- Initiated SharePoint training program for beta-test groups including several projects at various stages of project development. Beta-test groups include project managers, project team members, and project assistants. Feedback from beta testers is being used to refine the training approach, modify the site security protocols, and modify the standard site template.

##### Next Quarter

- Continue to expand the performance measure tracking system on the PWIN Dashboard.
- Complete revisions to the capital project site template and obtain sign-off from the internal work group.
- Migrate revised site template to production server and develop project sites for all IOAP projects that are active or planned for initiation during the reporting period.
- Roll-out revised Sharepoint training program for capital project teams, focusing on teams with active capital projects.
- Continue to support special requests for non-standard project site development.

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

##### This Quarter

- Held a press conference on April 19, 2010, to announce the new Sanitary Sewer Line Replacement Program.



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Next Quarter

- Continue implementing the program to finance replacement of private sewer service lines at property owner request.

**M-E-8 Continuing Sewer System Assessment**

This Quarter

- Developed draft assessment and prioritization guidance to facilitate development of cleaning and rehabilitation recommendations. The document outlines the decision making process for determining the actions – or lack of action – needed to properly maintain and operate individual sewer system assets, then re-assess those actions spatially and in the field to determine constructability. For inspected areas, bid quantities, drawings, SCAP credit projections and construction cost estimates for rehabilitation projects as well as cleaning activity recommendations are generated. Several areas in the Middle Fork Beargrass Creek watershed were used as pilot areas in developing these recommendations.
- Continued PACP sewer inspection to set baseline conditions for prioritization:
  - SSES contractors inspected 798,000 linear feet (151.14 miles) of sanitary sewers
  - ICA contractor inspected 10,400 linear feet (1.97 miles) of sanitary sewers
  - MSD crews inspected 97,500 linear feet (18.47 miles) of sanitary sewers
  - CCTV contractor inspected 650,000 linear feet (123.07 miles) of sanitary sewers
  - SSES contractors inspected 5,302 sewer manholes in SSES areas
- Confirmed new priority areas for FY11 Condition Assessment and initiated planning for future inspections.
- Completed ICA Phase 3 activities on the following interceptor condition assessments. Inspection reports have been received for the following areas:
  - Mill Creek Trunk (Budget ID H09399)
    - Ohio River Interceptor (Budget ID H09400) & Maple Street Area
    - Upper Dry Run Trunk (Budget ID H09404)
    - Sneads Branch Relief (Budget ID H09402)
    - Lea Ann Way Interceptors (Budget ID H09398)
    - Camp Taylor Interceptors (Budget ID H09407)
    - Flood Protection System

Next Quarter

- Continue quality assurance and quality control on the data received from sewer inspections.

- Begin analysis of the data gathered in the ICA, CCTV and SSES efforts to prioritize maintenance and rehabilitation needs. Begin development of bid packages to execute these priorities.
- Begin development of the Blockage Abatement Plan that will define cyclical maintenance procedures for lines demonstrating recurring blockage abatement needs.
- Begin defining inspection life cycle of 'clean' and 'structurally sound' sewers that makes good business sense.
- Determine the number of potential capacity assurance credits from the priority areas.
- Finalize CSSA system analysis guidelines and distribute to SSES contractors.
- Finalize prioritization and begin planning and budgeting of areas/lines for FY11 rehabilitation based upon the need for credits, the data from condition assessments and the results from the ICA and SSES data.

### **M-E-9 Infrastructure Rehabilitation**

#### This Quarter

- Edgewood Separation (Budget ID H09202) - The existing storm and sanitary lines in the area need to be replaced due to their poor condition. A project was created to replace the existing storm line and install new sanitary sewer lines. All existing sewer connections to the drainage facility were located and will be re-directed to the new line. By September 30, 2010, final design documents will be received and the project will be advertised for bid.
- Whipps Mill Basin (Budget ID H09202) - This project called for raising two manholes on the Middle Fork Interceptor to a height two feet above the floodplain along Middle Fork. Chimney seals will also be installed on both manholes. The manholes are located in the Whipps Mill Basin. Contract has been awarded. Wet weather and soggy soil conditions have delayed the completion of this work as the manholes are located in wetlands near a large regional basin. MSD will continue to monitor site for access.
- Goose Creek Pump Station (Budget ID F07070) Grinder Installation - A pre-construction meeting was held on January 14, 2010, with the notice-to-proceed issued on January 21, 2010. Construction started in February 2010 and is scheduled to be completed by August 30, 2010. Change Order No. 1 was approved in June 2010. This change order approved the installation of slide gates instead of stop gates (as was originally specified in the bid documents). The change order also added 60 days to the project schedule, which extends the completion date to October 30, 2010.
- Lea Ann Way Pump Station (Budget ID F07069) Grinder Installation - The project was awarded on October 26, 2009, and a notice-to-proceed for construction was issued on November 24, 2009. A pre-construction meeting was held December 22, 2009. Construction started in January 2010 and was scheduled to be completed by May 31, 2010. Change Order No. 1 was approved in February 2010 and included the installation of two stilling wells. Change Order No. 2 was approved in May 2010 and contained numerous pump station upgrades including the addition of stop gates and also channel

grating. Both change orders extended the contract time by a total of 90 days. The new completion date is September 13, 2010.

- Brandeis Viaduct #2 Pump and Controls Modifications (Budget ID F04192) - The project was awarded on October 26, 2009, and a notice-to-proceed for construction was issued on December 7, 2009. A pre-construction meeting was held December 28, 2009. Construction started in January 2010 and was scheduled to be completed by June 15, 2010. Change Order No. 1 was approved in May 2010 and consisted of extending the contract completion date by 60 days. The contract has experienced difficulty getting a firm delivery date from the pump supplier. The current delivery date issued by the supplier is August 14, 2010. Completion date for the project will be revised to September 30, 2010.
- Shively Pump Station Grinder Replacement Project Planning (H10151) - was completed to replace the existing grinders. An RFP was issued and fees negotiated for design services for the replacement project. Final negotiations have been completed. The budget has been appropriated to create a project. A notice-to-proceed was given to the design consultant on March 31, 2010. On June 30, 2010, the 90% design plans were reviewed and only minor changes noted. Final design plans and specifications are to be delivered to MSD by the end of July 2010.
- Fairmount Road Pump Station Expansion (Budget ID E00303) - The contract for final design services was awarded on January 25, 2010. A notice-to-proceed was issued on May 10, 2010. A preliminary design memo and 30% design drawings were received on May 31, 2010, followed by a staff review meeting held on June 18, 2010. At the meeting it was decided to expand the project scope to include a channel grinder to resolve rag and debris problems occurring in the existing site valving. By September 30, 2010, final design documents will be received and the project will be advertised for bid.
- Gorham Way Pump Station Elimination (C09061) - MSD staff is reviewing several sewer alignments. Substantial rock will be encountered in all possible elimination routes. A route has been selected and final design and easement acquisition is scheduled to be complete by September 30, 2010.
- Anchor Estates Rehab Project (Budget ID F08443) - During the SSES for the Anchor Estates area, multiple defects in the existing clay tile sewer system were discovered. This project was created to make corrections to address these defects. Project will include about 2000 feet of 8-inch cured-in-place pipe, manhole repairs and spot repairs. This work will be bid by July 31, 2010, with work completed by December, 2010.
- Waycross Road Pump Station Elimination (Budget ID CO9062) - This project involves the elimination of the Waycross Road Pump Station and the installation of approximately 1,200 feet of 8-inch diameter gravity sewers. Notice-to-proceed for construction was issued on October 26, 2009, flow was diverted from the pump station on December 28, 2009, and final construction was completed on May 19, 2010.
- Lake Louisville Sanitary Sewers (Budget ID D98344) - This project will involve the elimination of four pump stations - (Forest Springs, Bay Tree, Willow Cove and Cottages of Westport) and construction of approximately 5,550 linear feet of gravity line. The new system will be designed to serve approximately 1,100 single family homes in the Hite

Creek WQTC service area. This is a joint effort between private development and MSD to eliminate these facilities. The design on this project has reached the 100% stage. However this project is a joint private and public cost share. The private developer must construct a new pump station to receive the flow from the four existing pump stations that are to be eliminated. The private section is on hold due to funding. Project will be on hold until private funding has been secured.

- Canoe Lane/Fairway Lane Pump Station Elimination (Budget ID F06298) - This project will allow for the elimination of the Canoe Lane and Fairway Lane Pump Stations. The elimination of these pump stations will assist in the elimination of SSO's that currently exist downstream of these facilities. Design and easement acquisition are complete. Project was bid on April 12, 2010. Construction notice-to-proceed will occur by July 31, 2010. Substantial completion will occur by December 2010.
- Lake Forest Pump Station, Force Main, and Interceptor (Budget ID E05509) - This project will allow for the elimination of the Berrytown, Starview, and Chenoweth Run WQTCs. Additionally, the St. Clair Drive and Arnold Palmer Pump Stations will be eliminated with this project. The effluent from these facilities will be directed to a proposed pump station that will pump into the existing Old Henry Force Main sending the wastewater to the Floyds Fork WQTC. Design on this project is 90% complete and easement acquisition is in progress. Some changes in the alignments and additional line segments are being included in the design. Design will continue through the next reporting period.

The project will be constructed in four phases. Phase I will be the construction of the new pump station and is the critical facility. The pump station completion will dictate the schedule for the completion of the interceptor to eliminate the existing pump stations and treatment plants. Phase I will allow for the start of the pump station construction while design and easement acquisition is in progress on the interceptor sections. The second phase is the interceptor that will eliminate the existing Arnold Palmer PS and Chenoweth Run/Lake Forest WQTC. The third phase is a section of interceptor that will be completed by developers. The fourth phase will be the interceptor to eliminate St. Clair PS, Starview WQTC and Berrytown WQTC.

Phase I, the new pump station, was advertised for construction by June 30, 2010, with construction completed by September 30, 2011. The second phase is scheduled to start construction by December 31, 2010, with construction completed by December 31, 2011. The third and fourth phases are scheduled to start construction in 2011 and should be completed in 2012.

- McNeely Lake WQTC Influent Pump Station (Budget ID H09338) - Completed planning 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 site on June 4, 2010, with three contractors to obtain a quote for the project. Several questions came up during the meeting and the drawings required revisions. Revised drawings were received by June 30, 2010. By August, 30, 2010, 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.

- Yorktown Pump Station Maintenance (Budget ID H09338) - Completed review of the existing pump station discharge bases. The existing duplex pump station was pumping under capacity due to excessive grout in the bottom of the wet well. The grout was not allowing the correct suction required for the pump to operate correctly. On January 22, 2010, a meeting was held on site with three contractors to obtain a quote to replace each pump base and re-grout the wet well. A purchase request to complete the work was approved in June. Anticipated completion date is August, 2010.
- Starkey Flood Pump Station Air Discharge Valve Project (Budget ID H09517) - A project was initiated to relieve a vacuum problem in the discharge piping that is causing pump and flow meter operational issues. This site is associated with CSO020 and accurate flow measurement is required. The project will install electrical valves that will act as automatic vacuum breaks when the pumps shut down. A notice-to-proceed for design was issued on May 10, 2010. Final design drawings and specification were received on June 11, 2010, and bid documents have been completed. It is anticipated that the project will be advertised July 20, 2010, with a construction completion date of December 30, 2010.
- Nightingale Pump Station Surge Valve Investigation (Budget ID - H09338) - MSD initiated a review of the surge valve to review pump operation issues. The pump station was seeing pressure surges tripping the pumps. A site meeting was held on April, 2010 with Metro Operations to review the surge valve with a local engineering consultant. A technical memorandum was prepared outlining valve calibrating and cleaning procedures. These recommendations were completed by staff. The valve appears to be working and staff will continue to monitor.
- South Hunting Creek WQTC Flow Splitter Box Replacement (Budget ID H09346) - As part of a CPE effort, MSD staff worked with a metal fabricator to fabricate a new flow splitter box. The existing splitter box was rusted and damaged. During the week of May 24, 2010, staff installed piping to allow the existing splitter to be isolated and completed the splitter box replacement on May 27, 2010.

#### Next Quarter

- Through the Blockage Abatement Program Development, continue to define a Request for Proposal for time and material sewer and manhole maintenance and rehabilitation activities, both to be based on a fiscal year schedule and budget.
- Continue system rehabilitation projects currently underway as described above.

#### **M-E-10 System Capacity Assurance Program**

##### This Quarter

- Continued to collect formula-based defect inspection of significant footage of sewer lines in various sewersheds across the county. In addition, contract arrangements moved forward to increase these efforts. This information will be used to prioritize cleaning and rehabilitation efforts that will remove inflow and infiltration from the system and create capacity credits.

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- Enhanced the tracking of Pump Station capacities, reviewed testing results and identified action items pertaining to deficiencies. Critical results of this effort are being documented on each station asset within the Hansen system.

#### Next Quarter

- Continue to track WQTC capacities and new development flows in accordance with the SCAP, as previously described. Pump station capacity investigation needs resulting from the pump testing and deficiency identification will be refined and remedial actions will be initiated for the highest priority stations.
- Complete a gap analysis with MSD management to identify areas of improvement needed for the program.
- Post 2010 version of the SCAP document on the Project WIN website.

#### **M-H-1 Spare Parts Inventory Management Program**

##### This Quarter

- Reviewed security scan control pads. Access is reviewed quarterly for inventory control measures.
- Continued review of inventory with department managers to identify obsolete items.
- Third phase of the Bar-Code Scanning Project for quoting and procurement compliance to implement a portion of the bar-code system was put on hold, due to IT personnel issues.
- Regular cycle counting at Hite Creek WQTC Storeroom was put on hold, due to Storeroom personnel issue.
- Completed the annual physical inventories at Morris Forman WQTC Storeroom and Central Maintenance Facility Storeroom.

##### Next Quarter

- Security scan control pads access is reviewed quarterly for inventory control measures.
- Continue review of inventory with department managers to identify obsolete items.
- Continue with third phase of the Bar-Code Scanning Project for quoting and procurement compliance to implement a portion of the bar-code system.
- Begin regular cycle counting at Hite Creek WQTC Storeroom with new replacement of Storeroom personnel.
- Review Consent Decree spare parts needs at Central Region with emphasis on old spare parts removal.

#### **M-H-2 Equipment and Tools Repair Management**

##### This Quarter

- Continued efforts to control odor issues and identify vegetation improvements at CMF with management.

- Finalized the storeroom SOP and processes for equipment and tools repair at the committee level and this has been forwarded to Union representation for review before implementation and communicated to all MSD.
- Continued to meet with the Security Asset group on recommendations of Security Asset Policy and SOP for improvements and tighter security.

#### Next Quarter

- Complete odor control issues and vegetation improvements at CMF with management.
- Implement and communicate storeroom SOP and processes for equipment and tools repair.
- Security Asset group will continue to meet on recommendations of Security Asset Policy and SOP for improvements and tighter security.

#### **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

#### This Quarter

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

- 5 Catch Basin Cleaners (clamshell type) had 98% availability.
- 6 Sewer Flushers had 99% availability.
- 7 Tele-Inspection Trucks had 98% availability.
- 9 Vacuum Catch Basin / Sewer Cleaner Trucks had 92.5% availability.
- 14 Sound-Attenuated 6" Trash Pumps had 100% availability.
- Average availability of all Mission Critical equipment was 97.7%.

#### Equipment Procurement Activity:

- 4 Ford / CUES Tele-Inspection Vehicles placed into active status on April 1, 2010. Delivery and in-service processing of 1 additional unit to occur during the next quarter.

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- 1 International / Vactor 2100 Plus, Vacuum Catch Basin / Sewer Cleaner truck to be delivered and processed for service during the next quarter.
  - 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 first on-site Faster training session, June 7-10, 2010.
  - Completed first out-of-town Vacuum Catch Basin Cleaner “Vactor Advanced Mechanics” factory training program, June 14-17, 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.

#### Next Quarter

- Continue Vacuum Catch Basin Cleaner “Vactor Advanced Mechanics” factory training program for Fleet Services personnel as listed below:
  - 4 Fleet Services personnel, September 20-23
  - 4 Fleet Services personnel, October 11-14
  - 6 Fleet Services personnel, December 6-9
- 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.
- Determine FASTER “Go Live” date.

#### **M-H-4 Supplies Management**

##### This Quarter

- 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 efforts to provide recycling pick up service within Metro.



- Ordered a new soy-based industrial hand cleaner for installation in all maintenance and fleet shop areas.
- Continued monthly meetings with all locations to better service tool and inventory needs.

#### Next Quarter

- Continue to implement 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 efforts to provide recycling pick up service within Louisville Metro facilities.
- Continue monthly meetings with all locations to better service tool and inventory needs.

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

##### This Quarter

- 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.

##### Next Quarter

- No activity is anticipated on redrafting the Private Property Ordinance during the period of July through September, 2010. Efforts to address private property I/I will continue to focus on expanding participation in voluntary programs.

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

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

### **5.2 Operations Programs**

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

##### This Quarter

- Approved the contract for final 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. By June 30, 2010, a work order was issued to update the manuals during FY11.

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- Determined capital project priorities and the budgetary needs in monthly 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 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. The data assessment tool will be used to help prioritize rehabilitation projects.

#### Next Quarter

- Meet on a monthly basis with Operations staff to determine capital project priorities and advise on the budgetary needs on a quarterly basis.
- Continue to analyze the pump station draw down database with all test results and use the pump station spreadsheet tool to prioritize pump station rehabilitation efforts. These tasks will be coordinated with the Greenline and Emergency Generator Programs. Perform data review meetings with Operations to help prioritize rehabilitation efforts.

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

#### This Quarter

- East Region Emergency Generator Project (Budget ID H10082) – The purpose of this project is to install permanent stand-by generators at the following MSD pump stations: Brittany Woods Circle, Devondale, Fairway View Court, and Saurel Drive. All generators have been installed. Contractor is completing final start up activities and testing. Additional landscaping has been added at the Brittany Woods site per discussions with the neighborhood association. Testing of both the Brittany Woods Circle and Saurel Drive generators has been completed. The generators at both the Devondale and Fairway View Court sites experienced problems during load bank testing and solutions are underway to resolve these issues. The pump stations should be up and running by the end of July 2010. Training on all four sites has taken place. MSD will meet the Brittany Woods neighborhood association in July 2010 to discuss the landscaping to be done at the generator site. By August 31, 2010, a decision will be made between both parties to determine the proper course of action.
- West Region Emergency Generator Project (Budget ID H10084) – The purpose of this project is to install permanent stand-by generators at the following MSD pump stations: Francell Court, Park Ridge Woods, Sunlight and Tree Line. All generators have been installed. Contractor is completing final start up activities and testing. Additional landscaping has been added at the Francell Court site per discussions with the neighborhood association. All four generator sites have been tested and approved by MSD. Training has taken place on all four sites. Landscaping at Francell Court will take place in the Fall when the weather is more conducive to plant survival.

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- Central Region Emergency Generator Project (Budget ID H10083) – The purpose of this project is to install permanent stand-by generators at the following MSD pump stations: Griffytown #1, Middletown Christian Village, Monticello Place and Six Mile Lane. The generator shop drawings provided by the contractor during the shop drawing review phase of the project were rejected by MSD. The generators were under sized by the contractor's generator supplier. MSD approved the resubmitted generator shop drawings submitted by the contractor. The generators at all four sites have been installed and testing of the generators and training should be completed by the end of July 31, 2010.
  - 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.

#### Next Quarter

- Continue to review lowest home opening elevations and confirmed pump station as-constructed information for the West Region. Begin planning, based on the field information obtained from the lowest home elevations for all regions 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 start up testing and training to have generators accepted by MSD prior to July 31, 2010.
- West Region Emergency Generator Project (Budget ID H10084) – Complete start up testing and training to have generators accepted by MSD by July 31, 2010.
- Central Region Emergency Generator Project (Budget ID H10083) – Complete installation, start up testing and training to have generators accepted by July 31, 2010.
- Complete design and bid documents for the next round of generator sites mentioned above (Caven, Wathen, Villa Anna and Shady Villa Pump Stations). Projects have been delayed due to specification revisions from lessons learned on previous projects. Use remaining FY10 generator program funds to advertise the pump stations for bid and award construction contract by September 30, 2010.

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

##### This Quarter

This Quarter (April 1, 2010 through June 30, 2010)

- Conducted a Certified Grease Waste Hauler Training session on 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 Recon in May and June, 2010. Twelve areas were teleinspected. 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 84 enforcement actions against Food Service Establishments for FOG violations found during reconnaissance and follow-up inspections conducted at Food Service Establishments that recently failed certification by an approved MSD Certified Grease Waste Hauler, as well as collection system grease blockage incidents.
- Mailed 172 FOG residential public outreach letters to residents in neighborhoods in the MSD service area that had FOG issues.
- Removed 215,836 gallons of FOG from Grease Control Equipment at Food Service Establishments in the MSD service area.
- Conducted 8 Certified Grease Waste Hauler audits.
- Continued tracking and reporting FOG Program performance measures.

#### Next Quarter

- Continue to conduct follow-up inspections at Food Service Establishments recently receiving failed grease control equipment certifications from approved MSD Certified Grease Waste Haulers and recon, as well as collection system grease blockage incidents. MSD will issue enforcement actions as appropriate to Food Service Establishments found to be in violation of the MSD Wastewater/Storm water Discharge Regulations.
- Continue to send FOG residential public outreach letters to residents in neighborhoods in the MSD service area that had FOG issues.
- Continue tracking and reporting FOG Program performance measures.

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

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

#### **5.3 Maintenance Programs**

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

#### This Quarter

- 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 to use Hansen for preventive maintenance tasks and corrective work orders for Metro Operations staff that maintain sewer pump stations and small water quality treatment centers.
- Continued the inspections on pump station sites that have deficiencies determined during the Draw Down and Greenline Programs. To date, 91 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 all 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.

Next Quarter

- Conduct additional Hansen training for Metro Operations staff, as more PM processes are converted to Hansen.
- Continue to perform inspections on pump station sites that have deficiencies determined during the Draw Down and Greenline Programs.
- Meet with Operations to review data collected from the Drawdown and Greenline Programs and start prioritizing pump stations for rehabilitation. Start the process of executing purchase orders to replace equipment and rehabilitation project to correct site deficiencies.

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

This Quarter

- Completed inspections on the following force mains:

|             |              |
|-------------|--------------|
| Monticello  | Tucker Lakes |
| Creel Lane  | John Hancock |
| Lucas Lane  | Riding Ridge |
| Grand Lakes |              |

Next Quarter

- Schedule the following force mains for inspection:

|                |                   |
|----------------|-------------------|
| Rubbertown     | Olde Copper Court |
| Jefferson Hill | Meadowstream      |
| Bircham Road   | Hillsdale         |
| Tree Line      |                   |

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

This Quarter

- Performed chemical root treatment on 69,835 feet of main sewer.
- Defined target areas for chemical root treatment in the next quarter.

Next Quarter

- Define the Gravity Line Preventive Maintenance (GLPM) and Blockage Abatement Plan work plan for activities through June 30, 2011.
- Begin development and testing of decision matrix and implementation protocol for the BAP, including inspection life cycles and work initiation.
- Begin review of contract, equipment, fleet, and personnel resource needs and availability to allow for completion of tasks developed in the CSSA.
- Continue working with the contracted sewer evaluation, cleaning, and root cutting consultants and contractors and internal personnel to inspect FY10 priority areas and initiate blockage abatement maintenance measures as appropriate.

**M-C-1 Safety Committee**

Last Quarter

- Chaired safety committees representing IF&P, Metro Operations, and the Morris Forman WQTC. The committee meetings are held on a quarterly basis and were conducted in the last quarter with each individual group. The committee membership consisted of both union and management representatives.

Next Quarter

- Continue safety committee meetings, and process improvements, on a quarterly basis to address safety concerns.

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### **M-C-2 Confined Space Entry**

#### Last Quarter

- 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 employees who have job descriptions requiring confined space entry. MSD also maintained and purchased entry equipment and personal protective equipment to provide for safe entry conditions and to maintain compliance with 29 CFR 1910.146.

#### Next Quarter

- Continue to administer training and monitor procedures on confined space entry in order to maintain compliance with 29 CFR 1910.146. In addition the Health and Safety Department is in the process of purchasing additional multi-gas monitors and upgrading of a calibration station for flood pumping.

### **M-C-3 General Safety Procedures**

#### Last Quarter

- Established various general safety procedures based on both 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.

#### Next Quarter

- Continue to assess the need to update existing procedures and/or create new procedures as conditions and regulatory requirements dictate. Currently planning additional training for the MSD Emergency Response Team to be conducted in 2010.

### **M-C-4 Traffic Management**

#### Last Quarter

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

#### Next Quarter

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

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### **M-C-5 Lock Out/Tag Out**

#### Last Quarter

- 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.

#### Next Quarter

- Develop LO/TO procedures as equipment is added/replaced, or as processes are changed. The Health & Safety Department is scheduled to attend Lockout/Tagout training programs conducted by the KY Labor Cabinet's KYOSH Education & Training Division.

### **M-C-6 Safety Equipment**

#### Last Quarter

- Implemented the MSD prescription safety glasses program for employees.
- Implemented the marking of covers with "HOLE" or "COVER" change.

#### Next Quarter

- Continue to provide required PPE to employees at no cost to the employees themselves.
- Maintain safety related equipment or replace the equipment per governing policies or as the need arises.
- Monitor the market in order to procure improved safety equipment as technology advances.

### **M-C-7 Performance Measures**

#### Last Quarter

In the 2nd quarter of 2010, there were 306,025 hours worked.

- Recorded 22 safety incidents.
- Recorded 6 lost time accidents.
- 20 Workers' Compensation Claims filed.
- MSD staff were off from work a total of 139 days due to work-related issues.

#### Next Quarter

MSD will continue to track accident statistics in accordance with the OSHA Recordkeeping Standard 29 CFR 1904.



**M-B-1 Technical Training**

Last Quarter

Performed training in the following areas:

| Type of Training  | Number of Hours | Number of Sessions |
|-------------------|-----------------|--------------------|
| Collection System | 29              | 14                 |
| Equipment         | 306             | 76                 |
| Reporting         | 1               | 1                  |
| Safety & Hazmat   | 55              | 20                 |
| Wastewater        | 9               | 5                  |

- Conducted 14 training sessions related to its collection system, representing a total of 29 hours of training. These sessions primarily focused on sewer overflow prevention and response, as well as preventive maintenance of CSO's and Siphons.

Next Quarter

- Perform quarterly Sewer Overflow Response Protocol training to MSD staff

**M-B-2 Skills Training**

**M-B-3 Safety Training**

- Seventy-six training sessions, totaling 306 hours, were conducted focusing on the safe and effective operation of equipment necessary to maintain and operate the collection system. This included training on combination sewer cleaners, excavators, dump trucks, and backhoes.
- One hour-long training session was conducted in the use of EB software, which helps MSD to digitally store images of its collection system.
- Twenty sessions related to safety were conducted, totally 55 hours of training. These sessions covered such areas as Hazmat, trenching & shoring, bloodborne pathogens, CPR/First Aid, and confined space entry.
- Five sessions, totally 9 hours of training were conducted on topics related to wastewater treatment processes, including treatment plant SOP's and odor control.

MSD's Training and IT departments worked to enhance the training log database to increase its ability to track employee training compliance.

Additional employees who need to be trained in the use of CIPP methods have been identified and will be receiving training with these techniques in the coming months. CCTV training has been reviewed and updated – related training will be conducted as new employees are rotated into crews that utilize the CCTV equipment.

Next Quarter:

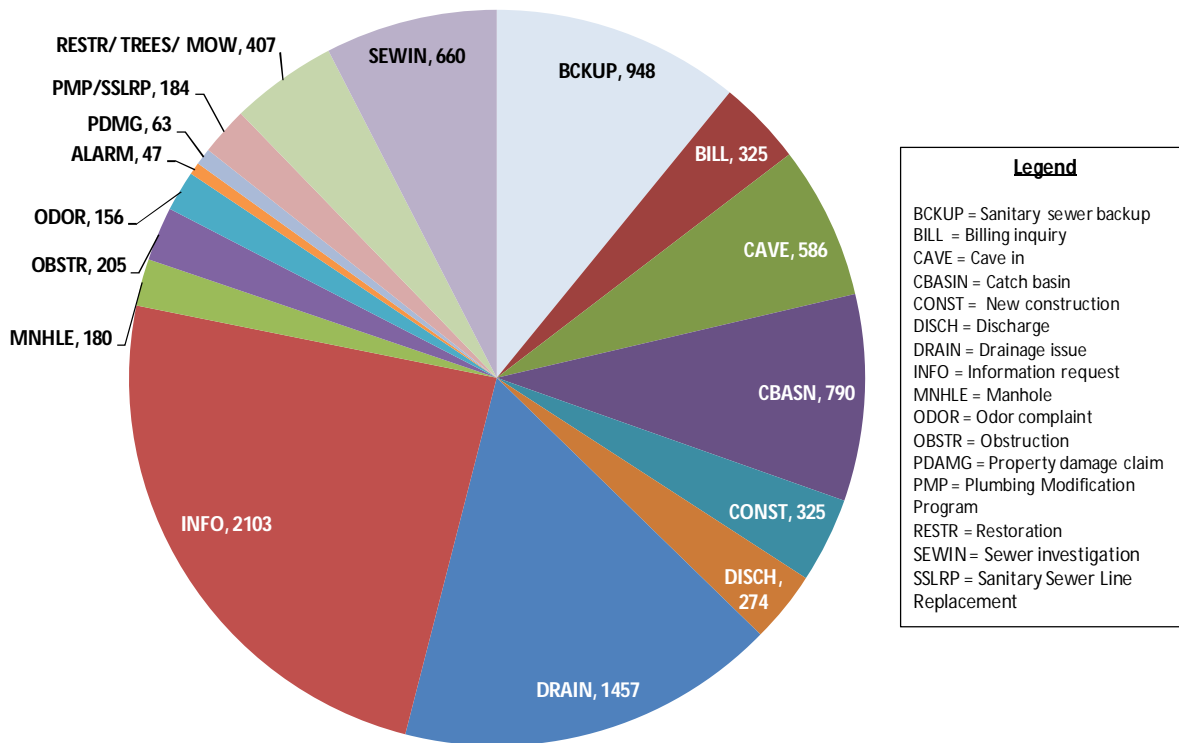
- Continue working with MSD’s IT department on developing enhancements to the training log database. Potential enhancements would increase the training department’s ability to target those employees who need to participate in specific consent decree related training, and then more accurately track their participation in the training.
- Continue review of both CIPP and CCTV training programs will be completed to determine if enhancements are needed to improve employee performance with these related tasks.

**M-I-1 Customer Service**

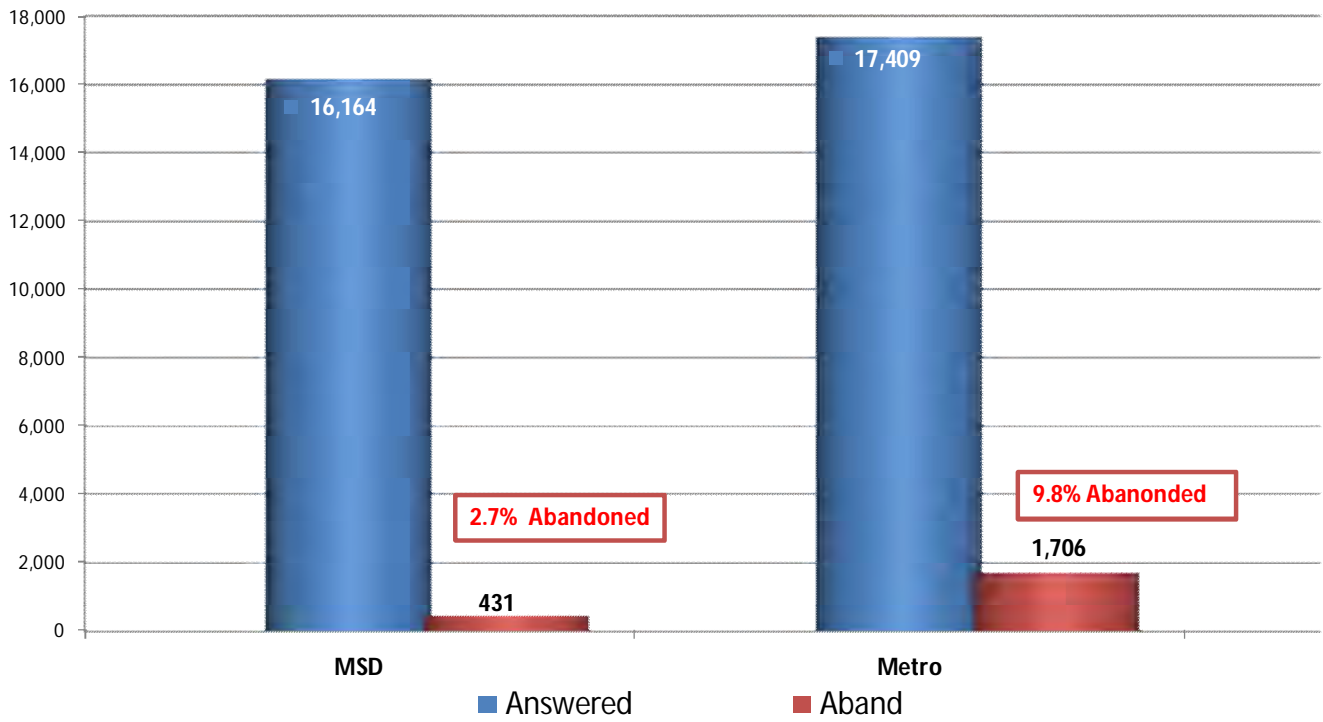
Last Quarter

- Tracked calls received, outcomes, walk-in customers, and resolutions from those customers. Graphs depicting the activities from the quarter are shown below:

**MSD Customer Relations Department 2010 Second Quarter Report**  
8,710 MSD Service Requests Entered by Problem Code  
April - June, 2010



**MSD Customer Relations Department 2010 Quarterly Summary**  
**April - June Abandoned Call Rate**  
**35,710 Calls Received - Split Between MSD and Metrocall**



| <b>MSD Customer Relations 2010 Quarterly Summary</b> |            |
|--|------------|
| <b>Service Center Walk-In Customers</b>              |            |
| <b>April 1 through June 30</b>                       |            |
| Assessment Payment/Payoff                            | 74         |
| Bill Related Requests                                | 7          |
| Capacity Charge Fee                                  | 11         |
| Connection Fee Purchased                             | 3          |
| CSD/ Map Copies                                      | 19         |
| Drainage Requests                                    | 12         |
| Easement Release Fee                                 | 1          |
| EPSC Fine  | 2          |
| Field Staff Needing Assistance                       | 49         |
| File Research  | 8          |
| I & I Fee  | 5          |
| LOJIC  | 25         |
| Minor Plat Review                                    | 29         |
| Misc. Fees   | 1          |
| Placing Customers O/C                                | 5          |
| Plan Review Fee                                      | 2          |
| PMP / Senior Discount                                | 32         |
| Recapture Fees                                       | 2          |
| Sewer Related Requests                               | 20         |
| Water Mgmt File Review                               | 1          |
| <b>TOTAL CUSTOMERS ASSISTED IN SERVICE CENTER</b>    | <b>308</b> |

Next Quarter

- Continue to track and trend calls received and outcomes associated with customer questions.
- Continue to draft performance measures for Customer Relations.

**M-I-2 Public Information**

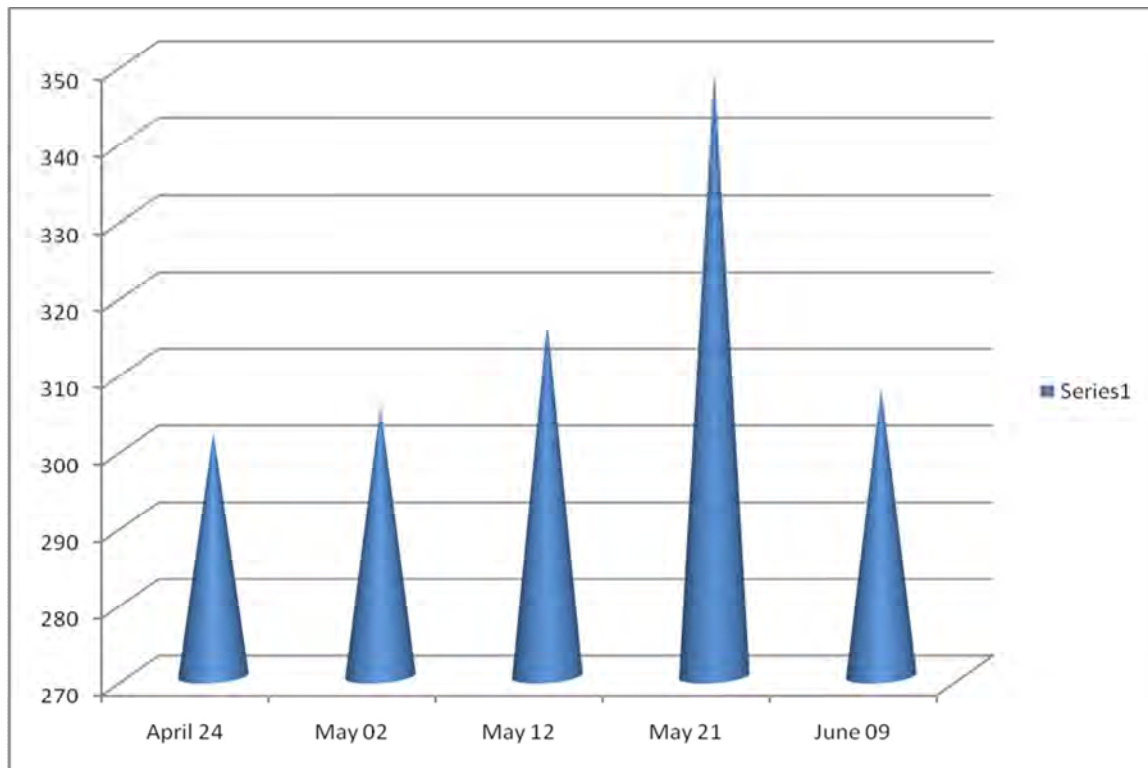
**M-I-3 Public Education**

**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**

- Treated peak flows greater than 300 MGD at Morris Forman WQTC on 5 different days.



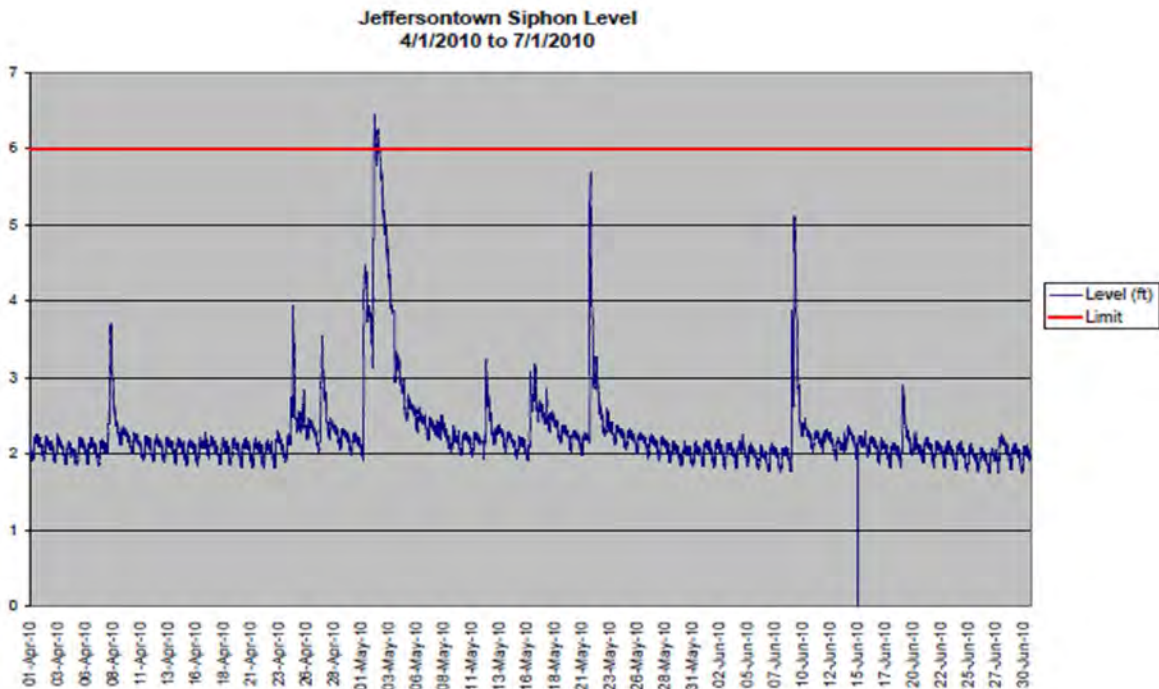
**Morris Forman WQTC – Flows over 300 MGD**

- Operated the Morris Forman WQTC during this reporting period without any permit violations.
- 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 improve and 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 the next reporting period to develop the new draft SOP. Final SOP is anticipated to be completed by December 31, 2010.

### 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 blending events at the Jeffersontown WQTC during this period on May 1, May 21, and June 9, 2010. The total blended amount, from all events, reported and documented on the Project WIN webpage was 8,701,869 gallons.
- Conducted three inspection routes for the Jeffersontown siphon during this reporting period on May 1, May 21, and June 9, 2010. No overflows were identified during these inspections from the siphon or associated manholes, despite the level on May 1 coming very close to the level that could result in an overflow.
- 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

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. In the third quarter of 2010, the design will reach the 80% stage and MSD will begin reviewing the plans and specifications. MSD will also submit an updated request for a waste load allocation to the KDEP.

### 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 ID 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, (North Hunting Creek, 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 3.2.2 for an update on the design phase of the Prospect #1 - WQTC Elimination Project (Budget ID multiple).
- Included the phosphorus monitoring data for the five WQTCs, including the calculation of monthly averages, in **Appendix G**.

## 6.3 Other Small Water Quality Treatment Center Updates

- McNeely Lake WQTC Influent Pump Station - Completed planning 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 site on June 4, 2010, with three contractors to obtain a quote for the project. Several

questions came up during the meeting and the drawings required revisions. Revised drawings were received by June 30, 2010. By August, 30, 2010, 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. Staff also 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. During August, 2010, 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 September 30, 2010, recommending necessary solutions to repair the tankage.

- Silver Heights WQTC – Meetings were held 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. Prior to September 30, 2010, MSD will have a consultant review the site and prepare a technical memorandum detailing work and costs associated with the aeration process modifications.

#### **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](http://www.msdlouky.org/projectwin) in the section labeled Wastewater Treatment Plant Reports.

MSD continued to work towards the creation of electronically generated DMRs. This requires coordination with the State, 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 September 30, 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 describes progress on the Type 1 and Type 2 activities required in the approved CPEs.



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### 6.5.1 Jeffersontown Water Quality Treatment Center

- 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. 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.
- Operated the new facilities that allow addition of sodium aluminate to the raw sewage in the existing screenings building. Start up and initial operation has been successful, and phosphorus removal performance continues to meet KPDES permit limits.
- 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 Lake Forest Water Quality Treatment Center

- 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

- Prior to June 30, 2010, started 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 September 30, 2010.

### 6.5.4 Hite Creek Water Quality Treatment Center

- Prior to June 30, 2010, started 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 September 30, 2010.

### 6.5.5 Timberlake Water Quality Treatment Center

- MSD drafted a letter request to KDEP for the elimination of the polishing pond and the relocation of the chlorine contact tank. MSD will finalize the request letter and submit to KDEP by July 30, 2010. Upon receipt of approval for the elimination of the polishing pond, MSD will determine an implementation approach to get this work done 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.

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#### 6.5.6 North and South Hunting Creek Water Quality Treatment Centers

- Fabrication of the new splitter box at the South Hunting Creek WQTC 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.
- Completed the structure and equipment condition assessment for both the North and South Hunting Creek WQTC sites 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 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.

#### 6.5.8 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.

#### 6.5.9 Ken Carla Water Quality Treatment Center

- A draft operations SOP was completed 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.

#### 6.5.10 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.

#### 6.5.10 Other Water Quality Treatment Centers

- Began 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 all of MSD's WQTCs. Prior to December 31, 2010, MSD will complete the planning and start the implementation phase 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 between April 1, 2010 and June 30, 2010.

The following corrective actions related to reported bypasses, organized by root cause, were completed prior to June 30, 2010:

- Capacity (CAP)
  - Not applicable this reporting period
- External Power failures (LGE Related – PWR)
  - Not applicable this reporting period
- Equipment Failure (Mechanical -MCH, Electrical - ELE, Structural-STR)
  - Chenoweth Hills WQTC (Hansen Discharge WO: 967725): Performed a third party audit of disinfection processes for the Chenoweth Hills WQTC. The audit identified additional corrective actions to address the root causes of the bypass that occurred at this WQTC on October 6, 2009. Substantial completion of the audit occurred prior to June 30, 2010, including schedule development for any corrective actions recommended.
  - Cedar Creek WQTC (Hansen Discharge WO: 804753): Performed a third 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 July 6, 2008. Substantial completion of the audit occurred prior to June 30, 2010, including schedule development for any corrective actions recommended.
  - Hunting Creek South WQTC (Hansen Discharge WO: 1043442): 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 September 19, 2008. Project was completed on April 14, 2010.
  - Cedar Creek WQTC (Hansen Discharge WO: 975966): 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, 2008. Substantial completion of the audit occurred prior to June 30, 2010, including schedule development for any corrective actions recommended.
  - Derek R. Guthrie WQTC (Hansen Discharge WO: 817920): Reviewed and enhanced the SOPs and training modules for the DRG WQTC. This enhancement

- 
- corrected the bypass that occurred at this WQTC on August 20, 2008. Substantial completion of the review occurred prior to June 30, 2010, including schedule development for any corrective actions recommended and training updates.
- Derek R. Guthrie WQTC (Hansen Discharge WO: 818054): Reviewed and enhanced the SOPs and training modules for the DRG WQTC. This enhancement corrected the bypass that occurred at this WQTC on August 21, 2008. Substantial completion of the review occurred prior to June 30, 2010, including schedule development for any corrective actions recommended and training updates.
  - Derek R. Guthrie WQTC (Hansen Discharge WO: 923712): Reviewed and enhanced the SOPs and training modules for the DRG WQTC. This enhancement corrected the bypass that occurred at this WQTC on June 26, 2009. Substantial completion of the review occurred prior to June 30, 2010, including schedule development for any corrective actions recommended and training updates.
  - Silver Heights WQTC (Hansen Discharge WO: 831889): Performed a third party audit of disinfection processes for the Silver Heights WQTC. This audit identified additional corrective actions to address the root causes of the bypass that occurred at this WQTC on October 13, 2008. Substantial completion of the audit occurred prior to June 30, 2010, including schedule development for any corrective actions recommended.
  - Hite Creek WQTC (Hansen Discharge WO: 1081862): Repaired the plant process water line on May 24, 2010. This repair corrected the bypass that occurred on May 22, 2010.
- Human Error (OPN)
    - Chenoweth Hills WQTC (Hansen Discharge WO: 852911): Performed a third party audit of disinfection processes for the Chenoweth Hills WQTC. This audit identified additional corrective actions to address the root causes of the bypass that occurred at this WQTC on December 1, 2008. Substantial completion of the audit occurred prior to June 30, 2010, including schedule development for any corrective actions recommended.
    - Derek R. Guthrie WQTC (Hansen Discharge WO: 857175): Reviewed and enhanced the SOPs and training modules for the DRG WQTC. In addition, flow metering and alarms on the hypochlorination process was enhanced. These enhancements corrected the bypass that occurred at this WQTC on December 17, 2008. Substantial completion of the SOP and training, flow metering on hypochlorination, and hypochlorination alarm enhancements occurred prior to June 30, 2010.
    - Hunting Creek South WQTC (Hansen Discharge WO: 1094894): 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 occurred prior to June 30, 2010, including schedule development for any corrective actions recommended and training updates.

- Chenoweth Hills WQTC (Hansen Discharge WO: 1099222): 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 temporary sodium bisulfite feed was established to mitigate the bypass. These actions corrected the bypass that occurred on June 28, 2010.
- Chenoweth Hills WQTC (Hansen Discharge WO: 1099424): 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.

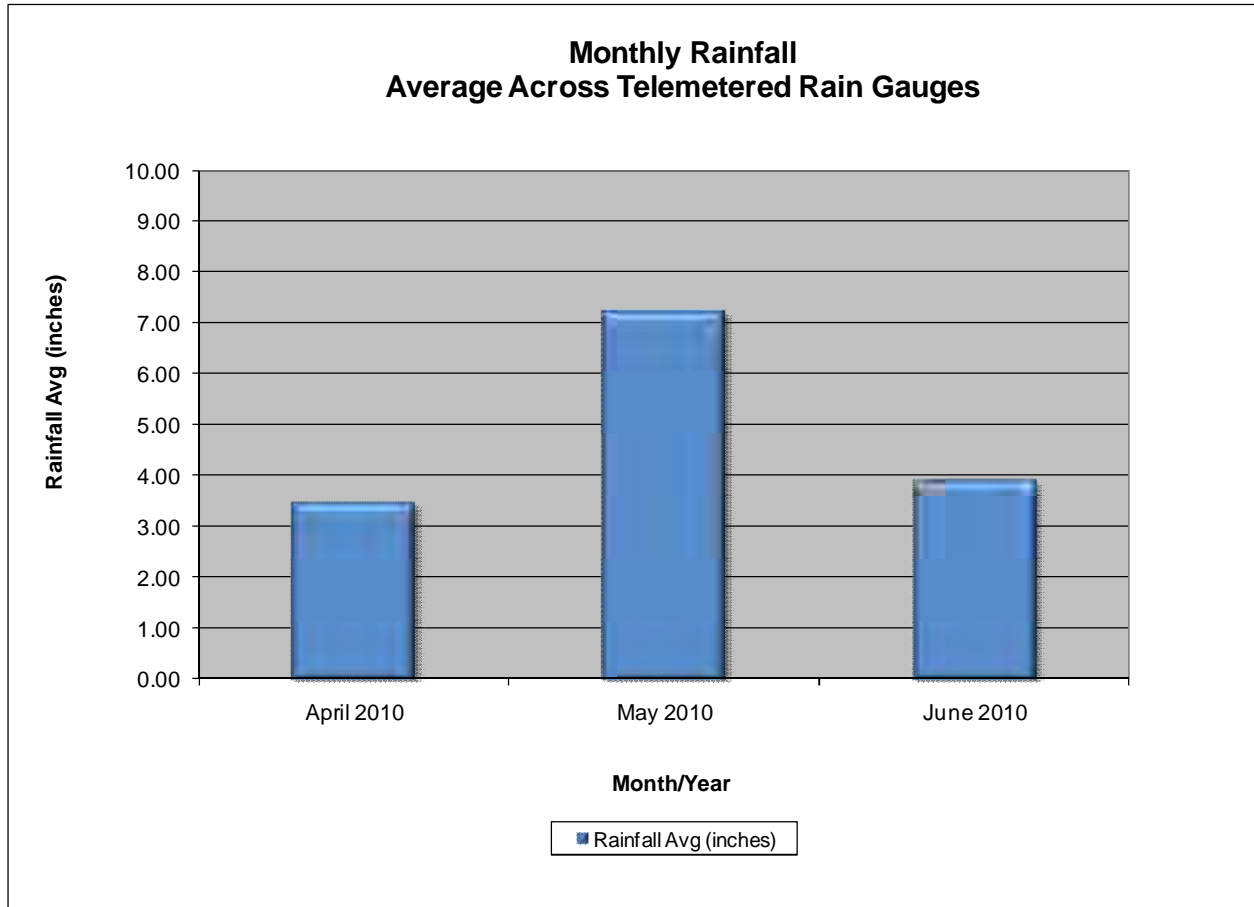
The following corrective actions related to reported bypasses, as taken from the 5-day follow-up letters, will be in progress or completed prior to September 30, 2010:

- 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 3<sup>rd</sup> party disinfection audits incorporated.
- Review PM schedules for disinfection based upon recommendations from the 3<sup>rd</sup> party disinfection audits.
- Continue to implement automatic switch over mechanisms and alarms for chemical feed tanks for all chemical disinfection WQTCs.
- Continue SOP and training enhancement for the following WQTCs:
  - Bancroft WQTC
  - Cedar Creek WQTC
  - DRG WQTC
  - Floyds Fork WQTC
  - Hite Creek WQTC
  - McNeeley Lake WQTC
  - Starview WQTC

**SECTION 7: Performance Overview**

**7.1 Rainfall**

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



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

**7.2.1 Bypass Events at Water Quality Treatment Centers**

Included in **Appendix B-2** is a report that lists the details of the 14 bypasses that occurred at water quality treatment centers (WQTC) during this reporting period. Bypasses were reported for the following WQTCs:

- Jeffersontown (MSD0255) - KPDES Permit No. KY0025194
- Chenoweth Hills (MSD0263) - KPDES Permit No. KY0029459 (5)

- 
- Cedar Creek (MSD0289) - KPDES Permit No. KY0098540
  - Chenoweth Run (MSD0403) - KPDES Permit No. KY0042226 (2)
  - Yorktown (MSD0271) - KPDES Permit No. KY0036323
  - Starview (MSD0247) - KPDES Permit No. KY0031712
  - Berrytown (MSD0209) - KPDES Permit No. KY0036501
  - Hite Creek (MSD0202) - KPDES Permit No. KY0022420
  - Hunting Creek South (MSD0292) - KPDES Permit No. KY0029114

The previous quarterly report included a memorandum that described the analysis of 44 bypass events that occurred between July 1, 2008, and December 31, 2009. This analysis revealed that emphasis to reduce or eliminate bypass events should be focused on the following categories:

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

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 6.6 for corrective actions.

The bypasses for the period of April 1, 2010, to June 30, 2010, are shown below:

- Capacity (CAP)
  - Chenoweth Hills WQTC (Hansen Discharge WO: 1062181): 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 2, 2010.
  - Berrytown WQTC (Hansen Discharge WO: 1068322): 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.
  - Cedar Creek WQTC (Hansen Discharge WO: 1062266): 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.
  - Chenoweth Hills WQTC (Hansen Discharge WO: 1062499): 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.

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- Chenoweth Hills WQTC (Hansen Discharge WO: 1062496): 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.
  - Chenoweth Run WQTC (Hansen Discharge WO: 1062502): 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.
  - Chenoweth Run WQTC (Hansen Discharge WO: 1062505): Bypass (capacity) was reported at this WQTC on May 2, 2010, when the new aeration basin overflowed. Investigation revealed that excessive plant flows (1.9 times design daily flow) occurred during the rain event of May 2, 2010.
  - Jeffersontown WQTC (Hansen Discharge WO: 1062156): 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.
  - Starview WQTC (Hansen Discharge WO: 1063005): 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.
  - Yorktown WQTC (Hansen Discharge WO: 1062532): 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.
  - External Power failures (LGE Related – PWR)
    - Not applicable during this reporting period.
  - Equipment Failure (Mechanical -MCH, Electrical - ELE, Structural-STR)
    - Hite Creek WQTC (Hansen Discharge WO: 1081862): Bypass (facility/structural) was reported at this WQTC on May 22, 2010, when the plant process water line failed.
  - Human Error (OPN)
    - Hunting Creek South WQTC (Hansen Discharge WO: 1094894): 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.
    - Chenoweth Hills WQTC (Hansen Discharge WO: 1099222): 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.

- Chenoweth Hills WQTC (Hansen Discharge WO: 1062496): 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 bypass when the plant lost the bisulfite feed as part of the disinfection process.

### 7.2.2 Blending Events

Included in **Appendix B-3** is a report that lists the details from the three blending events that occurred at the Jeffersontown WQTC during this quarter.

- Started blending on May 1, May 21 and June 9, 2010. The total blended amount, from all events, reported and documented on the Project WIN webpage was 8,701,869 gallons.

### 7.2.3 Dry Weather CSOS

Documented during this reporting period two Dry Weather overflows from a permitted CSO location and one wet weather overflow due to a mechanical failure at a CSO location.

- A wet weather overflow occurred at CSO018 on May 8, 2010, due to a mechanical problem with the pumps at Nightingale PS.
- A dry weather overflow occurred at CSO153 on June 1, 2010, due to an obstruction in the siphon.
- A dry weather overflow occurred at CSO151 on June 10, 2010. It is believed that this overflow was caused by a temporary blockage in the siphon. No repairs were made at this location. The blockage cleared itself and the overflow stopped before crews could respond.

At this time, all repairs have been made and CSOs are functioning properly.

### 7.3 Overflows to Ground

Recorded information related to overflows to the ground that did not reach waters of the United States for the reporting period. This information is entered and maintained in Hansen utilizing procedures reviewed and improved through efforts associated with various components of the Amended Consent Decree. These overflows will be included in the Annual Report for the period of July 1, 2009, through June 30, 2010.

### 7.4 Overflows to Interior

Recorded information related to overflows to building interiors for the reporting period. This information is entered and maintained in Hansen utilizing procedures reviewed and improved through efforts associated with various components of the Amended Consent Decree. These overflows, that are the result of an issue in the main line, will be included in the Annual Report for the period of July 1, 2009, through June 30, 2010.

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## 7.5 CSO Reductions

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

Included the CSO data for this quarter in **Appendix D**. A summary of any data anomalies and 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 that impacted CSOs were completed during this reporting period:

- During the last quarter, CSO026 closure was completed.
- On June 16, 2010, a cross connection was constructed between CSO210 and CSO016 which reduces sewer overflows at CSO210.

## 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:

- Waycross Drive Pump Station and related SSOs were eliminated
- Woodland Hills Pump Station was diverted to an alternate portion of the sewer system; thereby, reducing downstream overflows

## 7.7 Phosphorus Monitoring at the Prospect WQTCs

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

Appendix A – Activity Schedules

| Activity ID                                       | Activity Name                                      | Physical % Complete | IOAP Quarterly Report Chart                         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
|---|--|---------------------|---|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|----------|----|----|--|
|   |  |                     | April 2010  |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | Oct 2010 |    |    |  |
|   |  |                     | 04  | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19       | 26 | 03 |  |
| <b>27th STREET FLOOD PUMP STATION</b>             |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091262000  | 27TH STREET FLOOD PUMP STATION - DESIGN            | 0%                  | 27TH STREET FLOOD PUMP STATION - DESIGN             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091262901  | 27TH STREET FLOOD PUMP STATION - PROJECT MANAGE... | 0%                  | 27TH STREET FLOOD PUMP STATION - PROJECT MANAGEMENT |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>34th STREET FPS DWO ELIMINATION</b>            |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084782000  | 34TH ST FPS DWO ELIMINATION - DESIGN               | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084782001  | 34TH ST FPS DWO ELIMINATION - NTP                  | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084782901  | 34TH ST FPS DWO ELIM DESIGN FEES 50%               | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084782902  | 34TH ST FPS DWO ELIM DESIGN FEES 80%               | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084782903  | 34TH ST FPS DWO ELIM DESIGN FEES 95%               | 0%                  | 34TH ST FPS DWO ELIM DESIGN FEES 95%                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084782904  | 34TH ST FPS DWO ELIM DESIGN FEES 100%              | 0%                  | 34TH ST FPS DWO ELIM DESIGN FEES 100%               |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084784000  | 34TH ST FPS DWO ELIMINATION -AD DATE               | 0%                  | 34TH ST FPS DWO ELIMINATION -AD DATE                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084784050  | 34TH ST FPS DWO ELIMINATION - BID OPEN             | 0%                  | ◆ 34TH ST FPS DWO ELIMINATION - BID OPEN            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084784500  | 34TH ST FPS DWO ELIMINATION -AWARD                 | 0%                  | ◆ 34TH ST FPS DWO ELIMINATION -AWARD                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084786000  | 34TH ST FPS DWO ELIMINATION - CONSTRUCTION         | 0%                  | 34TH ST FPS DWO ELIMINATION - CONSTRUCTION          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>4th STREET FPS DWO ELIMINATION</b>             |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084772000  | 4TH ST FPS DWO ELIMINATION - DESIGN                | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084772001  | 4TH ST FPS DWO ELIMINATION - NTP                   | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084772901  | 4TH ST FPS DWO ELIMINATION - DATA COLLECTION       | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084772902  | 4TH ST FPS DWO ELIMINATION - DRAFT TM              | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084772903  | 4TH ST FPS DWO ELIMINATION - FINAL TM              | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084772904  | 4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 50%   | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084772905  | 4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 80%   | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084772906  | 4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 90%   | 0%                  | 4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 90%    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084772907  | 4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 100%  | 0%                  | 4TH ST FPS DWO ELIM - FINAL DESIGN SUBMITTAL 100%   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084774000  | 4TH ST FPS DWO ELIMINATION - AD DATE               | 0%                  | ◆ 4TH ST FPS DWO ELIMINATION - AD DATE              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H084774050  | 4TH ST FPS DWO ELIMINATION-BID OPEN                | 0%                  | ◆ 4TH ST FPS DWO                                    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>ADAMS STREET STORAGE BASIN</b>                 |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091352000  | ADAMS STREET STORAGE BASIN - DESIGN                | 0%                  | ADAMS STREET STORAGE BASIN - DESIGN                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>ASHBURTON PS IMPROVEMENTS/DIVERSION</b>        |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A090922000  | ASHBURTON PS IMPROVEMENTS/DIVERSION - DESIGN       | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A090924000  | ASHBURTON PS IMPROVEMENTS/DIVERSION - AD DATE      | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A090924050  | ASHBURTON PS IMPROVEMENTS/DIVERSION - BID OPEN     | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A090924500  | ASHBURTON PS IMPROVEMENTS/DIVERSION - AWARD        | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A090926000  | ASHBURTON PS IMPROVEMENTS/DIVERSION - CONSTRUCT    | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A090926950  | ASHBURTON PS IMPROVEMENTS/DIVERSION - AS-BUILTS    | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A090928050  | ASHBURTON PS IMPROVEMENTS/DIVERSION - CD CERTIFY   | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>BEARGRASS INTERCEPTOR REHABILITATION PH II</b> |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H092392000  | BEARGRASS INTERCEPTOR REHAB PH II - DESIGN         | 50%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H092393000  | BEARGRASS INTERCEPTOR REHAB PH II - EASEMENT       | 0%                  | BEARGRASS INTERCEPTOR REHAB PH II - EASEMENT        |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>BEECHWOOD VILLAGE SS REPL - EAST PORTION</b>   |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| E072612000  | BEECHWOOD VILLAGE SS REPL EAST - DESIGN            | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| E072612001  | BEECHWOOD VILLAGE SS REPL EAST - NTP               | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| E072612901  | BEECHWOOD VILLAGE SS EAST - PUBLIC MTGS            | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| E072612902  | BEECHWOOD VILLAGE SS EAST-50% SURVEY/PVMT CORE     | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| E072612903  | BEECHWOOD VILLAGE SS EAST -30% PLAN SUBMITTAL      | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| E072612904  | BEECHWOOD VILLAGE SS EAST -100% SEWER SURVEY       | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |

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



| Activity ID   | Activity Name   | Physical % Complete | April 2010  |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | October 2010 |    |    |  |  |  |  |
|---|---|---------------------|---|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|--------------|----|----|--|--|--|--|
|   |   |                     | 04  | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19           | 26 | 03 |  |  |  |  |
| H093882904  | CAMP TAYLOR RECON AREA 4                              | 0%                  | CAMP TAYLOR RECON AREA 4  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882905  | CAMP TAYLOR RECON AREA 5                              | 0%                  | CAMP TAYLOR RECON AREA 5  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882906  | PROJECT WORK PLAN                                     | 0%                  | PROJECT WORK PLAN   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882907  | INITIAL DATA COLLECTION AND REVIEW                    | 0%                  | INITIAL DATA COLLECTION AND REVIEW                                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882908  | MONTHLY PROJECT MANAGEMENT REPORTS                    | 0%                  | MONTHLY PROJECT MANAGEMENT REPORTS                                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882909  | SMOKE TESTING - ENGINEERING/COORDINATION              | 0%                  | SMOKE TESTING - ENGINEERING/COORDINATION                          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882910  | CCTV - ENGINEERING /COORDINATION                      | 0%                  | CCTV - ENGINEERING /COORDINATION                                  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882911  | MANHOLE INSPECTION - ENGINEERING/COORDINATION         | 0%                  | MANHOLE INSPECTION - ENGINEERING/COORDINATION                     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882912  | PRIVATE PROPERTY INSPECTIONS - ENG/COORD              | 0%                  | PRIVATE PROPERTY INSPECTIONS - ENG/COORD                          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882913  | DRAFT BASIN REPORTS AREA 1                            | 0%                  | DRAFT BASIN REPORTS AREA 1  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882914  | DRAFT BASIN REPORTS AREA 2                            | 0%                  | DRAFT BASIN REPORTS AREA 2  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882915  | DRAFT BASIN REPORTS AREA 3                            | 0%                  | DRAFT BASIN REPORTS AREA 3  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882916  | DRAFT BASIN REPORTS AREA 4                            | 0%                  | DRAFT BASIN REPORTS AREA 4  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882917  | DRAFT BASIN REPORTS AREA 5                            | 0%                  | DRAFT BASIN REPORTS AREA 5  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882919  | FLOW MONITORING - ENGINEERING/COORDINATION            | 0%                  | FLOW MONITORING - ENGINEERING/COORDINATION                        |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093882920  | STORMWATER INVENTORY - ENGINEERING/COORDINATION       | 0%                  | STORMWATER INVENTORY - ENGINEERING/COORDINATION                   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| <b>CAMP TAYLOR SSR PHASE 1</b>                      |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H094071000  | CAMP TAYLOR SSR PHASE 1 - PLANNING                    | 99%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H094072000  | CAMP TAYLOR SSR PHASE 1 - DESIGN                      | 0%                  | CAMP TAYLOR SSR PHASE 1 - DESIGN                                  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| <b>CEDAR CREEK SSES</b>                             |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093891000  | CEDAR CREEK SSES - PLANNING                           | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093891220  | CEDAR CREEK SSES REPORT                               | 0%                  | CEDAR CREEK SSES REPORT   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892901  | CEDAR CREEK SSES - PROJECT WORK PLAN                  | 0%                  | CEDAR CREEK SSES - PROJECT WORK PLAN                              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892902  | CEDAR CREEK SSES -DATA COLLECTION, REVIEW, BASIN ...  | 0%                  | CEDAR CREEK SSES -DATA COLLECTION, REVIEW, BASIN DELINEATION      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892903  | CEDAR CREEK SSES - NOTIFICATION PLAN                  | 0%                  | CEDAR CREEK SSES - NOTIFICATION PLAN                              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892904  | CEDAR CREEK SSES - NEIGHBORHOOD MEETINGS/MATE...      | 0%                  | CEDAR CREEK SSES - NEIGHBORHOOD MEETINGS/MATERIALS                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892905  | CEDAR CREEK SSES - SIGNAGE/DOOR HANGERS               | 0%                  | CEDAR CREEK SSES - SIGNAGE/DOOR HANGERS                           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892906  | CEDAR CREEK SSES -DATA ENTRY FORMS/FIELD MAPPING      | 0%                  | CEDAR CREEK SSES -DATA ENTRY FORMS/FIELD MAPPING                  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892907  | CEDAR CREEK SSES - DATA QA/QC, ANALYSIS, DEFECT ID... | 0%                  | CEDAR CREEK SSES - DATA QA/QC, ANALYSIS, DEFECT ID/REPRESENTATION |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892908  | CEDAR CREEK SSES - DRAFT BASIN REPORTS EDSSEL PS      | 0%                  | CEDAR CREEK SSES - DRAFT BASIN REPORTS EDSSEL PS                  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892909  | CEDAR CREEK SSES - DRAFT BASIN REPORTS LITTLE CE...   | 0%                  | CEDAR CREEK SSES - DRAFT BASIN REPORTS LITTLE CEDAR CREEK         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892910  | CEDAR CREEK SSES - REPORT AND RECOMMENDATIONS         | 0%                  | CEDAR CREEK SSES - REPORT AND RECOMMENDATIONS                     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892911  | CEDAR CREEK SSES - PROJECT COORDINATION               | 0%                  | CEDAR CREEK SSES - PROJECT COORDINATION                           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892912  | CEDAR CREEK SSES - MONTHLY MEETINGS/PM REPORT         | 0%                  | CEDAR CREEK SSES - MONTHLY MEETINGS/PM REPORT                     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892913  | CEDAR CREEK SSES - EXPENSES                           | 0%                  | CEDAR CREEK SSES - EXPENSES                                       |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H093892914  | CEDAR CREEK SSES - TESTING, CLEANING, INSPECTIONS...  | 0%                  | CEDAR CREEK SSES - TESTING, CLEANING, INSPECTIONS, ETC            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| <b>CENTRAL REGION EMERGENCY GENERATOR PHASE III</b> |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H100834000  | CENTRAL REGION EMERG GENERATOR PH3 - AD DATE          | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H100834050  | CENTRAL REGION EMERG GENERATOR PH3 - BID OPEN         | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H100834500  | CENTRAL REGION EMERG GENERATOR PH3 - AWARD            | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| H100836000  | CENTRAL REGION EMERG GENERATOR PH3-CONST              | 10%                 | CENTRAL REGION EMERG GENERATOR PH3-CONST                          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| <b>CHARLESWOOD SUBDIVISION INT. #23</b>             |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| C941030500  | CHARLESWOOD SUBD. INT. #23 - CONS. SEL.               | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| C941031000  | CHARLESWOOD SUBD. INT. #23 - DESIGN                   | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| C941032000  | CHARLESWOOD SUBD. INT. #23 - DESIGN                   | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |
| C941032005  | CHARLESWOOD SUBD. INT. #23 - NTP                      | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |  |  |  |

█ Remaining Level of Effort   
 █ Remaining Work   
 █ Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 █ % Complete



| Activity ID                      | Activity Name                        | Physical % Complete | April 2010                           |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | Oct 2010 |    |    |                                      |  |
|----------------------------------|--------------------------------------|---------------------|--------------------------------------|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|----------|----|----|--------------------------------------|--|
|                                  |                                      |                     | 04                                   | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19       | 26 | 03 |                                      |  |
|                                  |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| <b>CMOM DATA FY11</b>            |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093541000                       | CMOM DATA FY11 - PLANNING            | 0%                  |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    | CMOM DATA FY11 - PLANNING            |  |
| <b>CMOM FLOW MONITORING FY10</b> |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093471000                       | CMOM FLOW MONITORING FY10 - PLANNING | 0%                  | CMOM FLOW MONITORING FY10 - PLANNING |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| <b>CMOM FLOW MONITORING FY11</b> |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093611000                       | CMOM FLOW MONITORING FY11 - PLANNING | 0%                  |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    | CMOM FLOW MONITORING FY11 - PLANNING |  |
| <b>CMOM FOG FY10</b>             |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093361000                       | CMOM FOG FY10 - PLANNING             | 0%                  | CMOM FOG FY10 - PLANNING             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| <b>CMOM FOG FY11</b>             |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093501000                       | CMOM FOG FY11 - PLANNING             | 0%                  |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    | CMOM FOG FY11 - PLANNING             |  |
| <b>CMOM GENERATORS FY10</b>      |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093371000                       | CMOM GENERATORS FY10 - PLANNING      | 0%                  | CMOM GENERATORS FY10 - PLANNING      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| <b>CMOM GENERATORS FY11</b>      |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093511000                       | CMOM GENERATORS FY11 - PLANNING      | 0%                  |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    | CMOM GENERATORS FY11 - PLANNING      |  |
| <b>CMOM GIS SUPPORT FY10</b>     |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093421000                       | CMOM GIS SUPPORT FY10 - PLANNING     | 0%                  | CMOM GIS SUPPORT FY10 - PLANNING     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| <b>CMOM GIS SUPPORT FY11</b>     |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093561000                       | CMOM GIS SUPPORT FY11 - PLANNING     | 0%                  |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    | CMOM GIS SUPPORT FY11 - PLANNING     |  |
| <b>CMOM PM ASSISTANCE FY10</b>   |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093491000                       | CMOM PM ASSISTANCE FY10 - PLANNING   | 0%                  | CMOM PM ASSISTANCE FY10 - PLANNING   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| <b>CMOM PM ASSISTANCE FY11</b>   |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093631000                       | CMOM PM ASSISTANCE FY11 - PLANNING   | 0%                  |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    | CMOM PM ASSISTANCE FY11 - PLANNING   |  |
| <b>CMOM PRE/POST FM FY10</b>     |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093481000                       | CMOM PRE/POST FM FY10 - PLANNING     | 0%                  | CMOM PRE/POST FM FY10 - PLANNING     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| <b>CMOM PRE/POST FM FY11</b>     |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093621000                       | CMOM PRE/POST FM FY11 - PLANNING     | 0%                  |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    | CMOM PRE/POST FM FY11 - PLANNING     |  |
| <b>CMOM PS UPGRADES FY10</b>     |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093381000                       | CMOM PS UPGRADES FY10 - PLANNING     | 0%                  | CMOM PS UPGRADES FY10 - PLANNING     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| <b>CMOM PS UPGRADES FY11</b>     |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093521000                       | CMOM PS UPGRADES FY11 - PLANNING     | 0%                  |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    | CMOM PS UPGRADES FY11 - PLANNING     |  |
| <b>CMOM REPORTING FY10</b>       |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093411000                       | CMOM REPORTING FY10 - PLANNING       | 0%                  | CMOM REPORTING FY10 - PLANNING       |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| <b>CMOM REPORTING FY11</b>       |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093551000                       | CMOM REPORTING FY11 - PLANNING       | 0%                  |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    | CMOM REPORTING FY11 - PLANNING       |  |
| <b>CMOM SCAP FY10</b>            |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093441000                       | CMOM SCAP FY10 - PLANNING            | 0%                  | CMOM SCAP FY10 - PLANNING            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| <b>CMOM SCAP FY11</b>            |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093581000                       | CMOM SCAP FY11 - PLANNING            | 0%                  |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    | CMOM SCAP FY11 - PLANNING            |  |
| <b>CMOM WEB PORTAL FY10</b>      |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093451000                       | CMOM WEB PORTAL FY10 - PLANNING      | 0%                  | CMOM WEB PORTAL FY10 - PLANNING      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| <b>CMOM WEB PORTAL FY11</b>      |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093591000                       | CMOM WEB PORTAL FY11 - PLANNING      | 0%                  |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    | CMOM WEB PORTAL FY11 - PLANNING      |  |
| <b>CMOM WWTP WO FY10</b>         |                                      |                     |                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |
| H093391000                       | CMOM WWTP WO FY10 - PLANNING         | 0%                  | CMOM WWTP WO FY10 - PLANNING         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |                                      |  |

Remaining Level of Effort
  Remaining Work
  Milestone
  % Complete

Actual Work
  Critical Remaining Work



| Activity ID  | Activity Name   | Physical % Complete | April 2010  |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    | Oct 2010 |    |                              |    |  |
|--|---|---------------------|---|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----------|----|------------------------------|----|--|
|  |   |                     | 04  | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12       | 19 | 26                           | 03 |  |
|  |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| <b>CMOM WWTP WO FY11</b>                                     |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H093531000   | CMOM WWTP WO FY11 - PLANNING                          | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    | CMOM WWTP WO FY11 - PLANNING |    |  |
| <b>CONSENT DECREE - LONG TERM CONTROL PLAN (LTCP)</b>        |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242901   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242902   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242903   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242904   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242905   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242906   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242907   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242908   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242909   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242910   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242911   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242912   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091242913   | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091262902   | 27TH STREET FLOOD PUMP STATION - MEETINGS             | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091262903   | 27TH STREET FLOOD PUMP STATION - SITE VISITS, SURV... | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091262904   | 27TH STREET FLOOD PUMP STATION - DESIGN               | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091262905   | 27TH STREET FLOOD PUMP STATION - DRAWING PREPAR...    | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091262906   | 27TH STREET FLOOD PUMP STATION - SPECIFICATIONS       | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091262907   | 27TH STREET FLOOD PUMP STATION - COST ESTIMATE        | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091262908   | 27TH STREET FLOOD PUMP STATION - BIDDING ASSISTAN...  | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091272901   | STORY AVE & MAIN ST STORAGE BASIN- COMPLETE ALTE...   | 0%                  | STORY AVE & MAIN ST STORAGE BASIN- COMPLETE ALTERNATIVE STUDY                                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091272902   | STORY AVE & MAIN ST STORAGE BASIN- COMPLETE REP...    | 0%                  | STORY AVE & MAIN ST STORAGE BASIN- COMPLETE REPORT AND SELECTIVE ALTERNATIVE SUBMITTAL TO MSD |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091352901   | ADAMS STREET STORAGE BASIN - ANALYZE DESIGN ALT...    | 0%                  | ADAMS STREET STORAGE BASIN - ANALYZE DESIGN ALTERNATIVES                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H094322901   | GI CAMPBELL & MAIN ALLEY - DRILLING                   | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H094328050   | GI CAMPBELL & MAIN ALLEY - CD CERTIFY                 | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| <b>CONSENT DECREE - SANITARY SEWER DISCHARGE PLAN (SSDP)</b> |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| B062082917   | SHIVELY- ADDITIONAL DESIGN SERVICES                   | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H072882909   | BUECHEL BASIN ADDITIONAL DESIGN SERVICES              | 0%                  | BUECHEL BASIN ADDITIONAL DESIGN SERVICES  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H095612901   | DRGWQTC: WET WEATHER TREATMENT FACILITY- PM/IN...     | 0%                  | DRGWQTC: WET WEATHER TREATMENT FACILITY- PM/INV/ANALYSIS                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H095612902   | DRGWQTC: WET WEATHER TREATMENT FACILITY- PRELI...     | 0%                  | DRGWQTC: WET WEATHER TREATMENT FACILITY- PRELIM DEVELOPMENT                                   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H095612903   | DRGWQTC: WET WEATHER TREATMENT FACILITY- CONS...      | 0%                  | DRGWQTC: WET WEATHER TREATMENT FACILITY- CONSTRUCTION PLANS                                   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H095612904   | DRGWQTC: WET WEATHER TREATMENT FACILITY- BIDDI...     | 0%                  | DRGWQTC: WET WEATHER TREATMENT FACILITY- BIDDING ASSISTANCE                                   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| <b>CONSENT DECREE REPORTING</b>                              |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| R000001000   | CONSENT DECREE REPORTING                              | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| R000002923   | QUARTERLY PROGRESS RPT - 2ND QTR 2010                 | 0%                  | ◆ QUARTERLY PROGRESS RPT - 2ND QTR 2010   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| <b>CPE/CCP MODIFICATIONS TO WWTP</b>                         |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H092212000   | CPE/CCP MODIFICATIONS TO WWTP - DESIGN                | 70%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| <b>CSO 108 DAM MODIFICATIONS</b>                             |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091282000   | CSO 108 DAM MODIFICATIONS - DESIGN                    | 60%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091284000   | CSO 108 DAM MODIFICATIONS - AD DATE                   | 0%                  | CSO 108 DAM MODIFICATIONS - AD DATE   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091284050   | CSO 108 DAM MODIFICATIONS - BID OPEN                  | 0%                  | ◆ CSO 108 DAM MODIFICATIONS - BID OPEN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091284500   | CSO 108 DAM MODIFICATIONS - AWARD                     | 0%                  | ◆ CSO 108 DAM MODIFICATIONS - AWARD   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |
| H091286000   | CSO 108 DAM MODIFICATIONS - CONSTRUCTION              | 0%                  | CSO 108 DAM MODIFICATIONS - CONSTRUCTION  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |                              |    |  |

Remaining Level of Effort
  Remaining Work
  Milestone
  Critical Remaining Work
  % Complete

| Activity ID   | Activity Name   | Physical % Complete | IOAP Quarterly Report Chart   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
|---|---|---------------------|---|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|--------------|----|----|--|
|   |   |                     | April 2010  |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | October 2010 |    |    |  |
|   |   |                     | 04  | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19           | 26 | 03 |  |
| <b>CSO 206 SEWER SEPARATION</b>                           |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091312000  | CSO 206 SEWER SEPARATION - DESIGN                     | 10%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>CSO 58 SEWER SEPARATION</b>                            |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091302000  | CSO 58 SEWER SEPARATION - DESIGN                      | 0%                  | CSO 58 SEWER SEPARATION - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>DERINGTON COURT PUMP STATION I&amp;I INVESTIGATION</b> |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091902000  | DERINGTON CT PUMP STATION I&I INVESTIGATION - DESI... | 0%                  | DERINGTON CT PUMP STATION I&I INVESTIGATION - DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>DOWNSPOUT DISCONNECT CSO 123</b>                       |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| I042472000  | DOWNSPOUT DISCONNECT CSO 123 - DESIGN                 | 0%                  | DOWNSPOUT DISCONNECT CSO 123 - DESIGN   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>DOWNSPOUT DISCONNECT CSO 206</b>                       |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| I042492000  | DOWNSPOUT DISCONNECT CSO 206 - DESIGN                 | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| I042492901  | DOWNSPOUT DISCONNECT CSO 206 - CLOSURE STARTUP        | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| I042494000  | DOWNSPOUT DISCONNECT CSO 206 PHASE 1 - AD DATE        | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| I042494050  | DOWNSPOUT DISCONNECT CSO 206 PHASE 1 - BID OPEN       | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| I042494500  | DOWNSPOUT DISCONNECT CSO 206 PHASE 1 - AWARD          | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| I042496000  | DOWNSPOUT DISCONNECT CSO 206 PHASE 1 - CONST          | 90%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| I042496900  | DOWNSPOUT DISCONNECT CSO 206 P1- SUBST COMPLETE       | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>DRG WQTC FACILITIES PLAN AMENDMENT</b>                 |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H101331000  | DRG WQTC FACILITIES PLAN AMENDMENT - PLANNING         | 0%                  | DRG WQTC FACILITIES PLAN AMENDMENT - PLANNING   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H101334000  | DRG WQTC FACILITIES PLAN AMENDMENT - AD DATE          | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H101334050  | DRG WQTC FACILITIES PLAN AMENDMENT - BID OPEN         | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H101334500  | DRG WQTC FACILITIES PLAN AMENDMENT - AWARD            | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H101336000  | DRG WQTC FACILITIES PLAN AMENDMENT - CONST            | 0%                  | DRG WQTC FACILITIES PLAN AMENDMENT - CONST  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>DRGWQTC: BLOWER PACKAGE</b>                            |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095622914  | DRG: BLOWER REPL - DRAFT INSTALLATION DRAWINGS        | 0%                  | DRG: BLOWER REPL - DRAFT INSTALLATION DRAWINGS  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095622915  | DRG: BLOWER REPL - FINAL INSTALLATION DRAWINGS        | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095622916  | BLOWER INSTALL AD DATE                                | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095622917  | BLOWER INSTALL - BID OPEN                             | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095624000  | DRGWQTC: BLOWER EQUIPMENT PKG - AD DATE               | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095624050  | DRGWQTC: BLOWER EQUIPMENT PKG - BID OPEN              | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095624500  | DRGWQTC: BLOWER EQUIPMENT PKG - AWARD                 | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>DRGWQTC: WET WEATHER TREATMENT FACILITY</b>            |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095613000  | DRGWQTC: WET WEATHER TREATMENT FACILITY-ESM'TS        | 10%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095614000  | DRGWQTC: WET WEATHER TREATMENT FACILITY- AD DA...     | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095614050  | DRGWQTC: WET WEATHER TREATMENT FACILITY-BID OP...     | 100%                | DRGWQTC: WET WEATHER TREATMENT FACILITY-BID OPEN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095614500  | DRGWQTC: WET WEATHER TREATMENT FACILITY- AWARD        | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H095616000  | DRGWQTC: WET WEATHER TREATMENT FACILITY- CONS...      | 0%                  | DRGWQTC: WET WEATHER TREATMENT FACILITY- AWARD<br>DRGWQTC: WET WEATHER TREATMENT FACILITY- CONSTR |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>DRGWQTC: WW FLOW EQUALIZATION &amp; TREATMENT</b>      |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063021000  | WCWTP: WW FLOW EQ & TREATMENT - PRELIM ENG'G          | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063021001  | WCWTP: WW FLOW EQ & TREATMENT - NTP                   | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063022000  | WCWTP: WW FLOW EQ & TREATMENT - DESIGN                | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063022001  | DRGWQTC: WET WEATHER TRMT FAC-NTP                     | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063022901  | WCWTP: WW FLOW EQ & TREATMENT - KICK OFF MTG          | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063022903  | WCWTP: WW FLOW EQ & TREATMENT - TM REGS & PERMIT      | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063022904  | WCWTP: WW FLOW EQ & TREATMENT - TM FLOWS & LOA...     | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063022905  | WCWTP: WW FLOW EQ & TREATMENT-100% PROCESS AL...      | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063022906  | WCWTP: WW FLOW EQ & TREATMENT - TM SELECTED AL...     | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |



| Activity ID | Activity Name                                     | Physical % Complete | April 2010 |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    | Oct 2010 |    |    |
|-------------|---|---------------------|------------|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----------|----|----|
|             |   |                     | 04         | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12       | 19 | 26 |
| H063022907  | WCWTP: WW FLOW EQ & TREATMENT - TM SITE ASSMT     | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022908  | WCWTP: WW FLOW EQ & TREATMENT - TM COST ESTIMA... | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022909  | WCWTP: WW FLOW EQ & TREATMENT - TM PD EVALUATI... | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022910  | WCWTP: WW FLOW EQ & TREATMENT - FINAL REPORT      | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022912  | DRG: BLOWER REPL - DRAFT SPECIFICATIONS           | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022913  | DRG: BLOWER REPL - FINAL SPECIFICATIONS           | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022916  | DRGWQTC: WET WEATHER TRMT FAC-GEOTECH             | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022917  | DRGWQTC: WET WEATHER TRMT FAC-OPS STRATEGY TM     | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022918  | DRGWQTC: WET WEATHER TRMT FAC-PROGRESS RPT 3      | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022919  | DRGWQTC: WET WEATHER TRMT FAC-60% SUBMITTAL       | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022920  | DRGWQTC: WET WEATHER TRMT FAC-KDOW SUBMITTAL      | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022921  | DRGWQTC: WET WEATHER TRMT FAC-PROGRESS RPT 6      | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022922  | DRGWQTC: WET WEATHER TRMT FAC-PROGRESS RPT 7      | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022923  | DRGWQTC: WET WEATHER TRMT FAC-KDOW COMMENT ...    | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022924  | DRGWQTC: WET WEATHER TRMT FAC-90% SUBMITTAL       | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022925  | DRGWQTC: WET WEATHER TRMT FAC-100% SUBMITTAL      | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022926  | DRGWQTC: WET WEATHER TRMT FAC-BID ASSISTANCE      | 95%                 |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022927  | DRGWQTC: WET WEATHER TRMT FAC-BID EVALUATION      | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022928  | DRGWQTC: PUMP PKG - PROJECT MANAGEMENT            | 95%                 |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022929  | DRGWQTC: PUMP PKG - SUBSURFACE INVESTIGATION      | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022930  | DRGWQTC: PUMP PKG - SITE SURVEY                   | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022932  | DRGWQTC: PUMP PKG - PRELIM ENGINEERING UPDATES    | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022933  | DRGWQTC: PUMP PKG - EQUIPMENT PREPURCHASE         | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022934  | DRGWQTC: PUMP PKG - HM - NTP FOR EXISTING PS HYD  | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022935  | DRGWQTC: PUMP PKG - HM - NTP FOR NEW PS           | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022936  | DRGWQTC: PUMP PKG-HM-TEST'G COMP FOR EXIST'G PS   | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022937  | DRGWQTC: PUMP PKG-HM-TEST'G COMP FOR NEW PS       | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022938  | DRGWQTC: PUMP PKG-HM-FINAL RPT FOR EXISTING PS    | 50%                 |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022939  | DRGWQTC: PUMP PKG-HM-FINAL RPT FOR NEW PS         | 20%                 |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022940  | DRGWQTC: PUMP PKG - CFD SET-UP                    | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022941  | DRGWQTC: PUMP PKG - CFD FINAL REPORT              | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022942  | DRGWQTC: PUMP PKG - PROC/MECH 60% COMPLETE        | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022943  | DRGWQTC: PUMP PKG - STRUCTURAL 60% COMPLETE       | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022944  | DRGWQTC: PUMP PKG - COMPLETE 60% SUBMITTAL        | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022945  | DRGWQTC: PUMP PKG - 90% DESIGN                    | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022946  | DRGWQTC: PUMP PKG - 100% DESIGN                   | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022947  | DRGWQTC: PUMP PKG - BID ASSIST                    | 95%                 |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022950  | DRGWQTC: EQUALIZATION BASIN - MONTHLY REPORT #1   | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022951  | DRGWQTC: EQUALIZATION BASIN - FIELD SURVEY        | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022952  | DRGWQTC: EQUALIZATION BASIN - 30% DESIGN          | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022953  | DRGWQTC: EQUALIZATION BASIN - 60% DESIGN          | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022954  | DRGWQTC: EQUALIZATION BASIN - MONTHLY REPORT #2   | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022955  | DRGWQTC: EQUALIZATION BASIN - 90% DESIGN          | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022956  | DRGWQTC: EQUALIZATION BASIN - MONTHLY REPORT #3   | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022957  | DRGWQTC: EQUALIZATION BASIN - 100% DESIGN         | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063022962  | DRGWQTC: EQ BASIN EASEMENT ACQUISITION            | 50%                 |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |
| H063023000  | DRGWQTC: WW FLOW EQUAL & TREATMENT- ESMTS         | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |



| Activity ID   | Activity Name  | Physical % Complete | IOAP Quarterly Report Chart                          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
|---|--|---------------------|--|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|--------------|----|----|--|
|   |  |                     | April 2010   |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | October 2010 |    |    |  |
|   |  |                     | 04   | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19           | 26 | 03 |  |
| H063024000  | DRGWQTC: PUMPING PACKAGE - AD DATE                   | 100%                | PUMPING PACKAGE - AD DATE                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063024050  | DRGWQTC: PUMPING PACKAGE - BID OPEN                  | 100%                | PUMPING PACKAGE - BID OPEN                           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063024500  | DRGWQTC: PUMPING PACKAGE - AWARD                     | 100%                | PUMPING PACKAGE - AWARD                              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H063026000  | DRGWQTC: PUMPING PACKAGE - CONSTRUCT                 | 0%                  | PUMPING PACKAGE - CONSTRUCT                          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>EAST REGION EMERGENCY GENERATOR PHASE III</b>              |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H100824000  | EAST REGION EMERG GENERATORS PH3 - AD DATE           | 100%                | EAST REGION EMERG GENERATORS PH3 - AD DATE           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H100824050  | EAST REGION EMERG GENERATORS PH3 - BID OPEN          | 100%                | EAST REGION EMERG GENERATORS PH3 - BID OPEN          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H100824500  | EAST REGION EMERG GENERATORS PH3 - AWARD             | 100%                | EAST REGION EMERG GENERATORS PH3 - AWARD             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H100826000  | EAST REGION EMERG GENERATORS PH3-CONST               | 80%                 | EAST REGION EMERG GENERATORS PH3-CONST               |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>EAST ROCKFORD LANE PS RELOCATION</b>                       |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| A090912000  | EAST ROCKFORD LANE PS RELOCATION - DESIGN            | 95%                 | EAST ROCKFORD LANE PS RELOCATION - DESIGN            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| A090912901  | EAST ROCKFORD LN PS RELOC 10% DESIGN                 | 100%                | EAST ROCKFORD LN PS RELOC 10% DESIGN                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| A090912902  | EAST ROCKFORD LN PS RELOC 30% DESIGN                 | 100%                | EAST ROCKFORD LN PS RELOC 30% DESIGN                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| A090912903  | EAST ROCKFORD LN PS RELOC 60% DESIGN                 | 100%                | EAST ROCKFORD LN PS RELOC 60% DESIGN                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| A090912904  | EAST ROCKFORD LN PS RELOC 90% DESIGN                 | 100%                | EAST ROCKFORD LN PS RELOC 90% DESIGN                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| A090912905  | EAST ROCKFORD LN PS RELOC 100% DESIGN                | 0%                  | EAST ROCKFORD LN PS RELOC 100% DESIGN                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| A090913000  | EAST ROCKFORD LN PS RELOC - EASEMENT                 | 0%                  | EAST ROCKFORD LN PS RELOC - EASEMENT                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| A090914000  | EAST ROCKFORD LANE PS RELOCATION - AD DATE           | 0%                  | EAST ROCKFORD LANE PS RELOCATION - AD DATE           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| A090914050  | EAST ROCKFORD LANE PS RELOCATION - BID OPEN          | 0%                  | EAST ROCKFORD LANE PS RELOCATION - BID OPEN          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| A090914500  | EAST ROCKFORD LANE PS RELOCATION - AWARD             | 0%                  | EAST ROCKFORD LANE PS RELOCATION - AWARD             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| A090916000  | EAST ROCKFORD LANE PS RELOCATION - CONSTRUCTION      | 0%                  | EAST ROCKFORD LANE PS RELOCATION - CONSTRUCTION      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>EAST ROCKFORD SSES</b>                                     |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093931000  | EAST ROCKFORD SSES - PLANNING                        | 100%                | EAST ROCKFORD SSES - PLANNING                        |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093931220  | EAST ROCKFORD SSES REPORT                            | 0%                  | EAST ROCKFORD SSES REPORT                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>EDEN CARE PUMP STATION INLINE STORAGE</b>                  |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091701200  | EDEN CARE PUMP STATION ILS - SSES                    | 0%                  | EDEN CARE PUMP STATION ILS - SSES                    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>EDSEL PUMP STATION I&amp;I INVESTIGATION</b>               |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091971200  | EDSEL PUMP STATION I&I INVESTIGATION - SSES          | 5%                  | EDSEL PUMP STATION I&I INVESTIGATION - SSES          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091971220  | EDSEL PS I&I INVESTIGATION - SSES REPORT             | 0%                  | EDSEL PS I&I INVESTIGATION - SSES REPORT             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091972000  | EDSEL PUMP STATION I&I INVESTIGATION - DESIGN        | 0%                  | EDSEL PUMP STATION I&I INVESTIGATION - DESIGN        |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091973000  | EDSEL PUMP STATION I&I INVESTIGATION - EASEMENT      | 0%                  | EDSEL PUMP STATION I&I INVESTIGATION - EASEMENT      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>FAIRWAY VIEW PUMP STATION IMPROVEMENT</b>                  |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091771200  | FAIRWAY VIEW PUMP STATION IMPROVEMENT - SSES         | 5%                  | FAIRWAY VIEW PUMP STATION IMPROVEMENT - SSES         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>FLOYDSBURGH ROAD I&amp;I INVESTIGATION &amp; REDUCTION</b> |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091721000  | FLOYDSBURGH RD I&I INVESTIG & REDUCTION-SSES PLA...  | 5%                  | FLOYDSBURGH RD I&I INVESTIG & REDUCTION-SSES PLA...  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091722000  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - DE... | 0%                  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - DE... |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091724000  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION- AD ... | 0%                  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION- AD ... |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091724050  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - BI... | 0%                  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - BI... |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091724500  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - A...  | 0%                  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - A...  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091726000  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - CO... | 0%                  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - CO... |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091726900  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - SU... | 0%                  | FLOYDSBURGH RD I&I INVESTIGATION & REDUCTION - SU... |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>FOX HARBOR INLINE STORAGE</b>                              |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091761200  | FOX HARBOR ILS - SSES                                | 0%                  | FOX HARBOR ILS - SSES                                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>FY08 SSOP UPDATE</b>                                       |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H062291000  | FY08 SSOP UPDATE - PLANNING                          | 75%                 | FY08 SSOP UPDATE - PLANNING                          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H062298050  | FY08 SSOP UPDATE - CD CERTIFICATION                  | 100%                | FY08 SSOP UPDATE - CD CERTIFICATION                  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |



| Activity ID                                       | Activity Name                                  | Physical % Complete | IOAP Quarterly Report Chart |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
|---|--|---------------------|-----------------------------|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|----------|----|----|--|
|   |  |                     | April 2010                  |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | Oct 2010 |    |    |  |
|   |  |                     | 04                          | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19       | 26 | 03 |  |
| <b>FY09 BGC/OR LTCP</b>                           |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| I062331000  | FY09 BGC/OR LTP - PLANNING                     | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| I062338050  | FY09 BGC/OR LTP - CD CERTIFICATION             | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>FY09 I&amp;I REDUCTION PROGRAM</b>             |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H092026000  | FY09 I/I REDUCTION PROGRAM - CONSTRUCTION      | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>FY09 SSOP UPDATE</b>                           |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H062321000  | FY09 SSOP UPDATE - PLANNING                    | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H062328050  | FY09 SSOP UPDATE - CD CERTIFICATION            | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>FY10 GREEN INFRASTRUCTURE PROJECTS</b>         |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091486000  | FY10 GREEN INFRASTRUCTURE PROJECTS - PLANNING  | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>FY10 I&amp;I REDUCTION PROGRAM</b>             |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H092036000  | FY10 I/I REDUCTION PROGRAM - CONSTRUCTION      | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>FY10 REGULATORY ASSISTANCE &amp; REPORTING</b> |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H101321000  | FY10 REGULATORY ASSIST & REPORTING - PLANNING  | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>FY11 GREEN INFRASTRUCTURE PROJECTS</b>         |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091496000  | FY11 GREEN INFRASTRUCTURE PROJECTS - PLANNING  | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>FY11 I&amp;I REDUCTION PROGRAM</b>             |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H092046000  | FY11 I/I REDUCTION PROGRAM - CONSTRUCTION      | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI 12th &amp; JEFFERSON GREEN STREET</b>       |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094336000  | GI 12TH & JEFFERSON GREEN STREET - PLANNING    | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094338050  | GI 12TH & JEFFERSON GREEN STREET - CD CERTIFY  | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI 17th &amp; HILL ALLEY</b>                   |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094301000  | GI 17TH & HILL ALLEY - PLANNING                | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094308050  | GI 17TH & HILL ALLEY - CD CERTIFY              | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI 2nd &amp; BROADWAY PARKING LOT</b>          |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094261000  | GI 2ND & BROADWAY PARKING LOT - PLANNING       | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094268050  | GI 2ND & BROADWAY PARKING LOT - CD CERTIFY     | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI 3rd &amp; ORMSBY BIOSWALE</b>               |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094271000  | GI 3RD & ORMSBY BIOSWALE - PLANNING            | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094278050  | GI 3RD & ORMSBY BIOSWALE - CD CERTIFY          | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI 6th &amp; BROADWAY RAIN GARDEN</b>          |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094296000  | GI 6TH & BROADWAY RAIN GARDEN - PLANNING       | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094298050  | GI 6TH & BROADWAY RAIN GARDEN - CD CERTIFY     | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI 6th &amp; MUHAMMAD ALI PARKING LOT</b>      |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094286000  | GI 6TH & MUHAMMAD ALI PARKING LOT - PLANNING   | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094288050  | GI 6TH & MUHAMMAD ALI PARKING LOT - CD CERTIFY | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI 7th &amp; CEDAR PARKING LOT</b>             |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094251000  | GI 7TH & CEDAR PARKING LOT - PLANNING          | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI 7th &amp; MARKET ALLEY</b>                  |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094311000  | GI 7TH & MARKET ALLEY - PLANNING               | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094318050  | GI 7TH & MARKET ALLEY - CD CERTIFY             | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI ADD'L RAIN GARDENS PH 1 FY10</b>            |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H100391000  | GI ADD'L RAIN GARDENS PH 1 FY10 - PLANNING     | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI ADD'L RAIN GARDENS PH 1 FY11</b>            |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H100411000  | GI ADD'L RAIN GARDENS PH 1 FY11 - PLANNING     | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |



| Activity ID                            | Activity Name  | Physical % Complete | IOAP Quarterly Report Chart                                    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
|--|--|---------------------|--|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|--------------|----|----|--|
|  |  |                     | April 2010   |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | October 2010 |    |    |  |
|  |  |                     | 04   | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19           | 26 | 03 |  |
| <b>GI ADD'L RAIN GARDENS PH 2 FY10</b> |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H100401000                             | GI ADD'L RAIN GARDENS PH 2 FY10 - PLANNING           | 0%                  | GI ADD'L RAIN GARDENS PH 2 FY10 - PLANNING                     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI ADD'L RAIN GARDENS PH 2 FY11</b> |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H100421000                             | GI ADD'L RAIN GARDENS PH 2 FY11 - PLANNING           | 0%                  | GI ADD'L RAIN GARDENS PH 2 FY11 - PLANNING                     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI ALLEYS FY09</b>                  |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094131000                             | GI ALLEYS FY09 - PLANNING                            | 0%                  | GI ALLEYS FY09 - PLANNING                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI ALLEYS FY10</b>                  |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094181000                             | GI ALLEYS FY10 - PLANNING                            | 0%                  | GI ALLEYS FY10 - PLANNING                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI ALLEYS FY11</b>                  |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094361000                             | GI ALLEYS FY11 - PLANNING                            | 0%                  | GI ALLEYS FY11 - PLANNING                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI CAMPBELL &amp; MAIN ALLEY</b>    |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094322902                             | GI CAMPBELL & MAIN ALLEY - AMEC FIELD PERSONNEL A... | 0%                  | GI CAMPBELL & MAIN ALLEY - AMEC FIELD PERSONNEL AND MANAGEMENT |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094326000                             | GI CAMPBELL & MAIN ALLEY - PLANNING                  | 0%                  |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI I-264 &amp; GIBSON DRY WELL</b>  |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094441000                             | GI I-264 & GIBSON DRY WELL - PLANNING                | 0%                  | GI I-264 & GIBSON DRY WELL - PLANNING                          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI I-264 OFF-RAMP DRY WELL</b>      |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094421000                             | GI I-264 OFF-RAMP DRY WELL - PLANNING                | 0%                  | GI I-264 OFF-RAMP DRY WELL - PLANNING                          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI I-264 ON-RAMP DRY WELL</b>       |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094431000                             | GI I-264 ON-RAMP DRY WELL - PLANNING                 | 0%                  | GI I-264 ON-RAMP DRY WELL - PLANNING                           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI JFK MONTESSORI AREA DRY WELL</b> |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094461000                             | GI JFK MONTESSORI AREA DRY WELL - PLANNING           | 0%                  | GI JFK MONTESSORI AREA DRY WELL - PLANNING                     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI MSD MO BIOSWALE</b>              |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094241000                             | GI MSD MO BIOSWALE - PLANNING                        | 0%                  |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094248050                             | GI MSD MO BIOSWALE - CD CERTIFY                      | 0%                  | ◆ GI MSD MO BIOSWALE - CD CERTIFY                              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI PARKING PUBLIC FY09</b>          |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094151000                             | GI PARKING PUBLIC FY09 - PLANNING                    | 0%                  | GI PARKING PUBLIC FY09 - PLANNING                              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI PARKING PUBLIC FY10</b>          |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094221000                             | GI PARKING PUBLIC FY10 - PLANNING                    | 0%                  | GI PARKING PUBLIC FY10 - PLANNING                              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI PARKING PUBLIC FY11</b>          |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094391000                             | GI PARKING PUBLIC FY11 - PLANNING                    | 0%                  | GI PARKING PUBLIC FY11 - PLANNING                              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI PORTLAND MUSEUM</b>              |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H101822000                             | GI PORTLAND MUSEUM - DESIGN                          | 0%                  | GI PORTLAND MUSEUM - DESIGN                                    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H101826000                             | GI PORTLAND MUSEUM - CONSTRUCTION                    | 0%                  | GI PORTLAND MUSEUM - CONSTRUCTION                              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI PUBLIC DRY WELLS FY10</b>        |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094231000                             | GI PUBLIC DRY WELLS FY10 - PLANNING                  | 0%                  | GI PUBLIC DRY WELLS FY10 - PLANNING                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI PUBLIC DRY WELLS FY11</b>        |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094401000                             | GI PUBLIC DRY WELLS FY11 - PLANNING                  | 0%                  | GI PUBLIC DRY WELLS FY11 - PLANNING                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI RAIN BARRELS FY10</b>            |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094191000                             | GI RAIN BARRELS FY10 - PLANNING                      | 0%                  | GI RAIN BARRELS FY10 - PLANNING                                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI RAIN BARRELS FY11</b>            |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094371000                             | GI RAIN BARRELS FY11 - PLANNING                      | 0%                  | GI RAIN BARRELS FY11 - PLANNING                                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI RAIN GARDENS FY10</b>            |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094201000                             | GI RAIN GARDENS FY10 - PLANNING                      | 0%                  | GI RAIN GARDENS FY10 - PLANNING                                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>GI RAIN GARDENS FY11</b>            |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094411000                             | GI RAIN GARDENS FY11 - PLANNING                      | 0%                  | GI RAIN GARDENS FY11 - PLANNING                                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |

█ Remaining Level of Effort   
 █ Remaining Work   
 █ Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 █ % Complete

| Activity ID   | Activity Name                                  | Physical % Complete | IOAP Quarterly Report Chart                    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
|---|--|---------------------|--|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|----------|----|----|--|
|   |  |                     | April 2010                                     |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | Oct 2010 |    |    |  |
|   |  |                     | 04   | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19       | 26 | 03 |  |
| <b>GI ROOFS PUBLIC FY09</b>                                     |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094111000  | GI ROOFS PUBLIC FY09 - PLANNING                | 0%                  | GI ROOFS PUBLIC FY09 - PLANNING                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI ROOFS PUBLIC FY10</b>                                     |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094161000  | GI ROOFS PUBLIC FY10 - PLANNING                | 0%                  | GI ROOFS PUBLIC FY10 - PLANNING                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI ROOFS PUBLIC FY11</b>                                     |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094341000  | GI ROOFS PUBLIC FY11 - PLANNING                | 0%                  | GI ROOFS PUBLIC FY11 - PLANNING                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI RUSSELL LEE DRIVE DRY WELL</b>                            |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094451000  | GI RUSSELL LEE DRIVE DRY WELL - PLANNING       | 0%                  | GI RUSSELL LEE DRIVE DRY WELL - PLANNING       |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI STREETS FY09</b>  |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094121000  | GI STREETS FY09 - PLANNING                     | 0%                  | GI STREETS FY09 - PLANNING                     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI STREETS FY10</b>  |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094171000  | GI STREETS FY10 - PLANNING                     | 0%                  | GI STREETS FY10 - PLANNING                     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI STREETS FY11</b>  |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094351000  | GI STREETS FY11 - PLANNING                     | 0%                  | GI STREETS FY11 - PLANNING                     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI URBAN REFORESTATION FY09</b>                              |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094141000  | GI URBAN REFORESTATION FY09 - PLANNING         | 0%                  | GI URBAN REFORESTATION FY09 - PLANNING         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI URBAN REFORESTATION FY10</b>                              |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094211000  | GI URBAN REFORESTATION FY10 - PLANNING         | 0%                  | GI URBAN REFORESTATION FY10 - PLANNING         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GI URBAN REFORESTATION FY11</b>                              |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094381000  | GI URBAN REFORESTATION FY11 - PLANNING         | 0%                  | GI URBAN REFORESTATION FY11 - PLANNING         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GOVERNMENT CENTER PUMP STATION WET WEATHER STORAGE BASIN</b> |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091942000  | GOVERNMENT CENTER PS WW STORAGE - DESIGN       | 0%                  | GOVERNMENT CENTER PS WW STORAGE - DESIGN       |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091943000  | GOVERNMENT CENTER PS WW STORAGE - EASEMENT     | 0%                  | GOVERNMENT CENTER PS WW STORAGE - EASEMENT     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091944000  | GOVERNMENT CENTER PS WW STORAGE - AD DATE      | 0%                  | GOVERNMENT CENTER PS WW STORAGE - AD DATE      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091944050  | GOVERNMENT CENTER PS WW STORAGE - BID OPEN     | 0%                  | GOVERNMENT CENTER PS WW STORAGE - BID OPEN     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091944500  | GOVERNMENT CENTER PS WW STORAGE - AWARD        | 0%                  | GOVERNMENT CENTER PS WW STORAGE - AWARD        |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>GUNPOWDER PUMP STATION INLINE STORAGE</b>                    |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H092421200  | GUNPOWDER PUMP STATION ILS - SSES              | 10%                 | GUNPOWDER PUMP STATION ILS - SSES              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>HARRODS CREEK INT PHASE II</b>                               |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492005  | PRELIMINARY FIELD WALK-THRU                    | 100%                | PRELIMINARY FIELD WALK-THRU                    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492040  | OBTAIN UTILITY COMMENTS                        | 100%                | OBTAIN UTILITY COMMENTS                        |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492045  | FEILD WALK-THRU TO REVIEW UTILITY COMMENTS     | 100%                | FEILD WALK-THRU TO REVIEW UTILITY COMMENTS     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492055  | MSD PLAN & PLAT REVIEW                         | 100%                | MSD PLAN & PLAT REVIEW                         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492070  | REVISE PLANS/PLATS PER MSD COMMENTS            | 100%                | REVISE PLANS/PLATS PER MSD COMMENTS            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492090  | HARRODS CRK INT PHASE II - PLATS               | 100%                | HARRODS CRK INT PHASE II - PLATS               |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492901  | 50% SURVEY COMPLETE                            | 100%                | 50% SURVEY COMPLETE                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492902  | 30% PLANS SUBMITTAL                            | 100%                | 30% PLANS SUBMITTAL                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492903  | 50% PLAN UTILITY SUBMITTAL                     | 100%                | 50% PLAN UTILITY SUBMITTAL                     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492904  | 80% PLANS SUBMITTAL                            | 100%                | 80% PLANS SUBMITTAL                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492905  | 100% PLANS & CONTRACT DOCUMENTS                | 100%                | 100% PLANS & CONTRACT DOCUMENTS                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492907  | HARRODS CRK INT PH II - EASEMENT PLATS         | 100%                | HARRODS CRK INT PH II - EASEMENT PLATS         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D002492908  | HARRODS CRK INT PH II - CONSTRUCTION DOCUMENTS | 0%                  | HARRODS CRK INT PH II - CONSTRUCTION DOCUMENTS |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>HARRODS CREEK INTERCEPTOR</b>                                |  |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D942072000  | HARRODS CRK INT PH. I - DESIGN                 | 100%                | HARRODS CRK INT PH. I - DESIGN                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| D942072005  | PRELIMINARY FIELD WALK-THRU                    | 100%                | PRELIMINARY FIELD WALK-THRU                    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |



| Activity ID                      | Activity Name                                      | Physical % Complete | IOAP Quarterly Report Chart |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
|----------------------------------|--|---------------------|-----------------------------|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|--------------|----|----|--|
|                                  |  |                     | April 2010                  |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | October 2010 |    |    |  |
|                                  |  |                     | 04                          | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19           | 26 | 03 |  |
| D942072040                       | OBTAIN UTILITY COMMENTS                            | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942072045                       | FEILD WALK-THRU TO REVIEW UTILITY COMMENTS         | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942072055                       | MSD PLAN & PLAT REVIEW                             | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942072901                       | 50% SURVEY COMPLETE                                | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942072902                       | 30% PLANS SUBMITTAL                                | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942072903                       | 50% PLAN UTILITY SUBMITTAL                         | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942072904                       | 80% PLANS SUBMITTAL                                | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942072905                       | 100% PLANS & CONTRACT DOCUMENTS                    | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942072906                       | EPSC PLANS   | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>HARRODS CREEK PS &amp; FM</b> |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062000                       | HARRODS CREEK P.S. & F.M. - DESIGN                 | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062005                       | PRELIMINARY FIELD WALK-THRU                        | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062010                       | PRELIMINARY DESIGN                                 | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062046                       | FINAL ALIGNMENT WALK-THRU                          | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062047                       | FINAL ALIGNMENT APPROVAL                           | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062901                       | HARRODS CREEK - 50% SURVEY COMPLETE                | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062902                       | MILESTONE #2                                       | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062903                       | HARRODS CREEK - CONCEPTUAL DESIGN                  | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062904                       | HARRODS CREEK - 30% PLAN SUBMITTAL                 | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062905                       | MILESTONE #5                                       | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062906                       | HARRODS CREEK - R.E.D. MEETING                     | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062907                       | PRELIMINARY PLANS                                  | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062908                       | STORAGE  | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062909                       | HARRODS CREEK - VALUE ENGINEERING                  | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062913                       | HARRODS CREEK - 50% PLAN UTILITY SUBMITTAL         | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062914                       | HARRODS CREEK - 80% PLANS SUBMITTAL                | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062915                       | HARRODS CREEK - 100% PLANS & CONTRACT DOCS         | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062916                       | EPSC PLANS   | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062918                       | HC/PROSPECT AREA STUDY-TASK 1.1 & 2.1              | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062919                       | HC/PROSPECT AREA STUDY-TASK 2.1                    | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062920                       | HC/PROSPECT AREA STUDY-TASK 2.2                    | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062921                       | HC/PROSPECT AREA STUDY-TASK 2.3-2.4                | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062922                       | HC/PROSPECT AREA STUDY-TASK 3.1-3.2                | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062923                       | HC/PROSPECT AREA STUDY-TASK 3.3                    | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062924                       | HC/PROSPECT AREA STUDY-TASK 4.1-4.3                | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062925                       | HC/PROSPECT AREA STUDY-TASK 4.4                    | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062926                       | HC/PROSPECT AREA STUDY-SURVEYING                   | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062927                       | HC/PROSPECT AREA STUDY-GUARANTEED MAXIMUM ASS...   | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062928                       | HC/PROSPECT AREA STUDY-PRELIMINARY DESIGN AND S... | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062929                       | HC/PROSPECT AREA STUDY-FINAL DESIGN                | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062930                       | HC/PROSPECT AREA STUDY-EASEMENT PLATS              | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062931                       | HC/PROSPECT AREA STUDY-MEETINGS AND REPORTS        | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062932                       | HC/PROSPECT AREA STUDY-DIRECT EXPENSES             | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062933                       | HC/PROSPECT AREA STUDY-FIELD DELINEATION           | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062934                       | HC/PROSPECT AREA STUDY-THREATENED/ENDANGERED...    | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062935                       | HC/PROSPECT AREA STUDY-CULTURAL RESOURCES OV...    | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942062936                       | HC/PROSPECT AREA STUDY-WATER/WETLAND PERMITTI...   | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |

█ Remaining Level of Effort   
 █ Remaining Work   
 █ Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 █ % Complete



| Activity ID   | Activity Name                                       | Physical % Complete | April 2010  |    |    |    |    |    |    | May 2010 |    |    |    |    |    |    | June 2010 |    |    |    |    |    |    | July 2010 |    |    |    |    |    |  | August 2010 |  |  |  |  |  |  | September 2010 |  |  |  |  |  |  | October 2010 |  |  |  |  |  |  |
|---|---|---------------------|---|----|----|----|----|----|----|----------|----|----|----|----|----|----|-----------|----|----|----|----|----|----|-----------|----|----|----|----|----|--|-------------|--|--|--|--|--|--|----------------|--|--|--|--|--|--|--------------|--|--|--|--|--|--|
|   |   |                     | 04  | 11 | 18 | 25 | 02 | 09 | 16 | 23       | 30 | 06 | 13 | 20 | 27 | 04 | 11        | 18 | 25 | 01 | 08 | 15 | 22 | 29        | 05 | 12 | 19 | 26 | 03 |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| D942062937  | HC/PROSPECT AREA STUDY-THREATENED/ENDANGERED...     | 0%                  | HC/PROSPECT AREA STUDY-THREATENED/ENDANGERED SPECIES COORDINATION |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| D942062938  | HC/PROSPECT AREA STUDY-TASK MEETINGS/COORDINA...    | 0%                  | HC/PROSPECT AREA STUDY-TASK MEETINGS/COORDINATION                 |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| <b>HAZELWOOD PUMP STATION I&amp;I INVESTIGATION</b> |   |                     |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H091811200  | HAZELWOOD PUMP STATION I&I INVESTIGATION - SSES     | 0%                  | HAZELWOOD PUMP STATION I&I INVESTIGATION - SSES                   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H091811220  | HAZELWOOD PS I&I INVESTIGATION - SSES REPORT        | 0%                  | HAZELWOOD PS I&I INVESTIGATION - SSES REPORT                      |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H091812000  | HAZELWOOD PUMP STATION I&I INVESTIGATION - DESIGN   | 0%                  | HAZELWOOD PUMP STATION I&I INVESTIGATION - DESIGN                 |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H091813000  | HAZELWOOD PUMP STATION I&I INVESTIGATION - EASEM... | 0%                  | HAZELWOOD PUMP STATION I&I INVESTIGATION - EASEMENT               |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H091814000  | HAZELWOOD PUMP STATION I&I INVESTIGATION- AD DATE   | 0%                  | ◆ HAZELWOOD PUMP STATION I&I INVESTIGATION- AD DATE               |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H091814050  | HAZELWOOD PUMP STATION I&I INVESTIGATION - BID OPEN | 0%                  | ◆ HAZELW  |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| <b>HIKES POINT INTERCEPTOR</b>                      |   |                     |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072854000  | HIKES POINT INTERCEPTOR - AD DATE                   | 0%                  | ◆ HIKES POIN  |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072862000  | HIKES POINT INTERCEPTOR - DESIGN                    | 90%                 | [Red bar from April 04 to May 02]                                 |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072862001  | HIKES POINT INTERCEPTOR - NTP                       | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072862901  | HIKES POINT INTERCEPTOR - 10% DESIGN SUBMITTAL      | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072862902  | HIKES POINT INTERCEPTOR - 30% DESIGN SUBMITTAL      | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072862903  | HIKES POINT INTERCEPTOR - ENVIRON/SURVEY            | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072862904  | HIKES POINT INTERCEPTOR - 60% DESIGN SUBMITTAL      | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072862905  | HIKES POINT INTERCEPTOR - 90% DESIGN SUBMITTAL      | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072862906  | HIKES POINT INTERCEPTOR - 100% DESIGN SUBMITTAL     | 0%                  | [Green bar from April 04 to May 02]                               |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072862907  | HIKES POINT INTERCEPTOR - ATTEND PREBID PHASE 1     | 0%                  | HIKES POINT INTERCEPTOR - ATTEND PREBID PHASE 1                   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072863000  | HIKES POINT INTERCEPTOR - EASEMENTS                 | 0%                  | [Green bar from April 04 to August 01]                            |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| <b>HIKES POINT RELIEF EFFORT</b>                    |   |                     |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872000  | HIKES POINT RELIEF SEWER EFFORT - DESIGN            | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872001  | HIKES POINT INT - NTP                               | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872901  | HIKES POINT INT - BACKGROUND & STDS                 | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872902  | HIKES POINT INT - GEOTECH REPORT                    | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872903  | HIKES POINT INT - TRAFFIC ANALYSIS                  | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872904  | HIKES POINT INT - PROPERTY RESEARCH                 | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872905  | HIKES POINT INT - PIPE MATERIAL RECM & TECH MEMO    | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872906  | HIKES POINT INT - STRUCTURAL MEMO & PRELIM DRAWG    | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872907  | HIKES POINT INT - HYDRAULIC HOR/VER ALIGN TM        | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872908  | HIKES POINT INT - TRAFFIC ANALYSIS TECH MEMO        | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872909  | HIKES POINT INT - CONSTRUCTABILITY; COST & SCHED    | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072872910  | HP INT REPORT W/PRESENTATION-100%                   | 100%                |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H072873000  | HIKES POINT RELIEF SEWER EFFORT - EASEMENTS         | 70%                 | [Green bar from April 04 to July 25]                              |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| <b>HURSTBOURNE I&amp;I INVEST &amp; REHAB</b>       |   |                     |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H092192000  | HURSTBOURNE I&I INVEST & REHAB - DESIGN             | 0%                  | [Green bar from April 04 to August 01]                            |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| <b>I-64 &amp; GRINSTEAD STORAGE BASIN</b>           |   |                     |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H091211000  | I-64 & GRINSTEAD STORAGE BASIN - PLANNING           | 95%                 | [Red bar from April 04 to May 02]                                 |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H091212000  | I-64 & GRINSTEAD STORAGE BASIN - DESIGN             | 0%                  | I-64 & GRINSTEAD STORAGE BASIN - DESIGN                           |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| <b>ICA FY11</b>                                     |   |                     |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H093811000  | ICA FY11 - PLANNING                                 | 0%                  | ICA FY11 - PLANNING   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| <b>IOAP REVISIONS</b>                               |   |                     |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H094551000  | IOAP REVISIONS - PLANNING                           | 0%                  | IOAP REVISIONS - PLANNING   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| <b>JEFFERSONTOWN SSES</b>                           |   |                     |   |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |
| H093951000  | JEFFERSONTOWN SSES - PLANNING                       | 5%                  | [Green bar from April 04 to April 11]                             |    |    |    |    |    |    |          |    |    |    |    |    |    |           |    |    |    |    |    |    |           |    |    |    |    |    |  |             |  |  |  |  |  |  |                |  |  |  |  |  |  |              |  |  |  |  |  |  |

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

| Activity ID   | Activity Name                                     | Physical % Complete | April 2010  |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    | Oct 2010 |    |    |    |
|---|---|---------------------|---|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----------|----|----|----|
|   |   |                     | 04  | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12       | 19 | 26 | 03 |
| <b>JEFFERSONTOWN SSR PHASE 3</b>                      |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H094092000  | JEFFERSONTOWN SSR PHASE 3 - DESIGN                | 0%                  | JEFFERSONTOWN SSR PHASE 3 - DESIGN                  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| <b>JEFFERSONTOWN TP ELIMINATION</b>                   |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H072931000  | JEFFERSONTOWN TP ELIMINATION - PLANNING           | 0%                  | JEFFERSONTOWN TP ELIMINATION - PLANNING             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| <b>KAVANAUGH ROAD PUMP STATION IMPROVEMENT</b>        |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H091711000  | KAVANAUGH RD PUMP STATION IMP - SSES PLANNING     | 5%                  | KAVANAUGH RD PUMP STATION IMPROVEMENTS - DESIGN     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H091712000  | KAVANAUGH RD PUMP STATION IMPROVEMENTS - DESIGN   | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| <b>LAKE FOREST PUMP STATION IMPROVEMENT</b>           |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H091731200  | LAKE FOREST PUMP STATION IMPROVEMENT - SSES       | 5%                  | LAKE FOREST PUMP STATION IMPROVEMENT - SSES         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| <b>LAKE FOREST SSES</b>                               |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H093961000  | LAKE FOREST SSES - PLANNING                       | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H093961220  | LAKE FOREST SSES REPORT                           | 0%                  | LAKE FOREST SSES REPORT                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| <b>LANTANA PUMP STATION WET WEATHER STORAGE BASIN</b> |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H091931200  | LANTANA PUMP STATION WET WEATHER STORAGE - SSES   | 10%                 | LANTANA PUMP STATION WET WEATHER STORAGE - DESIGN   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H091932000  | LANTANA PUMP STATION WET WEATHER STORAGE - DE...  | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H091933000  | LANTANA PUMP STATION WET WEATHER STORAGE - EAS... | 0%                  | LANTANA PUMP STATION WET WEATHER STORAGE - EASEMENT |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H091934000  | LANTANA PUMP STATION WET WEATHER STORAGE - AD ... | 0%                  | LANTANA P...  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| <b>LEA ANN WAY PHASE 2 ICA</b>                        |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H093981000  | LEA ANN WAY PHASE 2 ICA - PLANNING                | 80%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| <b>LEA ANN WAY PS SYSTEM SSES</b>                     |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962000  | LEA ANN WAY PS SYSTEM SSES - PLANNING             | 10%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962901  | LEA ANN WAY PS SYSTEM SSES HOURLY                 | 0%                  | RLY   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962902  | EAST PROJECT WORK PLAN                            | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962903  | EAST DATA, COLLECTION, REVIEW&BASIN DELINEATION   | 100%                | NEW&BASIN DELINEATION                               |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962904  | LEA ANN SSES EAST NOTIFICATION PLAN               | 100%                | TION PLAN   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962906  | LEA ANN EAST NBHD MEETINGS                        | 90%                 | PS  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962907  | LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 1         | 0%                  | LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 1           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962908  | LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 2         | 0%                  | LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 2           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962909  | LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 3         | 0%                  | LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 3           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962910  | LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 4         | 0%                  | LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 4           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962911  | LEA ANN EAST DRAFT BASIN RPTS-CATCHMENT 5         | 0%                  | LEA ANN EAST DRAFT BA                               |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962915  | LA WEST/LANTANA KICKOFF MTG                       | 100%                | TG  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962916  | LEA ANN WEST/LANTANA WORK PLAN                    | 100%                | K PLAN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962917  | PUBLIC MTG - LANTANA BEFORE                       | 100%                | E   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962918  | PUBLIC MTG - LANTANA AFTER                        | 0%                  | PUBLIC MTG - LANTANA AFTER                          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962919  | PUBLIC MTG - LEA ANN WEST BEFORE                  | 100%                | BEFORE  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962921  | MANHOLE INSPECTIONS LANTANA                       | 0%                  | MANHOLE INSPECTIONS LANTANA                         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962922  | MANHOLE INSP LEA ANN WEST 1                       | 0%                  | MANHOLE INSP LEA ANN WEST 1                         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962923  | MANHOLE INSP LEA ANN WEST 2                       | 0%                  | MANHOLE INSP LEA ANN WEST 2                         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962924  | MANHOLE INSP LEA ANN WEST 3                       | 0%                  | MANHOLE INSP LEA ANN WEST 3                         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962925  | MANHOLE INSP LEA ANN WEST 4                       | 0%                  | MANHOLE INSP LEA ANN WEST 4                         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962926  | SMOKE TESTING LANTANA                             | 0%                  | SMOKE TESTING LANTANA                               |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962928  | DYE TRACING/FLOODING - LANTANA                    | 0%                  | DYE TRACING/FLOODING - LANTANA                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| H090962930  | FINAL REPORT SUBMITTAL - LANTANA                  | 0%                  | FINAL REPORT SUBMITTAL - LANTANA                    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| <b>LEA ANN WAY SANITARY SEWER I/I REHABILITATION</b>  |   |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |
| C084331200  | LEA ANN WAY SANITARY SEWER I/I REHAB - SSES       | 10%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |

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

| Activity ID   | Activity Name                                     | Physical % Complete | IOAP Quarterly Report Chart                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
|---|---|---------------------|--|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|----------|----|----|--|
|   |   |                     | April 2010                                       |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | Oct 2010 |    |    |  |
|   |   |                     | 04   | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19       | 26 | 03 |  |
| <b>LEA ANN WAY SSR PHASE 1</b>                              |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094052000  | LEA ANN WAY SSR PHASE 1 - DESIGN                  | 0%                  | LEA ANN WAY SSR PHASE 1 - DESIGN                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094054000  | LEA ANN WAY SSR PHASE 1 - AD DATE                 | 0%                  | ◆ LEA ANN WAY SSR PHA                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>LEA ANN WAY SSR PHASE 2</b>                              |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H094062000  | LEA ANN WAY SSR PHASE 2 - DESIGN                  | 0%                  | LEA ANN WAY SSR PHASE 2 - DESIGN                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>LOGAN STREET &amp; BRECKINRIDGE STREET STORAGE BASIN</b> |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091422000  | LOGAN ST & BRECKENRIDGE ST STORAGE BASIN - DESIGN | 10%                 |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091422901  | LOGAN ST STOR BASIN-BUILD TEAM                    | 50%                 |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091422902  | LOGAN ST STOR BASIN-INFO COLLECTION               | 50%                 |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091422903  | LOGAN ST STOR BASIN-SITE & TECH SELECT            | 50%                 |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091422904  | LOGAN ST STOR BASIN-PRELIM DESING & PRMT          | 50%                 |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>MEADOW STREAM PUMP STATION INLINE STORAGE</b>            |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H091741200  | MEADOW STREAM PUMP STATION ILS - SSES             | 0%                  | MEADOW STREAM PUMP STATION ILS - SSES            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>MEADOW STREAM/HITE CREEK SSES</b>                        |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093941000  | MEADOW STREAM SSES - PLANNING                     | 100%                |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093941220  | MEADOW STREAM SSES REPORT                         | 0%                  | MEADOW STREAM SSES REPORT                        |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093942000  | MEADOW STREAM SSES - DESIGN                       | 0%                  | MEADOW STREAM SSES - DESIGN                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093942901  | MEADOW STREAM SSES PROJECT WORK PLAN              | 0%                  | MEADOW STREAM SSES PROJECT WORK PLAN             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093942902  | MEADOW STREAM SSES MONTHLY MTG&MGMT               | 0%                  | MEADOW STREAM SSES MONTHLY MTG&MGMT              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093942903  | MEADOW STREAM SSES INITIAL FIELD REVIEW           | 0%                  | MEADOW STREAM SSES INITIAL FIELD REVIEW          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093942904  | MEADOW STREAM SSES SMOKE TESTING                  | 0%                  |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093942905  | MEADOW STREAM SSES CCTV DATA ANALYSIS             | 0%                  | MEADOW STREAM SSES CCTV DATA ANAL                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093942906  | MEADOW STREAM SSES MANHOLE INSPECTION             | 0%                  | MEADOW STREAM SSES MANHOLE INSPECTION            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093942907  | MEADOW STREAM SSES PRIVATE PROP INSP              | 0%                  | MEADOW STREAM SSES PRIVATE PROP INSP             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093942909  | MEADOW STREAM SSES PUBLIC NOTIFICATION            | 0%                  | MEADOW STREAM SSES PUBLIC NOTIFICATION           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093942910  | MEADOW STREAM SSES MANHOLE REHAB EVAL             | 0%                  | MEADOW STREAM SSES MANHOLE REHAB EVAL            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>MELLWOOD PS ELIMINATION &amp; FORCE MAIN</b>             |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095562000  | MELLWOOD PS ELIMINATION & FORCE MAIN - DESIGN     | 92%                 |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095562901  | MELLWOOD PS ELIMINATION & FORCE MAIN 10% DESIGN   | 100%                |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095562902  | MELLWOOD PS ELIMINATION & FORCE MAIN 30% DESIGN   | 100%                |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095562903  | MELLWOOD PS ELIMINATION & FORCE MAIN 60% DESIGN   | 100%                |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095562904  | MELLWOOD PS ELIMINATION & FORCE MAIN 90% DESIGN   | 0%                  | MAIN 90% DESIGN                                  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095562905  | MELLWOOD PS ELIMINATIN & FORCE MAIN 100% DESIGN   | 0%                  | MELLWOOD PS ELIMINATIN & FORCE MAIN 100% DESIGN  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095563000  | MELLWOOD PS ELIMINATION & FORCE MAIN - EASEMENTS  | 0%                  |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095564000  | MELLWOOD PS ELIMINATION & FORCE MAIN - AD DATE    | 0%                  | ◆ MELLWOOD PS ELIMINATION & FORCE MAIN - AD DATE |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095564050  | MELLWOOD PS ELIMINATION & FORCE MAIN - BID OPEN   | 0%                  | ◆ MELLWOOD PS ELIMINATION & FORCE                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095564500  | MELLWOOD PS ELIMINATION & FORCE MAIN - AWARD      | 0%                  | ◆ MELLWOOD                                       |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>MILL CREEK SSES</b>                                      |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093991000  | MILL CREEK SSES - PLANNING                        | 5%                  |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>MUNCIE AVENUE ACCESS ROAD FOR ISO 05</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| B101486000  | MUNCIE AVE ACCESS ROAD FOR ISO 05 -CONSTRUCT      | 0%                  | MUNCIE AVE ACCESS ROAD FOR ISO 05 -CONSTRUCT     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>NMC 1 FY10</b>   |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093061000  | NMC 1 FY10 - PLANNING                             | 0%                  | NMC 1 FY10 - PLANNING                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>NMC 1 FY11</b>   |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| H093161000  | NMC 1 FY11 - PLANNING                             | 0%                  | NMC 1 FY11 - PLANNING                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>NMC 2 FY10</b>   |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |

█ Remaining Level of Effort   
 █ Remaining Work   
 ▬ Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ▬ % Complete

| Activity ID                       | Activity Name                                       | Physical % Complete | IOAP Quarterly Report Chart                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
|-----------------------------------|---|---------------------|--|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|---------|----|----|--|
|                                   |   |                     | April 2010   |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | pr 2010 |    |    |  |
|                                   |   |                     | 04   | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19      | 26 | 03 |  |
| H093071000                        | NMC 2 FY10 - PLANNING                               | 0%                  | NMC 2 FY10 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 2 FY11</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093171000                        | NMC 2 FY11 - PLANNING                               | 0%                  | NMC 2 FY11 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 3 FY10</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093081000                        | NMC 3 FY10 - PLANNING                               | 0%                  | NMC 3 FY10 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 3 FY11</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093181000                        | NMC 3 FY11 - PLANNING                               | 0%                  | NMC 3 FY11 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 4 FY10</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093091000                        | NMC 4 FY10 - PLANNING                               | 0%                  | NMC 4 FY10 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 4 FY11</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093191000                        | NMC 4 FY11 - PLANNING                               | 0%                  | NMC 4 FY11 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 5 FY10</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093101000                        | NMC 5 FY10 - PLANNING                               | 0%                  | NMC 5 FY10 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 5 FY11</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093201000                        | NMC 5 FY11 - PLANNING                               | 0%                  | NMC 5 FY11 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 6 FY10</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093111000                        | NMC 6 FY10 - PLANNING                               | 0%                  | NMC 6 FY10 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 6 FY11</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093211000                        | NMC 6 FY11 - PLANNING                               | 0%                  | NMC 6 FY11 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 7 FY10</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093121000                        | NMC 7 FY10 - PLANNING                               | 0%                  | NMC 7 FY10 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 7 FY11</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093221000                        | NMC 7 FY11 - PLANNING                               | 0%                  | NMC 7 FY11 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 8 FY10</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093131000                        | NMC 8 FY10 - PLANNING                               | 0%                  | NMC 8 FY10 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 8 FY11</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093231000                        | NMC 8 FY11 - PLANNING                               | 0%                  | NMC 8 FY11 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 9 FY10</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093141000                        | NMC 9 FY10 - PLANNING                               | 0%                  | NMC 9 FY10 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC 9 FY11</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093241000                        | NMC 9 FY11 - PLANNING                               | 0%                  | NMC 9 FY11 - PLANNING  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC AAOV FY10</b>              |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093151000                        | NMC AAOV FY10 - PLANNING                            | 0%                  | NMC AAOV FY10 - PLANNING   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NMC AAOV FY11</b>              |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| H093251000                        | NMC AAOV FY11 - PLANNING                            | 0%                  | NMC AAOV FY11 - PLANNING   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NORTHERN DITCH INT PHASE 2</b> |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| A092262901                        | NORTHERN DITCH INT PHASE 2 - EXTRA WORK ALREADY ... | 0%                  | NORTHERN DITCH INT PHASE 2 - EXTRA WORK ALREADY COMPLETED        |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| A092262902                        | NORTHERN DITCH INT PHASE 2 - EXTRA WORK TO BE CO... | 0%                  | NORTHERN DITCH INT PHASE 2 - EXTRA WORK TO BE COMPLETED          |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| A092262903                        | NORTHERN DITCH INT PHASE 2 - DESIGN SERVICES DUR... | 0%                  | NORTHERN DITCH INT PHASE 2 - DESIGN SERVICES DURING CONSTRUCTION |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| A092264000                        | NORTHERN DITCH INT PHASE 2 - AD DATE                | 100%                |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| A092264050                        | NORTHERN DITCH INT PHASE 2 - BID OPEN               | 100%                |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| A092264500                        | NORTHERN DITCH INT PHASE 2 - AWARD                  | 100%                |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| A092266000                        | NORTHERN DITCH INT PHASE 2 - CONSTRUCTION           | 0%                  |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| <b>NORTHERN DITCH INT PHASE 3</b> |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |
| A095003000                        | NORTHERN DITCH INT PHASE 3 - EASEMENT               | 100%                |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |         |    |    |  |

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

| Activity ID                               | Activity Name                                    | Physical % Complete | April 2010                                  |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | Oct 2010 |    |    |  |
|---|--|---------------------|---|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|----------|----|----|--|
|   |  |                     | 04  | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19       | 26 | 03 |  |
| A095004000                                | NORTHERN DITCH INT PHASE 3 - AD DATE             | 0%                  | ◆ NORTHERN DITCH INT PHASE 3 - AD DATE      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095004050                                | NORTHERN DITCH INT PHASE 3 - BID OPEN            | 0%                  | ◆ NORTHERN DITCH INT PHASE 3 - BID OPEN     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095004500                                | NORTHERN DITCH INT PHASE 3 - AWARD               | 0%                  | ◆ NORTHERN DITCH INT PHASE 3 - AWARD        |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| A095006000                                | NORTHERN DITCH INT PHASE 3 - CONSTRUCTION        | 0%                  | ◆ NORTHERN DITCH INT PHASE 3 - CONSTRUCTION |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| <b>NORTHERN DITCH INTERCEPTOR (NR-1A)</b> |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850171000                                | NORTHERN DITCH INTERCEPTOR (NR-1A) - PLANNING    | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172000                                | NORTHERN DITCH INTERCEPTOR (NR-1A) - REDESIGN    | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172010                                | NORTHERN DITCH INTERCEPTOR (NR-1A) - 60% SURVEY  | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172020                                | NORTHERN DITCH INTERCEPTOR (NR-1A) - 30% DESIGN  | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172030                                | NORTHERN DITCH INT (NR-1A) - 50% & PRELIM REPORT | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172040                                | NORTHERN DITCH INT (NR-1A) - 90% SURVEY          | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172050                                | NORTHERN DITCH INT (NR-1A) - GEOTECH EXPLORATION | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172060                                | NORTHERN DITCH INT (NR-1A) - 80% & ESMT PLATS    | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172070                                | NORTHERN DITCH INT (NR-1A)- 95% DESIGN           | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172080                                | NORTHERN DITCH INT (NR-1A) - 100% DESIGN         | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172090                                | NORTHERN DITCH INTERC. (NR-1A) - EASEMENT PLATS* | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172901                                | NORTHERN DITCH INTERCEPTOR (NR-1A) - 60% SURVEY  | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172902                                | NORTHERN DITCH INTERCEPTOR (NR-1A) - 30% DESIGN  | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172903                                | NORTHERN DITCH INT (NR-1A) - 50% & PRELIM REPORT | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172904                                | NORTHERN DITCH INT (NR-1A) - 90% SURVEY          | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172905                                | NORTHERN DITCH INT (NR-1A) - GEOTECH EXPLORATION | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172906                                | NORTHERN DITCH INT (NR-1A) 0 80% & ESMT PLATS    | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172907                                | NORTHERN DITCH INT (NR-1A) - 95% DESIGN          | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172908                                | NORTHERN DITCH INT (NR-1A) - 100% DESIGN         | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172909                                | NORTHERN DITCH INT (NR-1A) - 10% DESIGN          | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172910                                | NORTHERN DITCH INT (NR-1A) - DRILLING/ESA/W'LAND | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172911                                | NORTHERN DITCH INT (NR-1A) - ECO/GEOTECH TESTING | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172912                                | NO DITCH INT (NR-1A)-25% SURVEY/GWATER/BIOLOGIC  | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172913                                | NO DITCH INT (NR-1A)-30% DESIGN/FINAL GEOTECH    | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172914                                | NO DITCH INT (NR-1A)-50% SURVEY/ND ESMT PLATS    | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172915                                | NO DITCH INT (NR-1A)-75% SURVEY                  | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172916                                | NO DITCH INT (NR-1A)-TRIB ESM'T PLATS/60% DESIGN | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172917                                | NO DITCH INT (NR-1A)-100% SURVEY                 | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172918                                | NO DITCH INT (NR-1A)-90% DESIGN                  | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172919                                | NO DITCH INT (NR-1A)-100% DESIGN                 | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172920                                | NO DITCH FLOW CONTROL STRUCTURE-90% PLANS        | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172921                                | NO DITCH FLOW CONTROL STRUCTURE-100% PLANS       | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172922                                | NO DITCH INT (NR-1A)-PARTITION PLANS INTO 3 PROJ | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172923                                | NO DITCH INT (NR-1A)-ADD DIVERSION STR TO PLANS  | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850172924                                | NO DITCH INT (NR-1A)-BIDDING SERVICES            | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850173000                                | NORTHERN DITCH INTERCEPTOR (NR-1A) - EASEMENTS * | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850173050                                | NORTHERN DITCH INT (NR-1A) - EASMENTS - 2        | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850174000                                | NORTHERN DITCH INTERCEPTOR (NR-1A) - AD DATE     | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850174050                                | NORTHERN DITCH INTERCEPTOR (NR-1A) - BID OPEN    | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850174500                                | NORTHERN DITCH INTERCEPTOR (NR-1A) - AWARD       | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |
| C850176000                                | NORTHERN DITCH INTERCEPTOR (NR-1A) - CONSTR.     | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |

**ORICA**

█ Remaining Level of Effort   
 █ Remaining Work   
 ◆ Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ▬ % Complete

| Activity ID   | Activity Name   | Physical % Complete | IOAP Quarterly Report Chart                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
|---|---|---------------------|--|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|--------------|----|----|--|
|   |   |                     | April 2010                                       |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | October 2010 |    |    |  |
|   |   |                     | 04   | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19           | 26 | 03 |  |
| H094001000  | OHIO RIVER INTERCEPTOR ICA - PLANNING                 | 90%                 | [Gantt bar showing 90% completion]               |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>PADDY'S RUN WW TREATMENT FACILITY</b>                    |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091241000  | PADDY'S RUN WW TREATMENT FACILITY - PLANNING          | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - PLANNING     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091242000  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN            | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - DESIGN       |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091243000  | PADDY'S RUN WW TREATMENT FACILITY - EASEMENT          | 0%                  | PADDY'S RUN WW TREATMENT FACILITY - EASEMENT     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>PARKVIEW ESTATES I&amp;I INVESTIGATION</b>               |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091981200  | PARKVIEW ESTATES I&I INVESTIGATION - SSES             | 0%                  | PARKVIEW ESTATES I&I INVESTIGATION - SSES        |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091982000  | PARKVIEW ESTATES I&I INVESTIGATION - DESIGN           | 5%                  | [Gantt bar showing 5% completion]                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091983000  | PARKVIEW ESTATES I&I INVESTIGATION - EASEMENT         | 0%                  | PARKVIEW ESTATES I&I INVESTIGATION - EASEMENT    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091984000  | PARKVIEW ESTATES I&I INVESTIGATION - AD DATE          | 0%                  | ◆ PARKVIEW ESTATES I&I INVESTIGATION             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091984050  | PARKVIEW ESTATES I&I INVESTIGATION - BID OPEN         | 0%                  | ◆ PARKVIEW ESTATES I&I INV                       |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>PROSPECT SSES</b>  |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093911000  | PROSPECT SSES - PLANNING                              | 100%                | [Gantt bar showing 100% completion]              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093911220  | PROSPECT SSES REPORT                                  | 0%                  | PROSPECT SSES REPORT                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093912000  | PROSPECT SSES REPORT - DESIGN                         | 0%                  | PROSPECT SSES REPORT - DESIGN                    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093912901  | PROSPECT HUNTING CREEK SSES PROJECT WORK PLAN         | 0%                  | PROSPECT HUNTING CREEK SSES PROJECT WORK PLAN    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093912902  | PROSPECT HUNTING CREEK SSES MONTHLY MTG&MGMT          | 0%                  | PROSPECT HUNTING CREEK SSES MONTHLY MTG&MGMT     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093912903  | PROSPECT HUNTING CREEK SSES INITIAL FIELD REVIEW      | 0%                  | PROSPECT HUNTING CREEK SSES INITIAL FIELD REVIEW |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093912904  | PROSPECT HUNTING CREEK SSES SMOKE TESTING             | 0%                  | [Gantt bar showing 0% completion]                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093912905  | PROSPECT HUNTING CREEK SSES CCTV DATA ANALYSIS        | 0%                  | PROSPECT HUNTING CREEK SSES CCTV DATA ANALYSIS   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093912906  | PROSPECT HUNTING CREEK SSES MANHOLE INSPECTION        | 0%                  | PROSPECT HUNTING CREEK SSES MANHOLE INSPECTION   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093912907  | PROSPECT HUNTING CREEK SSES PRIVATE PROP INSP         | 0%                  | PROSPECT HUNTING CREEK SSES PRIVATE PROP INSP    |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093912909  | PROSPECT HUNTING CREEK SSES PUBLIC NOTIFICATION       | 0%                  | PROSPECT HUNTING CREEK SSES PUBLIC NOTIFICATION  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093912910  | PROSPECT HUNTING CREEK SSES MANHOLE REHAB EVAL        | 0%                  | PROSPECT HUNTING CREEK SSES MANHOLE REHAB EVAL   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>RAINTREE &amp; MARIAN COURT PUMP STATION ELIMINATION</b> |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091801200  | RAINTREE & MARIAN CT PUMP STATION ELIMINATION - SS... | 100%                | [Gantt bar showing 100% completion]              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091802000  | RAINTREE & MARIAN CT PUMP STATION ELIMINATION - DE... | 100%                | [Gantt bar showing 100% completion]              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>RIDING RIDGE PUMP STATION IMPROVEMENT</b>                |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091751200  | RIDING RIDGE PUMP STATION IMP - SSES PLANNING         | 5%                  | [Gantt bar showing 5% completion]                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>RIVER ROAD INTERCEPTOR</b>                               |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942102000  | RIVER ROAD INTERCEPTOR - DESIGN                       | 95%                 | [Gantt bar showing 95% completion]               |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942102005  | PRELIMINARY FIELD WALK-THRU                           | 100%                | [Gantt bar showing 100% completion]              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942102901  | 50% SURVEY COMPLETE                                   | 100%                | [Gantt bar showing 100% completion]              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942102902  | 30% PLANS SUBMITTAL                                   | 100%                | [Gantt bar showing 100% completion]              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942102903  | 50% PLANS UTILITY SUBMITTAL                           | 100%                | [Gantt bar showing 100% completion]              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942102904  | 80% PLANS SUBMITTAL                                   | 100%                | [Gantt bar showing 100% completion]              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942102906  | 90% DESIGN  | 100%                | [Gantt bar showing 100% completion]              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942102907  | 100% DESIGN   | 0%                  | 100% DESIGN                                      |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942103000  | RIVER RD INT - EASEMENT                               | 0%                  | [Gantt bar showing 0% completion]                |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942104000  | RIVER ROAD INTERCEPTOR - AD DATE                      | 0%                  | RIVER ROAD INTERCEPTOR - AD DATE                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942104050  | RIVER ROAD INTERCEPTOR - BID OPENING                  | 0%                  | ◆ RIVER ROAD INTERCEPTOR - BID OPENING           |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942104500  | RIVER ROAD INTERCEPTOR - AWARD                        | 0%                  | ◆ RIVER ROAD INTERCEPTOR - AWARD                 |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| D942106000  | RIVER ROAD INTERCEPTOR - CONSTRUCTION                 | 0%                  | RIVER ROAD INTERCEPTOR - CONSTRUCTION            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>RUNNING FOX PUMP STATION ELIMINATION</b>                 |   |                     |  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091782000  | RUNNING FOX PUMP STATION ELIMINATION - DESIGN         | 100%                | [Gantt bar showing 100% completion]              |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091783000  | RUNNING FOX PUMP STATION ELIMINATION - EASEMENTS      | 97%                 | [Gantt bar showing 97% completion]               |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |

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

| Activity ID  | Activity Name  | Physical % Complete | April 2010 |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    | Oct 2010 |    |    |    |  |
|--|--|---------------------|------------|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----------|----|----|----|--|
|  |  |                     | 04         | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12       | 19 | 26 | 03 |  |
| H091784000   | RUNNING FOX PUMP STATION ELIMINATION - AD DATE       | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H091784050   | RUNNING FOX PUMP STATION ELIMINATION - BID OPEN      | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H091784500   | RUNNING FOX PUMP STATION ELIMINATION - AWARD         | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H091786000   | RUNNING FOX PUMP STATION ELIMINATION - CONSTRUC...   | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H091786900   | RUNNING FOX PUMP STATION ELIMINATION - SUBSTANTI...  | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H091786950   | RUNNING FOX PUMP STATION ELIMINATION - AS-BUILTS     | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H091788050   | RUNNING FOX PUMP STATION ELIMINATION - CD CERTIFI... | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| <b>SEP - CHEROKEE PARK STREAM RESTORATION PROJECT</b>    |  |                     |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101402000   | SEP CHEROKEE PARK STREAM RESTORATION - PLANNING      | 80%                 |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101402901   | SEP CHEROKEE PK STREAM RESTOR PERMITTING             | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101402902   | SEP CHEROKEE PK STREAM RESTOR 80% SUBMITTAL          | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101402903   | SEP CHEROKEE PK STREAM RESTOR 95% SUBMITTAL          | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101402904   | SEP STREAM RESTOR FINAL SUBMIT/BID ASSISTANCE        | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101404000   | SEP CHEROKEE PARK STREAM RESTORATION - AD DATE       | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101404050   | SEP CHEROKEE PARK STREAM RESTORATION - BID OPEN      | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101404500   | SEP CHEROKEE PARK STREAM RESTORATION - AWARD         | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101406000   | SEP CHEROKEE PARK STREAM RESTORATION - CONSTR...     | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101408050   | CHEROKEE PK STREAM RESTOR - SEP COMPLETION REP...    | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| <b>SEP - POND CREEK TRAIL STREAM RESTORATION PROJECT</b> |  |                     |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101412000   | SEP - PC TRAIL STREAM RESTORATION-DESIGN             | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101412901   | PERMIT/CONCEPTUAL STREAM RESTORE DESIGN              | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101412902   | SEP - PC STREAM RESTORATION - 80% DESIGN             | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101412903   | SEP - PC STREAM RESTORATION -95% DESIGN              | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101412904   | SEP - PC STREAM RESTORATION -100% DESIGN             | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H101412905   | SEP-PC STREAM RESTOR -CONSTRUC OVERSIGHT             | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| <b>SHAWNEE FLOOD PUMP STATION</b>                        |  |                     |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| H091362000   | SHAWNEE FLOOD PUMP STATION - DESIGN                  | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| <b>SHIVELY INTERCEPTOR</b>                               |  |                     |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082000   | SHIVELY INTERCEPTOR - DESIGN                         | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082001   | SHIVELY INTERCEPTOR - NTP                            | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082901   | SHIVELY INT - PRELIM ENG 100%                        | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082902   | SHIVELY INT - SURVEY 20%                             | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082903   | SHIVELY INT - DESIGN 30%                             | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082904   | SHIVELY INT - SURVEY 50%                             | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082905   | SHIVELY INT - FINAL DESIGN 50%                       | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082906   | SHIVELY INT - SURVEY 80%                             | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082907   | SHIVELY INT - FINAL DESIGN 80%                       | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082908   | SHIVELY INT - SURVEY 100%                            | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082909   | SHIVELY INT - FINAL DESIGN 100%                      | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082910   | PERTH CLYDE 50% SURVEY                               | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082911   | PERTH CLYDE PREL ENG PLANS/REPORT                    | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082912   | PERTH CLYDE 50% DESIGN SUBMITTAL                     | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082913   | PERTH CLYDE 100% SURVEY                              | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082914   | PERTH CLYDE 80% DESIGN SUBMITTAL                     | 0%                  |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062082916   | SHIVELY-VAC, EXCAV, GROUNDWATER WELLS                | 100%                |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |
| B062083000   | SHIVELY INTERCEPTOR - EASEMENT                       | 80%                 |            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |          |    |    |    |  |

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

| Activity ID   | Activity Name                                    | Physical % Complete | IOAP Quarterly Report Chart                     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
|---|--|---------------------|---|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|--------------|----|----|--|
|   |  |                     | April 2010                                      |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | October 2010 |    |    |  |
|   |  |                     | 04  | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19           | 26 | 03 |  |
| B062084000  | SHIVELY INTERCEPTOR - AD DATE                    | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| B062084050  | SHIVELY INTERCEPTOR - BID OPEN                   | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>SHIVELY PUMP STATION CHANNEL GRINDER REPLACEMENT PROJECT</b> |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H101512000  | SHIVELY PS CHANNEL GRINDER REPLACEMENT - DESIGN  | 0%                  | SHIVELY PS CHANNEL GRINDER REPLACEMENT - DESIGN |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>SHIVELY SSES</b>   |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094011000  | SHIVELY SSES - PLANNING                          | 0%                  | SHIVELY SSES - PLANNING                         |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>SINKING FORK INTERCEPTOR RELIEF SEWER</b>                    |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083571000  | SINKING FORK INTERCEPTOR RELIEF SEWER - PLANNING | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572000  | SINKING FORK INTERCEPTOR RELIEF SEWER - DESIGN   | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572001  | SINKING FORK INTERCEPTOR RELIEF SEWER - NTP PREL | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572002  | SINKING FORK INTERCEPTOR RELIEF SEWER- NTP FINAL | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572901  | SINKING FORK INT RELIEF SEWER- 50% PRELIM DESIGN | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572902  | SINKING FORK INT RELIEF SEWER-100% PRELIM DESIGN | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572903  | BWV - PLAN & BASEMENT REVISIONS                  | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572904  | BWV - ROCK CORES                                 | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572905  | BWV - 80% PLAN SUBMITTAL                         | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572906  | BWV - 100% PLAN SUBMITTAL                        | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572907  | BWV - CONTRACT DOCS                              | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572908  | BWV - MYLARS                                     | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572909  | SINKING FORK INT RS - EASEMENT APPRAISAL         | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572910  | SINKING FORK INT RS - 50% PLAN SUBMITTAL         | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572911  | SINKING FORK INT RS - 80% PLAN SUBMITTAL         | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572912  | SINKING FORK INT RS - 100% PLAN SUBMITTAL        | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572913  | SINKING FORK INT RS - CONTRACT DOCS              | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572914  | SINKING FORK INT RS - MYLARS                     | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572915  | SURVEYING MILESTONES - SURVEYING                 | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083572916  | SURVEYING MILESTONES - EASEMENTS PLATS           | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083573000  | SINKING FORK INTERCEPTOR RELIEF SEWER - ESM'TS   | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083574000  | SINKING FORK INTERCEPTOR RELIEF SEWER - AD DATE  | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083574050  | SINKING FORK INTERCEPTOR RELIEF SEWER - BID OPEN | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083574500  | SINKING FORK INTERCEPTOR RELIEF SEWER - AWARD    | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083576000  | SINKING FORK INTERCEPTOR RELIEF SEWER - CONSTR   | 95%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083576900  | SINKING FORK INTERCEPTOR RELIEF SEWER-SUBST COMP | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083576950  | SINKING FORK INTERCEPTOR RELIEF SEWER - AS-BUILT | 0%                  |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083578050  | SINKING FORK INTERCEPTOR RELIEF SEWER-CD CERTIFY | 100%                |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>SNEADS BRANCH ICA</b>  |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094021000  | SNEADS BRANCH ICA - PLANNING                     | 60%                 |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>SONNE PUMP STATION I&amp;I INVESTIGATION</b>                 |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091871200  | SONNE PUMP STATION I&I INVESTIGATION - SSES      | 0%                  | SONNE PUMP STATION I&I INVESTIGATION - SSES     |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091871220  | SONNE PS I&I INVESTIGATION - SSES REPORT         | 0%                  | SONNE PS I&I INVESTIGATION - SSES REPORT        |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091872000  | SONNE PUMP STATION I&I INVESTIGATION - DESIGN    | 0%                  | SONNE PUMP STATION I&I INVESTIGATION - DESIGN   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091873000  | SONNE PUMP STATION I&I INVESTIGATION - EASEMENT  | 0%                  | SONNE PU  |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>SORP FY10</b>  |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093781000  | SORP FY10 - PLANNING                             | 0%                  | SORP FY10 - PLANNING                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>SORP FY11</b>  |  |                     |   |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093791000  | SORP FY11 - PLANNING                             | 0%                  | SORP FY11 - PLANNING                            |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |

█ Remaining Level of Effort   
 █ Remaining Work   
 █ Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 █ % Complete



| Activity ID   | Activity Name  | Physical % Complete | IOAP Quarterly Report Chart |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
|---|--|---------------------|-----------------------------|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|--------------|----|----|--|
|   |  |                     | April 2010                  |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | October 2010 |    |    |  |
|   |  |                     | 04                          | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19           | 26 | 03 |  |
| <b>SOUTHEASTERN INTERCEPTOR RELIEF SEWER</b>        |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083581000  | SOUTHEASTERN INTERCEPTOR RELIEF SEWER - PLANNI...    | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582000  | SOUTHEASTERN INTERCEPTOR RELIEF SEWER - DESIGN       | 90%                 |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582001  | SOUTHEASTERN INTERCEPTOR RELIEF SEWER - NTP          | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582901  | SEI RELIEF SEWER - PD - SUBMIT 10% DRAFT RPT         | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582902  | SEI RELIEF SEWER - PD - PHASE 1 5% DRAFT REPORT      | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582903  | SEI RELIEF SEWER - PD - FINAL REPORT                 | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582904  | SEI RELIEF SEWER - 10% DESIGN                        | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582905  | SEI RELIEF SEWER-SURVEY & DRAFT PLATS                | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582906  | SEI RELIEF SEWER-30% DIVERSION STRUCTURE PLANS       | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582907  | SEI RELIEF SEWER-30% SEIRS PLANS/REPORTS             | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582908  | SEI RELIEF SEWER-SUBSURFACE INVEST. REPORT           | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582909  | SEI RELIEF SEWER-60% DIVERSION STRUC PLANS/BID DO... | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582910  | SEI RELIEF SEWER-90% DIVERSION STRUCT PLANS/BID D... | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582911  | SEI RELIEF SEWER-60% SEIRS PLANS/FNL PLANS/BID DOCS  | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582912  | SEI RELIEF SEWER-100% DIVERSION STRUCT PLANS/BID ... | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582913  | SEI RELIEF SEWER-90% SEIRS PLANS/BID DOCS/PERMITS    | 95%                 |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582914  | SEI RELIEF SEWER-100% SEIRS PLANS/BID DOCS           | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083582915  | SEI RELIEF SEWER-BIDDING ASSISTANCE                  | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083583000  | SOUTHEASTERN INTERCEPTOR RELIEF SEWER - ESMTS        | 10%                 |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083584000  | SOUTHEASTERN INTERCEPTOR RELIEF SEWER - AD DATE      | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083584050  | SOUTHEASTERN INTERCEPTOR RELIEF SEWER - BID OPEN     | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083584500  | SOUTHEASTERN INTERCEPTOR RELIEF SEWER - AWARD        | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H083586000  | SOUTHEASTERN INTERCEPTOR RELIEF SEWER - CONSTR       | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>SSES FY11</b>                                    |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H093831000  | SSES FY11 - PLANNING                                 | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>STARVIEW SSES</b>                                |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094031000  | STARVIEW SSES - PLANNING                             | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094031220  | STARVIEW SSES REPORT                                 | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>STORY AVENUE &amp; MAIN STREET STORAGE BASIN</b> |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091272000  | STORY AVE & MAIN ST STORAGE BASIN- DESIGN            | 0%                  |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>UDRT SSES</b>                                    |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H094041000  | UDRT SSES - PLANNING                                 | 80%                 |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>WEST REGION EMERGENCY GENERATOR PHASE III</b>    |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H100844000  | WEST REGION EMERG GENERATORS PH3 - AD DATE           | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H100844050  | WEST REGION EMERG GENERATORS PH3 - BID OPEN          | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H100844500  | WEST REGION EMERG GENERATORS PH3 - AWARD             | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H100846000  | WEST REGION EMERG GENERATORS PH3-CONST               | 70%                 |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| <b>WOODLAND HILLS PUMP STATION DIVERSION</b>        |  |                     |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091692000  | WOODLAND HILLS PUMP STATION DIVERSION - DESIGN       | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091693000  | WOODLAND HILLS PUMP STATION DIVERSION - EASEMENT     | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091694000  | WOODLAND HILLS PUMP STATION DIVERSION - AD DATE      | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091694050  | WOODLAND HILLS PUMP STATION DIVERSION - BID OPEN     | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091694500  | WOODLAND HILLS PUMP STATION DIVERSION - AWARD        | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091696000  | WOODLAND HILLS PUMP STATION DIVERSION - CONSTRU...   | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |
| H091696900  | WOODLAND HILLS PUMP STATION DIVERSION - SUBSTAN...   | 100%                |                             |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |              |    |    |  |

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

| Activity ID | Activity Name                                       | Physical % Complete | April 2010   |    |    |    | May 2010 |    |    |    | June 2010 |    |    |    | July 2010 |    |    |    | August 2010 |    |    |    | September 2010 |    |    |    | Oct 2010 |    |    |  |
|-------------|---|---------------------|--|----|----|----|----------|----|----|----|-----------|----|----|----|-----------|----|----|----|-------------|----|----|----|----------------|----|----|----|----------|----|----|--|
|             |   |                     | 04   | 11 | 18 | 25 | 02       | 09 | 16 | 23 | 30        | 06 | 13 | 20 | 27        | 04 | 11 | 18 | 25          | 01 | 08 | 15 | 22             | 29 | 05 | 12 | 19       | 26 | 03 |  |
| H091698050  | WOODLAND HILLS PUMP STATION DIVERSION - CD CERTI... | 100%                | WOODLAND HILLS PUMP STATION DIVERSION - CD CERTIFICATION |    |    |    |          |    |    |    |           |    |    |    |           |    |    |    |             |    |    |    |                |    |    |    |          |    |    |  |



█ Remaining Level of Effort   
 █ Remaining Work   
 ◀▶ Milestone  
█ Actual Work   
 █ Critical Remaining Work   
 ▬ % Complete



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





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

**KPDES #** KY0022420     
 **Facility ID** MSD0202     
 **Water Quality Treatment Center** HITE CREEK     
 **Receiving Stream of Treatment Center** HITE CREEK     
 **Region** EAST

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 22117       | 3651 COLLINS LN  |  | HITE CREEK       | STREAM       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status              | Event Date | Problem                        | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|---------------------------|------------|--------------------------------|---------------------------------|-------------------|-----------|
| DISDW: DRY WEATHER DISCHARGE | 1063367 | 05/03/10 01:45 PM | RICHARDSON   | RICHARDSON  | REPAIRED - ISSUE RESOLVED | 05/03/10   | OBSTRUCTION-NOT GREASE / ROOTS | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 03:00 PM | MAIN      |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 75 GAL  |
| Cause:            | OBSTRUCTION IN MSD MAIN SEWER                               |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA       |
| Control Zone:     | MSD PERSONNEL ADVISED CUSTOMER TO AVOID CONTACT WITH SEWAGE |
| Impact:           | SEWAGE AROUND THE MSD MANHOLE                               |
| Repair:           | WORK ORDER 1063368 - FLUSHED AND OPENED THE MAIN SEWER      |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 01:45 PM | DISPUB | ADVISED CUSTOMER ON SITE AND POSTED DISCHARGE SIGNS IN THE AREA  |
| 05/03/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0022420 (Cont'd) | <b>Facility ID</b><br>MSD0202 | <b>Water Quality Treatment Center</b><br>HITE CREEK | <b>Receiving Stream of Treatment Center</b><br>HITE CREEK | <b>Region</b><br>EAST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type     | Facility ID | Facility Address      | If Pump Station, Name of Pump Station: | Receiving Stream         | Discharge to |
|-------------------|-------------|-----------------------|--|--------------------------|--------------|
| SMH Sewer Manhole | 91087       | 7510 MEADOW STREAM CT |  | SOUTH FORK HARRODS CREEK | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062317     | 05/02/10 10:30 AM | SINGLETON           | BROOKS             | DOCUMENTED          | 03/18/08          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 06:20 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 21,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA                             |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | TEMPORARY SIGNS POSTED  |
| Impact:           | SEWAGE OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/03/10 06:20 AM | DISPUB | TEMPORARY SIGNS POSTED AROUND THE AREA   |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0022420 (Cont'd)     
 **Facility ID** MSD0202     
 **Water Quality Treatment Center** HITE CREEK     
 **Receiving Stream of Treatment Center** HITE CREEK     
 **Region** EAST

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0202     | 5500 HITT RD     |  | HITE CREEK       | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u>       | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1081862     | 05/22/10 07:40 AM | MARKS JR            | DUNN JR            | REPAIRED - ISSUE RESOLVED | 05/22/10          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/22/10 07:50 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 3,000 GAL   |
| Cause:            | STRUCTURAL FAILURE OF PROCESS WATER LINE            |
| Clean Up:         | NO CLEAN UP REQUIRED POTABLE WATER LEAK ONLY        |
| Control Zone:     | TEMPORARY SIGNS POSTED                              |
| Impact:           | ONLY CLEAR WATER OBSERVED                           |
| Repair:           | SHUT OFF PROCESS WATER PUMP UNTIL REPAIRS COMPLETED |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/22/10 08:21 AM | DISPUB | TEMPORARY SIGNS POSTED TO WARN PUBLIC  |
| 05/22/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0036501      **Facility ID** MSD0209      **Water Quality Treatment Center** BERRYTOWN      **Receiving Stream of Treatment Center** FLOYDS FORK      **Region** CENT

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0209     | 1203 HEAFER RD   |  | FLOYDS FORK      | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062832     | 05/02/10 10:30 PM | ELDER               | VIERLING           | FORCE<br>MAJEURE    | 05/02/10          | BYPASS AT WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 08:45<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 26,700 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN AREA  |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | CONTAINED ON THE PLANT.   |
| Impact:           | SEWAGE OBSERVED.  |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/03/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/12/10 09:26 AM | DISPUB | MSD advised customer on site   |

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

**KPDES #** KY0031712     
 **Facility ID** MSD0247     
 **Water Quality Treatment Center** STARVIEW     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0247     | 423 BERMUDA WAY  |  | CHENOWETH RUN    | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1063005     | 05/02/10 10:00 PM | SINGLETON           | WRIGHT             | FORCE MAJEURE       | 05/02/10          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 12:45 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,650 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA                             |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA AND SPREAD LIME                                  |
| Control Zone:     | CONTAINED ON MSD FENCED PROPERTY  |
| Impact:           | PERSONAL HYGIENE PRODUCTS OBSERVED  |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON; WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/03/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 06/07/10 01:11 PM | DISPUB | NO PUBLIC NOTIFICATION OCCURRED  |





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

**KPDES #** KY0025194      **Facility ID** MSD0255      **Water Quality Treatment Center** JEFFERSONTOWN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| Facility Type          | Facility ID   | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|---------------|-------------------|--|------------------|--------------|
| SSL Sewer Service Line | 059800340000A | 9911 MERIONETH DR |  | CHENOWETH RUN    | GROUND       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status              | Event Date | Problem                        | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|---------------------------|------------|--------------------------------|---------------------------------|-------------------|-----------|
| DISDW: DRY WEATHER DISCHARGE | 1098943 | 06/26/10 09:31 AM | KIMBROUGH    | KIMBROUGH   | REPAIRED - ISSUE RESOLVED | 06/26/10   | OBSTRUCTION-NOT GREASE / ROOTS | UNAUTHORIZED DISCHARGE - WATERS | 06/26/10 10:22 AM | MAIN      |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 5 GAL   |
| Cause:            | OBSTRUCTION IN MAIN SEWER                             |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA |
| Control Zone:     | PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA       |
| Impact:           | SEWAGE/WATER DISCHARGING FROM CLEANOUT                |
| Repair:           | WORK ORDER 1099377 - FLUSHED MAIN SEWER               |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/26/10 09:31 AM | DISPUB | ADVISED CUSTOMER ON SITE AND PLACED SIGNS AROUND THE IMPACTED AREA   |
| 06/26/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 06/26/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0025194 (Cont'd)     
 **Facility ID** MSD0255     
 **Water Quality Treatment Center** JEFFERSONTOWN     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| Facility Type     | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|---------------------|--|------------------|--------------|
| SMH Sewer Manhole | 28173       | 3258 RUCKRIEGEL PKY |  | CHENOWETH RUN    | GROUND       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062330 | 05/02/10 08:24 AM | GRIFFITH     | GRIFFITH    | DOCUMENTED   | 03/04/08   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 09:15 AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 24,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065104  |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACED AT DISCHARGE   |
| Impact:           | LIGHT DEBRIS AND SOLIDS OBSERVED AT DISCHARGE   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 09:59 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0025194 (Cont'd)      **Facility ID** MSD0255      **Water Quality Treatment Center** JEFFERSONTOWN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1081890     | 05/21/10 09:02 AM | GRIFFITH            | GRIFFITH           | DOCUMENTED          | 03/04/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/21/10 09:17<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 50 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEAN-UP NEEDED  |
| Control Zone:     | TEMPORARY SIGNS AND CAUTION TAPE WERE PLACED AROUND THE DISCHARGE AREA                        |
| Impact:           | VERY LIGHT DEBRIS OBSERVED AROUND DISCHARGE   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/23/10 09:28 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGER AND TEMP SIGNS TO AVOID DISCHARGE  |
| 05/22/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/24/10 09:54 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |

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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0025194 (Cont'd) | <b>Facility ID</b><br>MSD0255 | <b>Water Quality Treatment Center</b><br>JEFFERSONTOWN | <b>Receiving Stream of Treatment Center</b><br>CHENOWETH RUN | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062420     | 05/02/10 09:50 AM | SIVADO              | GRIFFITH           | DOCUMENTED          | 03/12/06          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:29 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 27,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065034  |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS   |
| Impact:           | LIGHT DEBRIS OBSERVED   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 08:59 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0025194 (Cont'd) | <b>Facility ID</b><br>MSD0255 | <b>Water Quality Treatment Center</b><br>JEFFERSONTOWN | <b>Receiving Stream of Treatment Center</b><br>CHENOWETH RUN | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062416     | 05/02/10 09:31 AM | SIVADO              | GRIFFITH           | DOCUMENTED          | 01/03/05          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:28 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 17,742 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1064544  |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACE AT SITE   |
| Impact:           | LIGHT SOLIDS AND DEBRIS OBSERVED AROUND SITE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 08:40 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0025194 (Cont'd) | <b>Facility ID</b><br>MSD0255 | <b>Water Quality Treatment Center</b><br>JEFFERSONTOWN | <b>Receiving Stream of Treatment Center</b><br>CHENOWETH RUN | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062423     | 05/02/10 10:09 AM | SIVADO              | GRIFFITH           | DOCUMENTED          | 08/30/05          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:50 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 49,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY   |
| Clean Up:         | DISCLN WO# 1065069  |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACED AROUND DISCHARGE   |
| Impact:           | LIGHT DEBRIS AND SOLIDS AROUND DISCHARGE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 09:22 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0025194 (Cont'd) | <b>Facility ID</b><br>MSD0255 | <b>Water Quality Treatment Center</b><br>JEFFERSONTOWN | <b>Receiving Stream of Treatment Center</b><br>CHENOWETH RUN | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062421     | 05/02/10 10:06 AM | SIVADO              | GRIFFITH           | DOCUMENTED          | 01/03/05          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:40 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 21,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065043  |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACED AROUND DISCHARGE   |
| Impact:           | LIGHT DEBRIS AND SOLIDS AROUND DISCHARGE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 09:10 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0025194 (Cont'd) | <b>Facility ID</b><br>MSD0255 | <b>Water Quality Treatment Center</b><br>JEFFERSONTOWN | <b>Receiving Stream of Treatment Center</b><br>CHENOWETH RUN | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

| Facility Type     | Facility ID | Facility Address   | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|--------------------|--|------------------|--------------|
| SMH Sewer Manhole | 28391       | 10020 MERIONETH DR |  | CHENOWETH RUN    | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062428     | 05/02/10 10:43 AM | SIVADO              | GRIFFITH           | DOCUMENTED          | 05/30/04          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:10 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 19,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY   |
| Clean Up:         | NONE NEED DUE TO MAGNITUDE OF STORM   |
| Control Zone:     | CAUTION TAPE AND TEMP SIGN PLACED AT DISCHARGE  |
| Impact:           | NONE OBERVED DUE TO MAGNITUDE OF STORM  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 09:38 AM | DISPUB | PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS TO AVOID DISCHARGE   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0025194 (Cont'd) | <b>Facility ID</b><br>MSD0255 | <b>Water Quality Treatment Center</b><br>JEFFERSONTOWN | <b>Receiving Stream of Treatment Center</b><br>CHENOWETH RUN | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062426     | 05/02/10 10:22 AM | SIVADO              | GRIFFITH           | DOCUMENTED          | 12/15/07          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 09:00 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 49,000 GAL  |
| Cause:            | LACK OF SYSTM CAPACITY-HEAVY RAIN   |
| Clean Up:         | DISCLN WO# 1065081  |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACED AROUND DISCHARGE   |
| Impact:           | LIGHT DEBRIS AROUND DISCHARGE   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 09:30 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0025194 (Cont'd)     
 **Facility ID** MSD0255     
 **Water Quality Treatment Center** JEFFERSONTOWN     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062539     | 05/02/10 04:17 PM | SIVADO              | GRIFFITH           | DOCUMENTED          | 12/19/02          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:22 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 3,100 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEED DUE TO MAGNITUDE OF STORM   |
| Control Zone:     | TEMPORARY SIGNS PLACED NEAR DISCHARGE   |
| Impact:           | NONE OBSERVED   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 09:43 AM | DISPUB | PUBLIC NOTIFIED THROUGH TEMPORARY SIGNS TO AVOID DISCHARGE   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0025194 (Cont'd)     
 **Facility ID** MSD0255     
 **Water Quality Treatment Center** JEFFERSONTOWN     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 28416       | 3501 MARLIN DR   |  | CHENOWETH RUN    | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062396     | 05/02/10 09:15 AM | SIVADO              | GRIFFITH           | DOCUMENTED          | 04/04/08          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:21 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 10,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEEDED DUE TO MAGNITUDE OF STORM   |
| Control Zone:     | TEMP SIGNS AND BARRICADE PLACED AT DISCHARGE  |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 09:54 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0025194 (Cont'd)     
 **Facility ID** MSD0255     
 **Water Quality Treatment Center** JEFFERSONTOWN     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 28417       | 3506 DELL RD     |  | CHENOWETH RUN    | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062394     | 05/02/10 09:15 AM | SIVADO              | GRIFFITH           | DOCUMENTED          | 04/04/08          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:20 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 9,500 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEEDED DUE TO MAGNITUDE OF STORM   |
| Control Zone:     | TEMPORARY SIGNS AND BARRICADE PLACED AT DISCHARGE   |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 09:49 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGER AND TEMP SIGNS TO AVOID DISCHARGE  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0025194 (Cont'd) | <b>Facility ID</b><br>MSD0255 | <b>Water Quality Treatment Center</b><br>JEFFERSONTOWN | <b>Receiving Stream of Treatment Center</b><br>CHENOWETH RUN | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

| Facility Type     | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|-------------------|--|------------------|--------------|
| SMH Sewer Manhole | 28451       | 3406 CHARLANE PKY |  | CHENOWETH RUN    | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062418     | 05/02/10 09:42 AM | SIVADO              | GRIFFITH           | FORCE MAJEURE       | 05/02/10          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:27 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 45,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065027  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS WERE PLACED AROUND DISCHARGE                                 |
| Impact:           | LIGHT SOLIDS AND DEBRIS OBSERVED AROUND DISCHARGE   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 08:37 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0025194 (Cont'd)     
 **Facility ID** MSD0255     
 **Water Quality Treatment Center** JEFFERSONTOWN     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| Facility Type     | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|---------------------|--|------------------|--------------|
| SMH Sewer Manhole | 64505       | 3200 RUCKRIEGEL PKY |  | CHENOWETH RUN    | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062390     | 05/02/10 08:42 AM | GRIFFITH            | GRIFFITH           | FORCE MAJEURE       | 05/02/10          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 09:18 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 64,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065113  |
| Control Zone:     | CAUTION TAPE AND BARRICADES PLACED AT DISCHARGE   |
| Impact:           | LIGHT SOLIDS AND DEBRIS AROUND DISCHARGE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 10:13 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0025194 (Cont'd)      **Facility ID** MSD0255      **Water Quality Treatment Center** JEFFERSONTOWN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| Facility Type          | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|---------------------|--|------------------|--------------|
| SSL Sewer Service Line | JT13763019  | 3720 CANDLEWOOD WAY |  | CHENOWETH RUN    | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u>       | <u>Event Date</u> | <u>Problem</u>     | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------------|-------------------|--------------------|---------------------------------|-------------------|------------------|
| DISDW: DRY WEATHER DISCHARGE       | 1047862     | 04/02/10 02:14 PM | COWARD              | MARCONI            | REPAIRED - ISSUE RESOLVED | 04/02/10          | STRUCTURAL FAILURE | UNAUTHORIZED DISCHARGE - WATERS | 04/02/10 02:20 PM | LAT              |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 20 GAL  |
| Cause:            | PROPERTY SERVICE CONNECTION DAMAGED                           |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA         |
| Control Zone:     | SIGNS PUT OUT ALONG THE DRAINAGE DITCH                        |
| Impact:           | SEWAGE DRAINING INTO DRAINAGE DITCH                           |
| Repair:           | WORK ORDER 1047858 - REPAIRED THE PROPERTY SERVICE CONNECTION |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 04/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/20/10 01:04 PM | DISPUB | ADVISED CUSTOMER ON SITE AND WITH TEMPORARY SIGNS.   |

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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0025194 (Cont'd) | <b>Facility ID</b><br>MSD0255 | <b>Water Quality Treatment Center</b><br>JEFFERSONTOWN | <b>Receiving Stream of Treatment Center</b><br>CHENOWETH RUN | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062156     | 05/01/10 10:10 AM | SINGLETON           | SMITH              | DOCUMENTED          | 01/14/07          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/01/10 10:14 AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 1,000 GAL  |
| Cause:            | OVERFILLED AERATION TANKS 5, 6, 7 TRYING TO OPTIMIZE FLOW. |
| Clean Up:         | CONTRACTOR CLEANED & SANITIZED                             |
| Control Zone:     | TEMPORARY SIGNS POSTED                                     |
| Impact:           | SOLIDS OBSERVED  |
| Repair:           | SHUT OFF 4TH PUMP, REDUCING FLOW                           |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/01/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/01/10 10:10 AM | DISPUB | TEMPORARY SIGNS POSTED   |
| 05/01/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0025194 (Cont'd)     
 **Facility ID** MSD0255     
 **Water Quality Treatment Center** JEFFERSONTOWN     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>            | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|---------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062157     | 05/01/10 10:21 AM | SINGLETON           | SMITH              | DOCUMENTED          | 01/14/07          | BLENDING AT JTOWN<br>WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 11:23<br>PM |                  |

**Spot Inspections:**

|                                 |   |
|---------------------------------|---|
| Peal Plant Flow when Blending:  | 22,939,000 GPD  |
| Total Plant Flow when Blending: | 30,937,000 GAL  |
| Discharge Amount:               | 7,661,762 GAL   |
| Cause:                          | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA               |
| Clean Up:                       | CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVELS                   |
| Control Zone:                   | PIPE DISCHARGES DIRECTLY INTO STREAM. PERMANENT SIGNS POSTED.       |
| Impact:                         | NONE OBSERVED DUR TO HIGH LEVELS OF CREEK                           |
| Repair:                         | NEGOTIATIONS UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION. |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/01/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/01/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 06/07/10 01:14 PM | DISPUB | A permanent overflow warning sign is posted at the effluent line of the WQTC.  |

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

**KPDES #** KY0025194 (Cont'd)     
 **Facility ID** MSD0255     
 **Water Quality Treatment Center** JEFFERSONTOWN     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>            | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|---------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1081848     | 05/21/10 09:40 PM | MARKS JR            | MILLS              | DOCUMENTED          | 01/14/07          | BLENDING AT JTOWN<br>WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/22/10 02:08<br>AM |                  |

**Spot Inspections:**

|                                 |  |
|---------------------------------|--|
| Peal Plant Flow when Blending:  | 15,619,186 GPD   |
| Total Plant Flow when Blending: | 8,956,380 GAL  |
| Discharge Amount:               | 253,859 GAL  |
| Cause:                          | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT                          |
| Clean Up:                       | CLEAN UP NOT POSSIBLE DUE TO HIGH CREEK LEVEL                      |
| Control Zone:                   | PIPE DISCHARGE DIRECTLY INTO STREAM PERMANENT SIGNS POSTED         |
| Impact:                         | NONE OBSERVED DUE TO HIGH LEVEL OF CREEK                           |
| Repair:                         | NEGOTIATIONS UNDER WAY TO ALLOW TEMPORARY BENDING AT THIS LOCATION |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/21/10 10:34 PM | DISPUB | PERMANENT SIGNS ARE POSTED AT THIS LOCATION  |
| 05/21/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/21/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0025194 (Cont'd)      **Facility ID** MSD0255      **Water Quality Treatment Center** JEFFERSONTOWN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>            | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|---------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1093777     | 06/09/10 12:35 PM | ELDER               | WRIGHT             | DOCUMENTED          | 01/14/07          | BLENDING AT JTOWN<br>WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/09/10 09:29<br>PM |                  |

**Spot Inspections:**

|                                 |  |
|---------------------------------|--|
| Peal Plant Flow when Blending:  | 16,991,000 GPD   |
| Total Plant Flow when Blending: | 5,988,000 GAL  |
| Discharge Amount:               | 786,248 GAL  |
| Cause:                          | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT                          |
| Clean Up:                       | CLEAN UP NOT POSSIBLE DUE TO HIGH CREEK LEVEL                      |
| Control Zone:                   | PIPE DISCHARGE DIRECTLY INTO STREAM PERMANENT SIGNS POSTED         |
| Impact:                         | NONE OBSERVED DUE TO HIGH LEVEL OF CREEK                           |
| Repair:                         | NEGOTIATIONS UNDER WAY TO ALLOW TEMPORARY BENDING AT THIS LOCATION |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/09/10 12:52 PM | DISPUB | permanent signs are posted at this location  |
| 06/09/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 06/09/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0025194 (Cont'd)      **Facility ID** MSD0255      **Water Quality Treatment Center** JEFFERSONTOWN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| Facility Type          | Facility ID | Facility Address        | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|-------------------------|--|------------------|--------------|
| SLS Sewer Lift Station | MSD1043-PS  | 11804 CHIPPEWA RIDGE LN | CHIPPEWA                               | CHENOWETH RUN    | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062567     | 05/02/10 02:00 PM | ELDER               | BRAZEL             | FORCE MAJEURE       | 09/23/06          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 12:05 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 90,750 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                                  |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | PERMANENT & TEMPORARY SIGNS POSTED  |
| Impact:           | PERSONAL HYGIENE PRODUCTS OBSERVED  |
| Repair:           | SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED AND EVALUATED FOR REPAIR. |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/03/10 12:05 AM | DISPUB | PERMANENT & TEMPORARY SIGNS POSTED   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0025194 (Cont'd)      **Facility ID** MSD0255      **Water Quality Treatment Center** JEFFERSONTOWN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|------------------|--|------------------|--------------|
| SLS Sewer Lift Station | MSD1081-PS  | 11600 DIODE CT   | DIODE CT                               | CHENOWETH RUN    | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u>       | <u>Event Date</u> | <u>Problem</u>      | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------------|-------------------|---------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1081861     | 05/21/10 10:30 PM | MARKS JR            | MILLS              | REPAIRED - ISSUE RESOLVED | 05/21/10          | POWER OUTAGE (LG&E) | UNAUTHORIZED DISCHARGE - WATERS | 05/22/10 12:15 AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 525 GAL  |
| Cause:            | RAIN EVENT CAUSED LGE POWER FAIL AT STATION      |
| Clean Up:         | MSD CLEANED AND SANITIZED AREA                   |
| Control Zone:     | TEMPORARY SIGNS POSTED                           |
| Impact:           | NO DEBRIS OBSERVED ONLY SEWAGE                   |
| Repair:           | GENERATOR PLACED AT STATION UNTIL POWER RESTORED |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/22/10 08:07 AM | DISPUB | TEMPORARY SIGNS USED TO WARN PUBLIC  |
| 05/22/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0029459      **Facility ID** MSD0263      **Water Quality Treatment Center** CHENOWETH HILLS      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0263     | 4305 ST RENE CT  |  | CHENOWETH RUN    | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062181     | 05/01/10 12:28 PM | SINGLETON           | OTTO               | DOCUMENTED          | 09/27/02          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/01/10 02:23 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 41,944 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA                             |
| Clean Up:         | NO DEBRIS OBSERVED  |
| Control Zone:     | NO CONTROL ZONE- PIPE DISCHARGE SUBMEGED  |
| Impact:           | NO IMPACT OBSERVED- PIPE DISCHARGE SUBMERGED                                      |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/01/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/01/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 06/07/10 01:13 PM | DISPUB | No public notification occurred.   |

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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0029459 (Cont'd) | <b>Facility ID</b><br>MSD0263 | <b>Water Quality Treatment Center</b><br>CHENOWETH HILLS | <b>Receiving Stream of Treatment Center</b><br>CHENOWETH RUN | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062496     | 05/02/10 03:58 PM | ELDER               | VIERLING           | DOCUMENTED          | 09/27/02          | BYPASS AT WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 08:15<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 9,770 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVEN IN THE AREA                              |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | CONTAINED ON MSD PROPERTY BEHIND A 6' FENCE                                       |
| Impact:           | SEWAGE OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/12/10 09:25 AM | DISPUB | MSD advised customer on site   |

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

**KPDES #** KY0029459 (Cont'd)      **Facility ID** MSD0263      **Water Quality Treatment Center** CHENOWETH HILLS      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062499     | 05/02/10 03:58 PM | ELDER               | VIERLING           | DOCUMENTED          | 09/27/02          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:15 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 97,700 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO STORM EVENT IN THE AREA                                       |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | CONTAINED ON MSD PROPERTY BEHIND A 6' FENCE   |
| Impact:           | PERSONAL HYGIENE PRODUCTS, SEWAGE & DEBRIS WAS OBSERVED                               |
| Repair:           | THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/12/10 09:23 AM | DISPUB | MSD advised customer on site   |



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

**KPDES #** KY0029459 (Cont'd)     
 **Facility ID** MSD0263     
 **Water Quality Treatment Center** CHENOWETH HILLS     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISDW: DRY WEATHER DISCHARGE       | 1099222     | 06/28/10 10:30 AM | SINGLETON           | ALEXANDER          | DOCUMENTED          | 09/27/02          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 06/28/10 11:03 AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 2,268 GAL  |
| Cause:            | CONTRACTOR BACKED INTO SULFUR DIOXIDE BLDG       |
| Clean Up:         | NO CLEAN UP REQUIRED                             |
| Control Zone:     | TEMPORARY SIGNS POSTED                           |
| Impact:           | NO IMPACT OBSERVED                               |
| Repair:           | MSD MADE REPAIRS TO LINE AND PUT BACK IN SERVICE |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/28/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 07/06/10 03:56 PM | DISPUB | Temporary signs posted around impacted area.   |

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

**KPDES #** KY0029459 (Cont'd)     
 **Facility ID** MSD0263     
 **Water Quality Treatment Center** CHENOWETH HILLS     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISDW: DRY WEATHER DISCHARGE       | 1099424     | 06/28/10 02:45 PM | MARKS JR            | WRIGHT             | DOCUMENTED          | 09/27/02          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 06/28/10 03:10 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,647 GAL   |
| Cause:            | CONTRACTOR RAN INTO SODIUM DIOXIDE BUILDING           |
| Clean Up:         | NOT NEEDED  |
| Control Zone:     | TEMPORARY SIGNS POSTED                                |
| Impact:           | NO IMPACT OBSERVED                                    |
| Repair:           | MSD MADE REPAIRS TO FEED LINE AND PUT BACK IN SERVICE |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/28/10 07:18 PM | DISPUB | MSD notified public with web site and temporary signs  |
| 06/28/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0036323     
 **Facility ID** MSD0271     
 **Water Quality Treatment Center** YORKTOWN     
 **Receiving Stream of Treatment Center** NORTHERN DITCH     
 **Region** WEST

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0271     | 7418 YORKTOWN RD |  | NORTHERN DITCH   | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062532     | 05/02/10 03:45 PM | ELDER               | HATHAWAY           | DOCUMENTED          | 04/04/08          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 05:40 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 54,600 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                  |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA                                |
| Control Zone:     | TEMPORARY SIGNS POSTED  |
| Impact:           | PERSONAL HYGIENE PRODUCTS, SEWAGE, SOLIDS & DEBRIS WAS OBSERVED |
| Repair:           | CREEK LEVEL DECREASED   |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 03:45 PM | DISPUB | TEMPORARY SIGNS POSTED   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0078956      **Facility ID** MSD0277      **Water Quality Treatment Center** DEREK R. GUTHRIE      **Receiving Stream of Treatment Center** OHIO RIVER      **Region** WEST

| Facility Type          | Facility ID   | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream  | Discharge to |
|------------------------|---------------|------------------|--|-------------------|--------------|
| SSL Sewer Service Line | 063301000000A | 6302 HANSES DR   |  | BLUE SPRING DITCH | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062892     | 05/02/10 02:30 PM | GAITHER             | HOLLEY             | FORCE MAJEURE       | 05/02/10          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 01:00 AM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 12,600 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN EVENT  |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA                                 |
| Control Zone:     | TAPE; TEMP SIGNS; ADVISED PROPERTY OWNER/CUSTOMER TO AVOID DIRECT CONTACT WITH SEWAGE |
| Impact:           | SEWAGE AND SOLIDS   |
| Repair:           | RAIN SUBSIDED   |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 02:30 PM | DISPUB | MSD ADVISED CUSTOMER ON SITE AND MSD ADVISED CUSTOMER BY DOOR CARD   |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0078956 (Cont'd)     
 **Facility ID** MSD0277     
 **Water Quality Treatment Center** DEREK R. GUTHRIE     
 **Receiving Stream of Treatment Center** OHIO RIVER     
 **Region** WEST

| Facility Type          | Facility ID   | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream  | Discharge to |
|------------------------|---------------|------------------|--|-------------------|--------------|
| SSL Sewer Service Line | 063301020000A | 6317 HANSES DR   |  | BLUE SPRING DITCH | GROUND       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status  | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|---------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062917 | 05/02/10 02:30 PM | GAITHER      | HOLLEY      | FORCE MAJEURE | 05/02/10   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 12:30 AM | MAIN      |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 12,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN  |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA                                     |
| Control Zone:     | TAPE; TEMP SIGNS; AND ADVISED PROPERTY OWNER/CUSTOMER TO AVOID DIRECT CONTACT WITH SEWAGE |
| Impact:           | SEWAGE AND SOLIDS   |
| Repair:           | RAIN SUBSIDED   |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 02:30 PM | DISPUB | MSD ADVISED CUSTOMER ON SITE AND MSD ADVISED CUSTOMER BY DOOR CARD   |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0078956 (Cont'd)     
 **Facility ID** MSD0277     
 **Water Quality Treatment Center** DEREK R. GUTHRIE     
 **Receiving Stream of Treatment Center** OHIO RIVER     
 **Region** WEST

| Facility Type     | Facility ID | Facility Address   | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|--------------------|--|------------------|--------------|
| SMH Sewer Manhole | 102339      | 9114 CINDERELLA LN |  | FISHPOOL CREEK   | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062294     | 05/02/10 06:31 AM | SINGLETON           | HAYES              | FORCE MAJEURE       | 05/02/10          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 04:00 AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 32,225 GAL                                     |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA |
| Clean Up:         | MSD CLEANED, RAKED, LIMED & BAGGED DEBRIS      |
| Control Zone:     | TEMPORARY SIGNS POSTED AROUND THE AREA         |
| Impact:           | DEBRIS OBSERVED                                |
| Repair:           | HAULED TO PREVENT FURTHER OVERFLOW #1062361    |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/03/10 04:00 AM | DISPUB | TEMPORARY SIGNS POSTED AROUND THE AREA   |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 19360       | 5205 RONWOOD DR  |  | NORTHERN DITCH   | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062925     | 05/02/10 03:42 PM | FRENCH              | HOLLEY             | FORCE<br>MAJEURE    | 05/02/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/02/10 07:35<br>PM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 23,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN                              |
| Clean Up:         | DISCLN WORK ORDER #1063095                                  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACE AROUND IMPACTED AREA |
| Impact:           | SEWAGE AND SOLIDS OBSERVED AROUND MANHOLE                   |
| Repair:           | RAIN SUBSIDED   |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 10:52 AM | DISPUB | MSD ADVISED CUSTOMERS WITH DOOR CARDS  |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 19369       | 5301 LAYNE RD    |  | SOUTHERN DITCH   | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062938     | 05/02/10 03:44 PM | FRENCH              | HOLLEY             | FORCE<br>MAJEURE    | 05/02/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/02/10 07:40<br>PM | MAIN             |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 12,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN                               |
| Clean Up:         | DISCLN WORK ORDER #1063099                                   |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACED AROUND IMPACTED AREA |
| Impact:           | SEWAGE AND SOLIDS OBSERVED AROUND MANHOLE                    |
| Repair:           | RAIN SUBSIDED  |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 10:56 AM | DISPUB | MSD ADVISED CUSTOMER ON SITE WITH DOOR CARDS   |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 22370       | 6615 MOORMAN RD  |  | MILL CREEK       | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1064523     | 05/02/10 08:00 AM | GRIFFITH            | KESSEL             | DOCUMENTED          | 12/19/02          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:00 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | MSD CLEANED UP DISCHARGE WITHOUT SERVICE REQUEST. JOHN KESSEL SUPERVISOR                      |
| Control Zone:     | REMOTE AREA. NO CONTROL NEEDED  |
| Impact:           | LIGHT DEBRIS OBSERVED   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/05/10 09:55 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/06/10 09:37 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGE   |
| 05/04/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1064521     | 05/02/10 08:00 AM | GRIFFITH            | KESSEL             | DOCUMENTED          | 03/12/06          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:00 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | MSD PERFORMED CLEANUP WITHOUT A SERVICE REQUEST. JOHN KESSEL-SUPERVISOR                       |
| Control Zone:     | REMOTE AREA-NONE NEEDED   |
| Impact:           | LIGHT DEBRIS AND SOLIDS AROUND DISCHARGE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/05/10 09:57 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/06/10 10:00 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGE   |
| 05/04/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0078956 (Cont'd)     
 **Facility ID** MSD0277     
 **Water Quality Treatment Center** DEREK R. GUTHRIE     
 **Receiving Stream of Treatment Center** OHIO RIVER     
 **Region** WEST

| Facility Type     | Facility ID | Facility Address      | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|-----------------------|--|------------------|--------------|
| SMH Sewer Manhole | 25480       | 6112 COOPER CHAPEL RD |  | FISHPOOL CREEK   | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062777     | 05/02/10 08:00 AM | SINGLETON           | HAYES              | DOCUMENTED          | 12/16/00          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 01:00 AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 45,900 GAL   |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA         |
| Clean Up:         | RAKED, LIMED & BAGGED DEBRIS                           |
| Control Zone:     | TEMPORARY SIGNS POSTED                                 |
| Impact:           | DEBRIS OBSERVED  |
| Repair:           | HAULING STATION TO PREVENT FURTHER DISCHARGE. #1062166 |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 05/03/10 01:00 AM | DISPUB | TEMPORARY SIGNS POSTED  |
| 05/04/10 09:51 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type     | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|---------------------|--|------------------|--------------|
| SMH Sewer Manhole | 29948       | 6810 SANDSTONE BLVD |  | FERN CREEK       | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062870     | 05/02/10 03:20 PM | FRENCH              | HOLLEY             | DOCUMENTED          | 03/04/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/02/10 11:00<br>PM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 23,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY- HEAVY RAIN               |
| Clean Up:         | DISCLN WORK ORDER #1063086                        |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS SET UP           |
| Impact:           | SEWAGE, SOLIDS AND DEBRIS OBSERVED AROUND MANHOLE |
| Repair:           | RAIN SUBSIDED                                     |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 10:29 AM | DISPUB | MSD ADVISED CUSTOMER ON SITE WITH DOOR CARDS   |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type     | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|---------------------|--|------------------|--------------|
| SMH Sewer Manhole | 31073       | 6808 SANDSTONE BLVD |  | FERN CREEK       | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062894     | 05/02/10 03:22 PM | FRENCH              | HOLLEY             | FORCE<br>MAJEURE    | 05/02/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/02/10 11:02<br>PM | MAIN             |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 23,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN                               |
| Clean Up:         | DISCLN WORK ORDER #1062519                                   |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACED AROUND IMPACTED AREA |
| Impact:           | SEWAGE AND SOLIDS OBSERVED AROUND MANHOLE                    |
| Repair:           | RAIN SUBSIDED  |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 10:36 AM | DISPUB | MSD ADVISED CUSTOMERS ON SITE WITH DOOR CARDS  |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type     | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|---------------------|--|------------------|--------------|
| SMH Sewer Manhole | 31074       | 6808 SANDSTONE BLVD |  | FERN CREEK       | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062903     | 05/02/10 03:23 PM | FRENCH              | HOLLEY             | FORCE<br>MAJEURE    | 05/02/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/02/10 11:04<br>PM | MAIN             |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 23,050 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN                               |
| Clean Up:         | DISCLN WORK ORDER #1063090                                   |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACED AROUND IMPACTED AREA |
| Impact:           | SEWAGE AND SOLIDS OBSERVED AROUND MANHOLE                    |
| Repair:           | RAIN SUBSIDED  |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 10:41 AM | DISPUB | MSD ADVISED CUSTOMER ON SITE WITH DOOR CARDS   |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0078956 (Cont'd)      **Facility ID** MSD0277      **Water Quality Treatment Center** DEREK R. GUTHRIE      **Receiving Stream of Treatment Center** OHIO RIVER      **Region** WEST

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062535     | 05/02/10 01:35 PM | GRIFFITH            | GRIFFITH           | DOCUMENTED          | 03/12/06          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 01:35 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,300 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEEDED   |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACED AT DISCHARGE   |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/06/10 12:49 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGE   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0078956 (Cont'd)     
 **Facility ID** MSD0277     
 **Water Quality Treatment Center** DEREK R. GUTHRIE     
 **Receiving Stream of Treatment Center** OHIO RIVER     
 **Region** WEST

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 32688       | 6806 W ORELL RD  |  | MILL CREEK       | GROUND       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1064525 | 05/02/10 08:00 AM | GRIFFITH     | KESSEL      | DOCUMENTED   | 12/17/01   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:00 AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | MSD CLEANED UP AREA WITHOUT SERVICE REQUEST. JOHN KESSEL-SUPERVISOR                           |
| Control Zone:     | REMOTE AREA-NONE NEEDED   |
| Impact:           | LIGHT DEBRIS AROUND DISCHARGE LOCATION  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/05/10 09:58 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/06/10 11:15 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGE   |
| 05/04/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |





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

**KPDES #** KY0078956 (Cont'd)      **Facility ID** MSD0277      **Water Quality Treatment Center** DEREK R. GUTHRIE      **Receiving Stream of Treatment Center** OHIO RIVER      **Region** WEST

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream  | Discharge to |
|-------------------|-------------|------------------|--|-------------------|--------------|
| SMH Sewer Manhole | 54615       | 6300 HANSES DR   |  | BLUE SPRING DITCH | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062950     | 05/02/10 02:30 PM | GAITHER             | HOLLEY             | FORCE MAJEURE       | 05/02/10          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 09:30 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 21,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN  |
| Clean Up:         | DISCLN WORK ORDER #1062522  |
| Control Zone:     | TAPE; TEMP SIGNS; AND ADVISED PROPERTY OWNER/CUSTOMER TO AVOID DIRECT CONTACT WITH SEWAGE |
| Impact:           | SEWAGE AND SOLIDS   |
| Repair:           | RAIN SUBSIDED   |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 02:30 PM | DISPUB | NONE GIVEN   |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1064520     | 05/02/10 08:00 AM | GRIFFITH            | KESSEL             | DOCUMENTED          | 03/12/06          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:00 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | MSD CLEANED AREA WITHOUT A SERVICE REQUEST. JOHN KESSEL-SUPERVISOR                            |
| Control Zone:     | REMOTE AREA-NONE NEEDED   |
| Impact:           | LIGHT DEBRIS AROUND DISCHARGE SITE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/05/10 09:54 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/06/10 10:36 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGE CONTENT   |
| 05/04/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream  | Discharge to |
|-------------------|-------------|------------------|--|-------------------|--------------|
| SMH Sewer Manhole | 79076       | 6308 HANSES DR   |  | BLUE SPRING DITCH | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062955     | 05/02/10 02:30 PM | GRIMES              | HOLLEY             | FORCE<br>MAJEURE    | 05/02/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/02/10 09:00<br>PM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 19,500 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - HEAVY RAIN  |
| Clean Up:         | DISCLN WORK ORDER #1063075  |
| Control Zone:     | ADVISED PROPERTY OWNER TO AVOID CONTACT WITH SEWAGE, PLACED CAUTION TAPE AND TEMPORARY SIGNS. |
| Impact:           | OBSERVED SEWAGE AND SOLIDS  |
| Repair:           | WATER RECEDED   |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 11:02 AM | DISPUB | MSD ADVISED THE CUSTOMER BY DOOR CARD ON SITE.   |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 81814-W     | 2601 PIONEER RD  |  | MILL CREEK       | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062345     | 05/02/10 08:05 AM | SINGLETON           | THOMPSON           | DOCUMENTED          | 01/24/02          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 10:00 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 217,500 GAL   |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA          |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA                        |
| Control Zone:     | TAPE & TEMPORARY SIGNS POSTED AROUND THE AREA           |
| Impact:           | PERSONAL HYGIENE PRODUCTS, SEWAGE & DEBRIS WAS OBSERVED |
| Repair:           | SET UP TRASH PUMPS TO PREVENT HOMES FROM FLOODING       |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 11:52 AM | DISPUB | TAPE & TEMPORARY SIGNS POSTED AROUND THE AREA  |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type     | Facility ID | Facility Address       | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------------|--|------------------|--------------|
| SMH Sewer Manhole | 87310       | 6921 SHEPHERDSVILLE RD |  | FERN CREEK       | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1063008     | 05/02/10 06:00 PM | FRENCH              | HOLLEY             | FORCE<br>MAJEURE    | 05/02/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/02/10 10:00<br>PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 24,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN                               |
| Clean Up:         | DISCLN WORK ORDER #1063107                                   |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACED AROUND IMPACTED AREA |
| Impact:           | SEWAGE AND SOLIDS OBSERVED AROUND MANHOLE                    |
| Repair:           | RAIN SUBSIDED  |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 11:47 AM | DISPUB | MSD ADVISED CUSTOMER ON SITE WITH DOOR CARD  |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062324     | 05/02/10 09:40 AM | SINGLETON           | VIERLING           | FORCE MAJEURE       | 05/02/10          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 07:35 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 78,900 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                                    |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | TEMPORARY SIGNS & BARRICADES PLACED AROUND THE AREA                               |
| Impact:           | SEWAGE OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 09:40 AM | DISPUB | TEMPORARY SIGNS & BARRICADES PLACED AROUND THE AREA  |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|------------------|--|------------------|--------------|
| SLS Sewer Lift Station | MSD0047-PS  | 3434 FERN LEA RD | FERN LEA                               | MILL CREEK       | CATCH BASIN  |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062349     | 05/02/10 07:45 AM | SINGLETON           | THOMPSON           | DOCUMENTED          | 12/16/00          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 07:30 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 216,000 GAL   |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA          |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA                        |
| Control Zone:     | TAPE & TEMPORARY SIGNS POSTED AROUND THE AREA           |
| Impact:           | PERSONAL HYGIENE PRODUCTS, SEWAGE & DEBRIS WAS OBSERVED |
| Repair:           | SET UP TRASH PUMPS TO PREVENT HOMES FROM FLOODING       |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 11:55 AM | DISPUB | TAPE & TEMPORARY SIGNS POSTED AROUND THE AREA  |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|------------------|--|------------------|--------------|
| SLS Sewer Lift Station | MSD0101-PS  | 9317 LANTANA DR  | LANTANA DRIVE #1                       | PENNSYLVANIA RUN | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062295     | 05/02/10 06:40 AM | SINGLETON           | HAYES              | DOCUMENTED          | 12/16/00          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 02:00 AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 29,000 GAL                                     |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA |
| Clean Up:         | MSD CLEANED, RAKED & LIMED                     |
| Control Zone:     | TEMPORARY SIGNS POSTED AROUND THE AREA         |
| Impact:           | DEBRIS & SOLIDS OBSERVED                       |
| Repair:           | HAULED TO PREVENT FURTHER OVERFLOW #1062158    |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/03/10 02:00 AM | DISPUB | TEMPORARY SIGNS POSTED AROUND THE AREA   |



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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|------------------|--|------------------|--------------|
| SLS Sewer Lift Station | MSD0180-PS  | 7201 OUTER LOOP  | GOVERNMENT CENTER                      | PENNSYLVANIA RUN | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062274     | 05/02/10 07:03 AM | SINGLETON           | WEATHERS           | DOCUMENTED          | 12/16/00          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 09:55 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 22,300 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                                |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | TEMPORARY SIGNS POSTED AROUND THE AREA  |
| Impact:           | PERSONAL HYGIENE PRODUCTS OBSERVED  |
| Repair:           | SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR. |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 09:45 AM | DISPUB | TEMPORARY SIGNS POSTED AROUND THE AREA   |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|------------------|--|------------------|--------------|
| SLS Sewer Lift Station | MSD1010-PS  | 5006 LEA ANN WAY | LEA ANN WAY                            | NORTHERN DITCH   | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062383     | 05/02/10 08:00 AM | SINGLETON           | KESSEL             | DOCUMENTED          | 12/15/07          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 05:40 AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 2,720,000 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN TEH AREA                 |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA                               |
| Control Zone:     | TEMPORARY SIGNS POSTED   |
| Impact:           | PERSONAL HYGIENE PRODUCTS, SOLIDS, SEAGE & DEBRIS WAS OBSERVED |
| Repair:           | SET UP TRASH PUMPS UNTIL WATER LEVEL DECREASED                 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 08:00 AM | DISPUB | TEMPORARY SIGNS POSTED   |
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |   |   |                       |
|--------------------------------------|-------------------------------|---|---|-----------------------|
| <b>KPDES #</b><br>KY0078956 (Cont'd) | <b>Facility ID</b><br>MSD0277 | <b>Water Quality Treatment Center</b><br>DEREK R. GUTHRIE | <b>Receiving Stream of Treatment Center</b><br>OHIO RIVER | <b>Region</b><br>WEST |
|--------------------------------------|-------------------------------|---|---|-----------------------|

| Facility Type          | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|---------------------|--|------------------|--------------|
| SSL Sewer Service Line | PB17665019  | 6926 SANDSTONE BLVD |  | FERN CREEK       | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062961     | 05/02/10 02:45 PM | GAITHER             | HOLLEY             | FORCE<br>MAJEURE    | 09/24/06          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/02/10 09:15<br>PM | LAT              |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 5,400 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY                               |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA |
| Control Zone:     | TAPE; TEMP SIGNS                                      |
| Impact:           | SEWAGE AND SOLIDS                                     |
| Repair:           | RAIN SUBSIDED   |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 02:45 PM | DISPUB | MSD ADVISED CUSTOMER ON SITE AND ADVISED CUSTOMER BY DOOR CARD   |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0022411     
 **Facility ID** MSD0278     
 **Water Quality Treatment Center** MORRIS FORMAN     
 **Receiving Stream of Treatment Center** OHIO RIVER     
 **Region** WEST

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

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062358 | 05/02/10 12:00 PM | SINGLETON    | MILLS       | DOCUMENTED   | 12/15/07   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 05:00 PM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 43,500 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA                      |
| Control Zone:     | TEMPORARY SIGNS POSTED AROUND THE AREA                |
| Impact:           | SEWAGE & DEBRIS WAS OBSERVED                          |
| Repair:           | HAULED TO PREVENT FURTHER DISCHARGE #1062327          |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/03/10 05:00 PM | DISPUB | TEMPORARY SIGNS POSTED   |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 01793       | 9 MUIRFIELD PL   |  | MIDDLE FORK<br>BEARGRASS CREEK | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062590     | 05/02/10 10:07 AM | CLARK               | GRIFFITH           | DOCUMENTED          | 03/04/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 10:09<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 27,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NECESSARY DUE TO MAGNITUDE OF STORM  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACE AROUND DISCHARGE AREA                                  |
| Impact:           | VERY LIGHT TRACES OF DEBRIS AROUND IMPACTED AREA  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 08:31 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type     | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|-------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 02932       | 8021 CHRISTIAN CT |  | MIDDLE FORK<br>BEARGRASS CREEK | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062594     | 05/02/10 09:25 AM | CLARK               | GRIFFITH           | DOCUMENTED          | 03/19/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 09:28<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 29,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEEDED DUE TO MAGNITUDE OF STORM   |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS (BARRICADE) WERE PLACED ON DISCHARGE LOCATION                |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/12/10 07:54 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGE   |

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

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

| Facility Type     | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|---------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 02933       | 7900 SHELBYVILLE RD |  | MIDDLE FORK<br>BEARGRASS CREEK | STREAM       |

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|--------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1062595 | 05/02/10 09:24 AM | CLARK        | GRIFFITH    | DOCUMENTED   | 03/04/08   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 01:45<br>PM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 54,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1063665  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACE AROUND DISCHARGE AREA                                  |
| Impact:           | HEAVY SOLIDS AND DEBRIS OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 10:32 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u>        | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                        | <u>Completed</u>     | <u>Condition</u> |
|---|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|--------------------------------------|----------------------|------------------|
| DISSUS: SUSPECTED<br>OVERFLOW EVID. FOUND | 1093985     | 06/09/10 05:00 PM | FIELDS              | GRIFFITH           | DOCUMENTED          | 03/04/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHAGE -<br>WATERS | 06/09/10 05:05<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 5 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NONE NEEDED- NO VISUAL DEBRIS OR SOLIDS   |
| Control Zone:     | NONE NEEDED   |
| Impact:           | NO VISUAL IMPACT OBSERVED   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 06/10/10 07:38 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT SIGNS PLACE AROUND DISCHARGE LOCATION |
|-------------------|--------|---|





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

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

| Facility Type     | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|---------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 02935       | 7900 SHELBYVILLE RD |  | MIDDLE FORK<br>BEARGRASS CREEK | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062597     | 05/02/10 09:20 AM | CLARK               | GRIFFITH           | DOCUMENTED          | 03/19/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 01:45<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 31,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NONE NEEDED DUE TO MAGNITUDE OF STORM   |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACE AROUND DISCHARGE AREA                                       |
| Impact:           | NONE OBSERVED DUE TO MAGNITUDE OF STORM   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 11:03 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | 08427       | 4313 PRUITT CT   |  | SOUTH FORK BEARGRASS CREEK | GROUND       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status  | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|---------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062548 | 05/02/10 07:10 AM | JOHNSON JR   | GRIFFITH    | FORCE MAJEURE | 05/02/10   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 02:30 PM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 16,500 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1064307  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS WERE PLACED AROUND DISCHARGE AREA                            |
| Impact:           | LIGHT DEBRIS AND SOLIDS OBSERVED AROUND IMPACTED AREA   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 01:49 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED COTENT                                    |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                        | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|--------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062549     | 05/02/10 07:22 AM | JOHNSON JR          | GRIFFITH           | FORCE<br>MAJEURE    | 08/04/09          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHAGE -<br>WATERS | 05/03/10 12:00<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 59,500 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1064320  |
| Control Zone:     | CAUTION TAPE, BARRICADES, AND TEMP SIGNS WERE PLACED AROUND DISCHARGE                         |
| Impact:           | LIGHT SOLIDS AND DEBRIS WERE OBSERVED   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 02:03 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 08537       | 3417 BENNETT LN  |  | GREASY DITCH     | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062533     | 05/02/10 12:50 PM | GRIFFITH            | GRIFFITH           | DOCUMENTED          | 09/27/02          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 09:23 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 13,450,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN EVENT  |
| Clean Up:         | NO CLEAN UP REQUIRED DUE TO MAGNITUDE OF STORM                                |
| Control Zone:     | PERMANENT SIGNS POSTED AT OVERFLOW LOCATION                                   |
| Impact:           | NO VISUAL IMPACT OBSERVED, OVERFLOW REPORTED BASED ON TELEMETRY               |
| Repair:           | A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/07/10 11:10 AM | DISPUB | Permanent signs posted at overflow location.   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|--------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1062322 | 05/02/10 06:24 AM | GRIFFITH     | GRIFFITH    | DOCUMENTED   | 11/29/01   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/04/10 11:31<br>AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 17,873,159 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN EVENT  |
| Clean Up:         | NO CLEAN UP REQUIRED DUE TO MAGNITUDE OF STORM                                |
| Control Zone:     | NO CONTROL ZONE SET UP, LOCATION REPORTED BASED ON TELEMETRY                  |
| Impact:           | NO VISUAL IMPACT OBSERVED, OVERFLOW REPORTED BASED ON TELEMETRY               |
| Repair:           | A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/07/10 10:00 AM | DISPUB | PERMANENT SIGN POSTED AT THIS LOCATION   |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1071665     | 05/12/10 11:16 AM | GRIFFITH            | GRIFFITH           | DOCUMENTED          | 11/29/01          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/12/10 11:37<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,873 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN  |
| Clean Up:         | NO CLEANUP AT THIS LOCATION - PIPE DISCHARGES DIRECTLY TO STREAM, NO ACCESS.          |
| Control Zone:     | NO CONTROL ZONE SET AT THIS LOCATION - PIPE DISCHARGES DIRECTLY TO STREAM, NO ACCESS. |
| Impact:           | NO VISUAL IMPACT OBSERVED.  |
| Repair:           | A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP SUBMITTED DECEMBER 2008.         |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/12/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/12/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 06/07/10 01:09 PM | DISPUB | A PERMANENT SIGN IS POSTED AT THIS LOCATION.   |

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1081887     | 05/21/10 09:04 PM | GRIFFITH            | GRIFFITH           | DOCUMENTED          | 11/29/01          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/21/10 09:12<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 456 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN EVENT                    |
| Clean Up:         | NO CLEAN UP REQUIRED                                    |
| Control Zone:     | NO CONTROL ZONE SET, PIPE DISCHARGES DIRECTLY TO STREAM |
| Impact:           | NO IMPACT OBSERVED, PIPE DISCHARGES DIRECTLY TO STREAM  |
| Repair:           | A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP.   |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/24/10 09:48 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 06/01/10 09:18 AM | DISPUB | PERMANENT SIGNS ARE POSTED AT THIS LOCATION ADVISIN GTHE PUBLIC TO AVOID CONTACT WITH THE STREAM.  |
| 05/22/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|-------------------|-------------|------------------|--|-------------------------------|--------------|
| SMH Sewer Manhole | 104223      | 4103 LEE AVE     |  | SOUTH FORK<br>BEARGRASS CREEK | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                        | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|--------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062583     | 05/02/10 05:35 AM | MITCHELL            | GRIFFITH           | DOCUMENTED          | 05/20/05          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHAGE -<br>WATERS | 05/11/10 12:43<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 36,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065201  |
| Control Zone:     | CAUTION TAPE AND BARRICADES PLACED AT DISCHARGE   |
| Impact:           | LIGHT SOLIDS AND DEBRIS OBSERVED AT DISCHARGE   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 11:47 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DIRECT CONTACT   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062231     | 05/01/10 08:55 AM | MITCHELL            | GRIFFITH           | DOCUMENTED          | 10/23/07          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/11/10 12:41<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 573,120 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO#1065336   |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS AROUND DISCHARGE  |
| Impact:           | SOLIDS AND DEBRIS OBSERVED AROUND DISCHARGE   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/01/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 02:50 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGE   |
| 05/01/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1071777     | 05/12/10 11:20 AM | MITCHELL            | GRIFFITH           | DOCUMENTED          | 10/23/07          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/14/10 09:11<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,300 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1071781  |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACED AROUND DISCHARGE AREA                                      |
| Impact:           | LIGHT DEBRIS OBSERVED AROUND DISCHARGE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 05/13/10 07:09 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGE  |
| 05/13/10 01:33 PM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1081892     | 05/21/10 02:42 PM | MITCHELL            | GRIFFITH           | DOCUMENTED          | 10/23/07          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/25/10 04:21<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 105,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1082057  |
| Control Zone:     | CAUTION TAPE AND DOOR HANGERS PLACED AROUND IMPACTED AREA                                     |
| Impact:           | LIGHT DEBRIS OBSERVED AROUND DISCHARGE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/24/10 08:57 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGE   |
| 05/24/10 09:50 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/22/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | 13943       | 4119 LEE AVE     |  | SOUTH FORK BEARGRASS CREEK | GROUND       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1081893 | 05/21/10 09:27 PM | MITCHELL     | GRIFFITH    | DOCUMENTED   | 03/19/08   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/25/10 04:23 PM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 4,500 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1082017  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACED AROUND IMPACT AREA                                    |
| Impact:           | VERY LIGHT DEBRIS OBSERVED AROUND DISCHARGE   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/23/10 09:47 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS ATO AVOID DISCHARGE   |
| 05/24/10 09:57 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/22/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | 16649       | 1726 FRASER DR   |  | SOUTH FORK BEARGRASS CREEK | DITCH        |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1060066 | 04/24/10 07:30 PM | GRIFFITH     | GRIFFITH    | DOCUMENTED   | 01/24/02   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 04/24/10 08:30 PM |           |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 7,297 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN   |
| Clean Up:         | CISCLN WO # 1060449  |
| Control Zone:     | PIPE SUBMERGED-TEMPORARY SIGNS AND DOOR HANGERS  |
| Impact:           | LIGHT DEBRIS AND SOLIDS OBSERVED AROUND DISCHARGE LOCATION                                   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DICHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 04/25/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 04/26/10 07:16 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT AND TEMPORARY SIGNS AND DOOR HANGERS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                     |
| 04/25/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062229     | 05/01/10 07:45 AM | GRIFFITH            | GRIFFITH           | DOCUMENTED          | 01/24/02          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/05/10 09:15 PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 1,130,968 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAY RAIN  |
| Clean Up:         | DISCLN WO# 1068962   |
| Control Zone:     | PIPE SUBMERGED-DOOR HANGERS PLACED AT HOUSES AROUND IMPACTED AREA                              |
| Impact:           | NONE-PIPE SUBMERGED.   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGED PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/01/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/10/10 08:24 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGED CONTENT  |
| 05/01/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1071641     | 05/12/10 11:15 AM | GRIFFITH            | GRIFFITH           | DOCUMENTED          | 01/24/02          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/13/10 10:24<br>PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 1,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN   |
| Clean Up:         | DISCLN WO# 1071646   |
| Control Zone:     | PERMANENT SIGNS ARE PLACED AT DISCHARGE SITE. CAUTION TAPE                                   |
| Impact:           | LIGHT DEBRIS AROUND DISCHARGE AREA   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/12/10 02:51 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGE   |
| 05/12/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1081889     | 05/21/10 09:15 PM | MITCHELL            | GRIFFITH           | DOCUMENTED          | 01/24/02          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/22/10 09:15<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 200,493 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1082002  |
| Control Zone:     | NONE NEEDED PIPE SUBMERGED. AREA HAS PERMANENT SIGNS TOO                                      |
| Impact:           | LIGHT IMPACT OBSERVED AROUND DISCHARGE AREA   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/22/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/24/10 07:56 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGE   |
| 05/22/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |





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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1093670     | 06/09/10 05:30 AM | MITCHELL            | GRIFFITH           | DOCUMENTED          | 01/24/02          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/09/10 02:45<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 46,884 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1094413  |
| Control Zone:     | NONE NEEDED PIPE SUBMERGED-DID PLACE DOOR HANGERS TO SURROUNDING CUSTOMERS                    |
| Impact:           | LIGHT DEBRIS OBSERVED   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/09/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 06/11/10 07:22 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND PERMANENT SIGNS TO AVOID CONTACT WITH DISCHARGE   |
| 06/09/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | 18298       | 2201 GERALD CT   |  | SOUTH FORK BEARGRASS CREEK | STREAM       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062559 | 05/02/10 08:03 AM | JOHNSON JR   | GRIFFITH    | DOCUMENTED   | 05/28/04   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 12:10 PM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 64,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1064400  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACE AROUND DISCHARGE SITE                                  |
| Impact:           | LIGHT SOLIDS AND DEBRIS OBSERVED AROUND IMPACTED AREA   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 02:59 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|-------------------|-------------|-------------------|--|-------------------------------|--------------|
| SMH Sewer Manhole | 18302       | 2240 LIVERPOOL LN |  | SOUTH FORK<br>BEARGRASS CREEK | CATCH BASIN  |

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|--------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1062562 | 05/02/10 08:08 AM | JOHNSON JR   | GRIFFITH    | DOCUMENTED   | 03/20/08   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 06:58<br>AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 41,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NONE NEEDED DUE TO MAGNITUDE OF STORM   |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS   |
| Impact:           | NONE OBSERVED   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 07:55 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID CONTACT  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062269     | 05/02/10 06:34 AM | MORRISON            | BRIGHT             | DOCUMENTED          | 02/17/00          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/04/10 09:15 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 5,119,600 GAL   |
| Cause:            | SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED        |
| Control Zone:     | MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMP                    |
| Impact:           | SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE   |
| Repair:           | THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN                       |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 09:25 AM | DISPUB | MSD PERSONNEL PLACED SIGNS   |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem         | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-----------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062267 | 05/02/10 06:28 AM | MORRISON     | BRIGHT      | DOCUMENTED   | 02/17/00   | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 11:15 PM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 4,329,500 GAL   |
| Cause:            | SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED        |
| Control Zone:     | MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMP                    |
| Impact:           | SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE   |
| Repair:           | THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN                       |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 09:40 AM | DISPUB | MSD PERSONNEL PLACED SIGNS   |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062265     | 05/02/10 06:38 AM | MORRISON            | BRIGHT             | DOCUMENTED          | 02/17/00          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 04:00 PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 1,901,900 GAL  |
| Cause:            | SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT. |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED         |
| Control Zone:     | MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS                                  |
| Impact:           | THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE.    |
| Repair:           | THIS LOCATION IS IN MSD'S CAPITAL PLAN ABATEMENT                                     |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 05/02/10 09:13 AM | DISPUB | MSD ISSUED NEW RELEASES DURING THE EVENT. MSD PERSONNEL WERE IN THE COMMUNITY AND INFORMED AFFECTED RESIDENTS OF THE HAZARDS ASSOCIATED WITH CONTACT WITH FLOOD WATERS. |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov  |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                              |



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

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062245     | 05/02/10 06:43 AM | MORRISON            | BRIGHT             | DOCUMENTED          | 02/17/00          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 06:00 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 2,011,100 GAL   |
| Cause:            | SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED        |
| Control Zone:     | MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMP                    |
| Impact:           | SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE   |
| Repair:           | THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN                       |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 06:43 AM | DISPUB | MSD PERSONNEL PLACED SIGNS   |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|-------------------|-------------|------------------|--|-------------------------------|--------------|
| SMH Sewer Manhole | 18654       | 4912 DELAWARE DR |  | SOUTH FORK<br>BEARGRASS CREEK | GROUND       |

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status     | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|------------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1062606 | 05/02/10 11:37 AM | JOHNSON JR   | GRIFFITH    | FORCE<br>MAJEURE | 08/04/09   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 06:42<br>AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 97,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065301  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACED AT DISCHARGE  |
| Impact:           | LIGHT DEBRIS AND SOLIDS OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 02:04 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062614     | 05/02/10 07:36 PM | MORRISON            | BRIGHT             | DOCUMENTED          | 02/17/00          | PUMPED OVERFLOW | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/02/10 10:35<br>PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 170,000 GAL  |
| Cause:            | FLOODING DURING A SIGNIFICANT RAIN EVENT                                     |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED |
| Control Zone:     | MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMPS            |
| Impact:           | SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE                                  |
| Repair:           | THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN                |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 08:44 PM | DISPUB | MSD PERSONNEL PLACED SIGNS   |
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062610     | 05/02/10 06:40 PM | MORRISON            | BRIGHT             | DOCUMENTED          | 02/17/00          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 12:35 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,600,000 GAL   |
| Cause:            | SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED        |
| Control Zone:     | MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMP                    |
| Impact:           | SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE   |
| Repair:           | THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN                       |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 08:28 PM | DISPUB | MSD PERSONNEL PLACED SIGNS   |
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062244     | 05/02/10 06:12 AM | MORRISON            | BRIGHT             | DOCUMENTED          | 02/17/00          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/04/10 01:09 PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 5,385,400 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY  |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED |
| Control Zone:     | PLACED SIGNS, BARRICADES AND CONES AROUND MANHOLE                            |
| Impact:           | WATER AND DEBRIS AROUND MANHOLE  |
| Repair:           | THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN                |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 06:12 AM | DISPUB | MSD PERSONNEL PLACED PUBLIC WARNING SIGNS  |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream   | Discharge to |
|-------------------|-------------|-------------------|--|--------------------|--------------|
| SMH Sewer Manhole | 21156       | 100 STONEHENGE DR |  | UPPER SINKING FORK | CATCH BASIN  |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062240     | 05/02/10 07:03 AM | MORRISON            | BRIGHT             | DOCUMENTED          | 02/17/00          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 06:45 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 3,962,700 GAL   |
| Cause:            | SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED        |
| Control Zone:     | MSD PERSONNEL SET OUT BARRICADES AND TEMPORARY SIGNS ON THE PUMP                    |
| Impact:           | SEWAGE VISIBLE AROUND PUMPED DISCHARGE SITE   |
| Repair:           | THIS LOCATION IS IN THE INTERIM SANITARY SEWER DISCHARGE PLAN                       |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 07:03 AM | DISPUB | MSD PERSONNEL PLACED SIGNS   |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status     | Event Date | Problem         | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|------------------|------------|-----------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1062621 | 05/02/10 08:22 PM | MORRISON     | BRIGHT      | FORCE<br>MAJEURE | 08/04/09   | PUMPED OVERFLOW | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 09:15<br>AM |           |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 1,692,900 GAL  |
| Cause:            | PUMPS SET TO ALLEVIATE PROPERTY DAMAGE AND BASEMENT FLOODING DUE TO WET WEATHER. |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE OVERFLOW SITE ONCE THE RAIN SUBSIDED     |
| Control Zone:     | BARRICADES AND SIGN NOTIFICATIONS  |
| Impact:           | STORM WATER PUMPED TO CREEK.   |
| Repair:           | THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT                             |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 08:56 PM | DISPUB | DISCHARGE SIGNS WERE PUT OUT BY MSD CREWS  |
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062268     | 05/02/10 07:31 AM | SINGLETON           | ANDERSON           | DOCUMENTED          | 12/16/00          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 05:00 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 45,000 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA  |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | SIGNS POSTED AROUND THE AREA  |
| Impact:           | SEWAGE OBSERVED   |
| Repair:           | THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 07:31 AM | DISPUB | SIGNS POSTED AROUND THE AREA   |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To         | Disch Status | Event Date | Problem                    | Result                                | Completed            | Condition |
|------------------------------|---------|-------------------|--------------|---------------------|--------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062261 | 05/02/10 08:05 AM | SINGLETON    | RHEINLAENDE<br>R JR | DOCUMENTED   | 12/16/07   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/02/10 06:27<br>PM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 6,220 GAL   |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                                    |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | TEMPORARY SIGNS PLACED AROUND THE AREA  |
| Impact:           | SEWAGE OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 08:05 AM | DISPUB | TEMPORARY SIGNS PLACED AROUND THE AREA   |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062568 | 05/02/10 08:36 AM | JOHNSON JR   | GRIFFITH    | DOCUMENTED   | 02/18/00   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/11/10 07:11 AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 110,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1064282  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS WERE PLACED AROUND DISCHARGE AREA                            |
| Impact:           | LIGHT DEBRIS AND SOLIDS OBSERVED AROUND IMPACTED AREA   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 01:20 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |





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

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

| Facility Type     | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|---------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | 26650       | 3715 BRIARBRIDGE LN |  | SOUTH FORK BEARGRASS CREEK | STREAM       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062563 | 05/02/10 08:31 AM | JOHNSON JR   | GRIFFITH    | DOCUMENTED   | 03/19/08   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 07:05 AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 23,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NONE NEEDED DUE TO MAGNITUDE OF STORM   |
| Control Zone:     | TEMPORARY SIGNS   |
| Impact:           | NONE OBSERVED-DUE TO MAGNITUDE OF STORM   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 08:03 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | 26651       | 3618 KLONDIKE LN |  | SOUTH FORK BEARGRASS CREEK | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062607     | 05/02/10 12:34 PM | JOHNSON JR          | GRIFFITH           | DOCUMENTED          | 04/04/08          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 07:07 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 210,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065384  |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS AND BARRICADE PLACE AROUND DISCHARGE                              |
| Impact:           | LIGHT DEBRIS OBSERVED AT DISCHARGE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 01:38 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGER TO AVOID CONTACT WITH DISCHARGE  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address   | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|-------------------|-------------|--------------------|--|-------------------------------|--------------|
| SMH Sewer Manhole | 26752       | 3317 BROWNSBORO RD |  | MUDDY FORK<br>BEARGRASS CREEK | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062589     | 05/02/10 12:15 PM | CLARK               | GRIFFITH           | DOCUMENTED          | 04/04/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/04/10 12:10<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 97,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP REQUIRED   |
| Control Zone:     | PERMANENT SIGNS AND CAUTION TAPE AROUND DISCHARGE   |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 10:59 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMENT SIGNS TO AVOID DISCHARGE   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u>        | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|---|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISSUS: SUSPECTED<br>OVERFLOW EVID. FOUND | 1071649     | 05/12/10 01:20 PM | FIELDS              | GRIFFITH           | DOCUMENTED          | 04/04/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/12/10 01:25<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 100 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1071659  |
| Control Zone:     | CAUTION TAPE PLACED AROUND DISCHARGE  |
| Impact:           | LIGHT SOLIDS AND DEBRIS AROUND DISCHARGE AREA   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 05/12/10 03:02 PM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID CONTACT WITH DISCHARGE |
|-------------------|--------|---|



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

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062599     | 05/02/10 12:02 PM | CLARK               | GRIFFITH           | DOCUMENTED          | 09/02/03          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/04/10 01:15<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 175,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065130  |
| Control Zone:     | CAUTION TAPE, PERMANENT SIGNS, AND BARRICADES WERE PLACED AT DISCHARGE                        |
| Impact:           | SOLIDS AND DEBRIS OBSERVED AT DISCHARGE   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 10:33 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGE   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1081891     | 05/21/10 11:41 PM | FIELDS              | GRIFFITH           | DOCUMENTED          | 09/02/03          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/22/10 12:45<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,500 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NONE NEEDED   |
| Control Zone:     | COULDN'T ACCESS DISCHARGE DUE TO HIGH CREEK LEVELS  |
| Impact:           | NONE OBSERVED-DUE TO CREEK LEVELS   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/24/10 09:44 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/24/10 09:58 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/22/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u>        | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|---|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISSUS: SUSPECTED<br>OVERFLOW EVID. FOUND | 1094013     | 06/09/10 05:40 PM | FIELDS              | GRIFFITH           | DOCUMENTED          | 09/02/03          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/09/10 05:45<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 50 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1094024  |
| Control Zone:     | NONE NEEDED   |
| Impact:           | VERY LIGHT DEBRIS OBSERVED AROUND DISCHARGE SITE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/10/10 07:44 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT SIGNS AROUND DISCHARGE LOCATION TO AVOID DISCHARGE CONTENT |
|-------------------|--------|--|



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

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

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

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062555 | 05/02/10 07:43 AM | JOHNSON JR   | GRIFFITH    | DOCUMENTED   | 05/30/04   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 06:47 AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 61,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1064378  |
| Control Zone:     | CAUTION TAPE AND TEMPPORARY SIGNS WERE PLACED AROUND IMPACTED AREA                            |
| Impact:           | LIGHT DEBRIS AND SOLIDS OBSERVED AROUND DISCHARGE AREA  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 02:40 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |





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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | 30681       | 3401 FOUNTAIN DR |  | SOUTH FORK BEARGRASS CREEK | GROUND       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062550 | 05/02/10 07:45 AM | JOHNSON JR   | GRIFFITH    | DOCUMENTED   | 10/18/04   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 06:48 AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 27,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEEDED DUE TO MAGNITUDE OF STORM   |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS WERE PLACED AROUND IMPACTED AREA                                  |
| Impact:           | NONE OBSERVED   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 02:13 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMP SIGNS TO AVOID DIRECT CONTACT WITH DICHARGED CONTENT   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type  | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|----------------|-------------|-------------------|--|------------------|--------------|
| SMN Sewer Main | 32519       | 5508 HEMPSTEAD RD |  | LONGVIEW CREEK   | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u>       | <u>Event Date</u> | <u>Problem</u>     | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------------|-------------------|--------------------|---------------------------------|-------------------|------------------|
| DISDW: DRY WEATHER DISCHARGE       | 1101797     | 06/30/10 01:30 PM | BRIGHT              | KAUFMAN            | REPAIRED - ISSUE RESOLVED | 06/30/10          | STRUCTURAL FAILURE | UNAUTHORIZED DISCHARGE - WATERS | 06/30/10 03:00 PM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 90 GAL  |
| Cause:            | STRUCTURAL FAILURE OF MAIN SEWER  |
| Clean Up:         | NO CLEAN UP PERFORMED- PIPE DISCHARGING UNDERWATER, DIRECTLY INTO STREAM  |
| Control Zone:     | PLACED TEMPORARY SIGNS AROUND IMPACTED AREA AND APROX 100' DOWNSTREAM ALONG STREAM                                    |
| Impact:           | DISCOLORATION OF STREAM   |
| Repair:           | TEMPORARY REPAIRS (SEALED LEAKING SPOTS WITH HYDRAULIC CEMENT) UNTIL CONTRACTOR CAN REPLACE LEAKING SECTIONS OF SEWER |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/30/10 01:58 PM | DISPUB | ADVISED ALL POSSIBLE IMPACTED PROPERTIES IN SURROUNDING AREA BY DOOR CARD  |
| 06/30/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

|                      |                    |                         |   |                               |                     |
|----------------------|--------------------|-------------------------|---|-------------------------------|---------------------|
| <b>Facility Type</b> | <b>Facility ID</b> | <b>Facility Address</b> | <b>If Pump Station, Name of Pump Station:</b> | <b>Receiving Stream</b>       | <b>Discharge to</b> |
| SMH Sewer Manhole    | 40871              | 2120 INDIAN HILLS TRL   |   | MUDDY FORK<br>BEARGRASS CREEK | DITCH               |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u>  | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|---------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062289     | 05/02/10 09:30 AM | SINGLETON           | RHEINLAENDE<br>R JR | DOCUMENTED          | 03/04/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 08:00<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 51,750 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                                    |
| Clean Up:         | NO DEBRIS   |
| Control Zone:     | BARRICADES SET UP   |
| Impact:           | SEWAGE WATER OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/03/10 08:00 PM | DISPUB | BARRICADES SET UP  |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u>  | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|---------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062272     | 05/02/10 09:30 AM | SINGLETON           | RHEINLAENDE<br>R JR | DOCUMENTED          | 12/15/07          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 08:00<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 103,500 GAL   |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                                    |
| Clean Up:         | NO DEBRIS   |
| Control Zone:     | BARRICADES SET UP   |
| Impact:           | SEWAGE WATER OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/03/10 08:00 PM | DISPUB | BARRICADES SET UP  |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type     | Facility ID | Facility Address          | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|-------------------|-------------|---------------------------|--|-------------------------------|--------------|
| SMH Sewer Manhole | 41374       | 300 MOCKINGBIRD VALLEY RD |  | MUDDY FORK<br>BEARGRASS CREEK | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062588     | 05/02/10 12:21 PM | CLARK               | GRIFFITH           | DOCUMENTED          | 03/27/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/04/10 12:12<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 57,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP REQUIRED   |
| Control Zone:     | PERMANENT SIGNS PLACED AT DISCHARGE-REMOTE ACCESS   |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 10:55 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMENENT SIGNS TO AVOID DISCHARGE   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 43472       | 8409 SABERDEE DR |  | GOOSE CREEK      | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062270     | 05/02/10 07:05 AM | SINGLETON           | ANDERSON           | DOCUMENTED          | 03/04/08          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 12:10 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 51,250 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA  |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | SIGNS POSTED AROUND THE AREA  |
| Impact:           | SEWAGE & DEBRIS WAS OBSERVED  |
| Repair:           | THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 07:05 AM | DISPUB | SIGNS POSTED AROUND THE AREA   |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|-------------------|-------------|------------------|--|-------------------------------|--------------|
| SMH Sewer Manhole | 44396       | 1635 BELMAR DR   |  | MUDDY FORK<br>BEARGRASS CREEK | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1065357     | 05/02/10 05:45 AM | MITCHELL            | GRIFFITH           | DOCUMENTED          | 04/04/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/11/10 12:28<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 77,760 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065366  |
| Control Zone:     | CAUTION TAPE AND BARRICADE  |
| Impact:           | SOLIDS AND DEBRIS AROUND DISCHARGE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 05/05/10 03:18 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGE  |
| 05/07/10 01:28 PM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address   | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|--------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 45447       | 7004 BEAR CREEK DR |  | MIDDLE FORK<br>BEARGRASS CREEK | GROUND       |

| <u>Activity Code / Description</u>        | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|---|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISSUS: SUSPECTED<br>OVERFLOW EVID. FOUND | 1065539     | 05/05/10 04:25 PM | FRENCH              | MARCONI            | SUSPECTED           | 05/05/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/05/10 04:30<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 5 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY                                 |
| Clean Up:         | RAKED AND LIMED ENTIRE AFFECTED AREA AROUND THE MANHOLE |
| Control Zone:     | NO CONTROL ZONE SET UP                                  |
| Impact:           | PAPER OBSERVED AROUND RIM, CASTING AND MANHOLE COVER    |
| Repair:           | FURTHER INVESTIGATION REQUIRED                          |

**Notifications:**

|                   |        |                                 |
|-------------------|--------|---------------------------------|
| 05/06/10 08:21 AM | DISPUB | No public notification was made |
|-------------------|--------|---------------------------------|





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

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

| Facility Type     | Facility ID | Facility Address      | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|-----------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 45800       | 2413 SPRING VALLEY LN |  | MIDDLE FORK<br>BEARGRASS CREEK | STREAM       |

| <u>Activity Code / Description</u>        | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u>             | <u>Event Date</u> | <u>Problem</u>        | <u>Result</u>                        | <u>Completed</u>     | <u>Condition</u> |
|---|-------------|-------------------|---------------------|--------------------|---------------------------------|-------------------|-----------------------|--------------------------------------|----------------------|------------------|
| DISSUS: SUSPECTED<br>OVERFLOW EVID. FOUND | 1097900     | 06/22/10 02:55 PM | FRENCH              | LEVITZ             | REPAIRED -<br>ISSUE<br>RESOLVED | 06/22/10          | STRUCTURAL<br>FAILURE | UNAUTHORIZED<br>DISCHAGE -<br>WATERS | 06/22/10 03:00<br>PM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 5 GAL   |
| Cause:            | STRUCTURAL FAILURE OF DOWNSTREAM MAIN SEWER LINE (SMN 45800 27012-LH) |
| Clean Up:         | I&FP PERFORMING REPAIRS AND CLEANUP                                   |
| Control Zone:     | NO CONTROL ZONE SETUP   |
| Impact:           | DEBRIS OBSERVED AROUND MANHOLE AND EXPOSED SEWER LINE                 |
| Repair:           | MAIN SEWER REPAIR UNDERWAY  |

**Notifications:**

|                   |        |                                  |
|-------------------|--------|----------------------------------|
| 06/23/10 11:30 AM | DISPUB | No public notification was made. |
|-------------------|--------|----------------------------------|

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

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

| <u>Activity Code / Description</u>        | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u>             | <u>Event Date</u> | <u>Problem</u>        | <u>Result</u>                        | <u>Completed</u>     | <u>Condition</u> |
|---|-------------|-------------------|---------------------|--------------------|---------------------------------|-------------------|-----------------------|--------------------------------------|----------------------|------------------|
| DISSUS: SUSPECTED<br>OVERFLOW EVID. FOUND | 1097904     | 06/22/10 02:55 PM | FRENCH              | LEVITZ             | REPAIRED -<br>ISSUE<br>RESOLVED | 06/22/10          | STRUCTURAL<br>FAILURE | UNAUTHORIZED<br>DISCHAGE -<br>WATERS | 06/22/10 03:00<br>PM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 5 GAL   |
| Cause:            | STRUCTURAL FAILURE OF MAIN SEWER LINE                 |
| Clean Up:         | I&FP PERFORMING REPAIRS AND CLEANUP                   |
| Control Zone:     | NO CONTROL ZONE SETUP                                 |
| Impact:           | DEBRIS OBSERVED AROUND MANHOLE AND EXPOSED SEWER LINE |
| Repair:           | WORK ORDER 1097867 - REPAIRED MAIN SEWER              |

**Notifications:**

|                   |        |                                  |
|-------------------|--------|----------------------------------|
| 06/23/10 11:34 AM | DISPUB | No public notification was made. |
|-------------------|--------|----------------------------------|



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 45829       | 2002 MILLVALE RD |  | MIDDLE FORK<br>BEARGRASS CREEK | GROUND       |

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|--------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1094356 | 06/09/10 12:35 PM | FRENCH       | GITTINGS    | DOCUMENTED   | 06/09/10   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/09/10 02:12<br>PM |           |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 2,425 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN EVENT.  |
| Clean Up:         | NO CLEAN UP REQUIRED.  |
| Control Zone:     | NO CONTROL ZONE SET UP.  |
| Impact:           | OVERFLOW OBSERVED AT MANHOLE PICKHOLES, ABOUT 25GPM. NO SOLIDS OR DEBRIS OBSERVED. |
| Repair:           | A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP.                              |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 06/10/10 04:46 PM | DISPUB | Permanent overflow warning signs are posted warning the public to avoid the stream.   |
| 06/11/10 11:13 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 45832       | 2167 MILLVALE RD |  | MIDDLE FORK<br>BEARGRASS CREEK | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1094352     | 06/09/10 12:35 PM | FRENCH              | GITTINGS           | DOCUMENTED          | 06/09/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/09/10 02:12<br>PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 2,425 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN EVENT                                     |
| Clean Up:         | NO CLEAN UP REQUIRED   |
| Control Zone:     | NO CONTROL ZONE SET UP   |
| Impact:           | OVERFLOW OBSERVED AT PICKHOLES IN MANHOLE - NO SOLIDS OR DEBRIS OBSERVED |
| Repair:           | A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP                     |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 06/10/10 04:40 PM | DISPUB | Permanent overflow signs posted warning the public to avoid the stream.   |
| 06/11/10 11:17 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|--------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1062601 | 05/02/10 12:02 PM | CLARK        | GRIFFITH    | DOCUMENTED   | 09/02/03   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/10/10 07:15<br>AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 197,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065143  |
| Control Zone:     | BARRICADES, PERMANENT SIGNS AND CAUTION TAPE PLACED AROUND DISCHARGE                          |
| Impact:           | SOLIDS AND DEBRIS OBSERVED AROUND DISCHARGE   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 10:47 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DISCHARGE   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1094346     | 06/09/10 12:35 PM | FRENCH              | GITTINGS           | DOCUMENTED          | 09/02/03          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/09/10 02:12<br>PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 9,700 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN EVENT                       |
| Clean Up:         | NO CLEAN UP REQUIRED                                       |
| Control Zone:     | NO CONTROL ZONE SET  |
| Impact:           | OVERFLOW OBSERVED AT MANHOLE, NO SOLIDS OR DEBRIS OBSERVED |
| Repair:           | A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE IOAP       |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 06/10/10 04:36 PM | DISPUB | Permanent overflow warning signs posted to warn the public to avoid the stream.   |
| 06/11/10 11:15 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 47583       | 202 OXMOOR LN    |  | MIDDLE FORK<br>BEARGRASS CREEK | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062598     | 05/02/10 09:03 AM | CLARK               | GRIFFITH           | DOCUMENTED          | 02/06/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 01:55<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 125,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NONE NEED-VERY REMOTE LOCATION  |
| Control Zone:     | NONE NEEDED-VERY REMOTE ACCESS  |
| Impact:           | NONE OBSERVED   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 11:34 AM | DISPUB | PUBLIC NOTIFIED THROUGH PERMANENT SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|-------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 47593       | 8021 CHRISTIAN CT |  | MIDDLE FORK<br>BEARGRASS CREEK | GROUND       |

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|--------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1062592 | 05/02/10 09:35 AM | CLARK        | GRIFFITH    | DOCUMENTED   | 03/19/08   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 09:19<br>AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 136,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1063615  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS WERE PLACED AROUND DISCHARGE AREA                            |
| Impact:           | HEAVY DEBRIS AND SOLIDS AROUND IMPACTED AREA  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 09:29 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |





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

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

| Facility Type     | Facility ID | Facility Address      | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|-----------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 47596       | 7410 STEEPLECREST CIR |  | MIDDLE FORK<br>BEARGRASS CREEK | GROUND       |

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status     | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|------------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1062586 | 05/02/10 08:45 AM | CLARK        | GRIFFITH    | FORCE<br>MAJEURE | 05/02/10   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 10:20<br>AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 21,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY- HEAVY RAIN   |
| Clean Up:         | NO CLEANUP NECESSARY DUE TO MAGNITUDE OF STORM  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS WERE PLACED AROUND DISCHARGED AREA                           |
| Impact:           | NO DEBRIS OBSERVED DUE TO MAGNITUDE OF STORM  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 07:56 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|---------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 47604       | 8016 SHELBYVILLE RD |  | MIDDLE FORK<br>BEARGRASS CREEK | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062591     | 05/02/10 09:47 AM | CLARK               | GRIFFITH           | DOCUMENTED          | 03/19/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 09:15<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 29,500 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1063532  |
| Control Zone:     | CAUTION TAPE, TEMPORARY SIGNS, BARRICADES WERE PLACE AROUND DISCHARGE AREA                    |
| Impact:           | LIGHT SOLIDS AND DEBRIS OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 08:45 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|-------------------|-------------|------------------|--|-------------------------------|--------------|
| SMH Sewer Manhole | 48885       | 2201 GERALD CT   |  | SOUTH FORK<br>BEARGRASS CREEK | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                        | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|--------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062561     | 05/02/10 08:05 AM | JOHNSON JR          | GRIFFITH           | FORCE<br>MAJEURE    | 08/04/09          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHAGE -<br>WATERS | 05/03/10 06:56<br>AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 24,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN   |
| Clean Up:         | NONE NEEDED DUE TO MAGNITUDE OF STORM  |
| Control Zone:     | CAUTION TAPE AND TEMPORAY SIGNS WERE PLACE AROUND DISCHARGE SITE                             |
| Impact:           | NO IMPACT OBSERVED DUE TO MAGNITUDE OF STORM   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 07:44 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|-------------------|-------------|------------------|--|-------------------------------|--------------|
| SMH Sewer Manhole | 49513       | 2500 WYETH CT    |  | SOUTH FORK<br>BEARGRASS CREEK | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1065375     | 05/02/10 08:55 AM | JOHNSON JR          | GRIFFITH           | FORCE<br>MAJEURE    | 05/02/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 07:21<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 72,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065384  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACED AT DISCHARGE  |
| Impact:           | SOLIDS AND DEBRIS OBSERVED AROOUND DISCHARGE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 05/05/10 03:30 PM | DISPUB | PUBLIC NOTIFIED WITH TEMPORARY SIGNS  |
| 05/07/10 01:49 PM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

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

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062557 | 05/02/10 07:50 AM | JOHNSON JR   | GRIFFITH    | DOCUMENTED   | 12/15/07   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 12:08 PM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 250 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NONE NEEDED DUE TO MAGNITUDE OF STORM   |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS WERE PLACED AROUND DISCHARGE AREA                            |
| Impact:           | NONE OBSERVED DUE TO MAGNITUDE OF STORM   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 01:41 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|-------------------|-------------|-------------------|--|-------------------------------|--------------|
| SMH Sewer Manhole | 49673       | 3623 BARDSTOWN RD |  | SOUTH FORK<br>BEARGRASS CREEK | CATCH BASIN  |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062604     | 05/02/10 11:57 AM | JOHNSON JR          | GRIFFITH           | DOCUMENTED          | 04/04/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 06:53<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 2,900 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEEDED   |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACED AT DISCHARGE   |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 02:10 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGE   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address     | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|-------------------|-------------|----------------------|--|-------------------------------|--------------|
| SMH Sewer Manhole | 51160       | 3305 INDIAN CREEK CT |  | SOUTH FORK<br>BEARGRASS CREEK | GROUND       |

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|--------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1062585 | 05/02/10 07:59 AM | MITCHELL     | GRIFFITH    | DOCUMENTED   | 04/04/08   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/04/10 07:00<br>AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 288,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065173  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACED AT DISCHARGE  |
| Impact:           | LIGHT DEBRIS OBSERVED AT DISCHARGE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 11:12 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | 51301       | 4200 LEE AVE     |  | SOUTH FORK BEARGRASS CREEK | GROUND       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                         | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|--------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062584 | 05/02/10 05:30 AM | MITCHELL     | GRIFFITH    | DOCUMENTED   | 09/20/09   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHAGE - WATERS | 05/11/10 12:45 PM |           |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 144,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY  |
| Clean Up:         | DISCLN WO# 1065189   |
| Control Zone:     | TEMPORARY SIGNS AND CAUTION TAPE AROUND DISCHARGE  |
| Impact:           | LIGHT SOLIDS AND DEBRIS OBSERVED AROUND DISCHARGE  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED N DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 11:34 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1081894     | 05/21/10 09:35 AM | MITCHELL            | GRIFFITH           | DOCUMENTED          | 09/20/09          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/25/10 06:11<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 9,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1082030  |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACED AT IMPACTED AREA   |
| Impact:           | VERY LIGHT DEBRIS OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEREW DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/24/10 08:30 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGE   |
| 05/24/10 09:56 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/22/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address   | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|--------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | 51594       | 1418 TREVILIAN WAY |  | SOUTH FORK BEARGRASS CREEK | DITCH        |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|--------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1062230 | 05/01/10 08:45 AM | MITCHELL     | GRIFFITH    | DOCUMENTED   | 09/12/06   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 10:49 AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 72,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065346  |
| Control Zone:     | CAUTION TAPE AND BARRICADE PLACED AT DISCHARGE  |
| Impact:           | SOLIDS AND DEBRIS OBSERVED AT DISCHARGE   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/01/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 03:02 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGE   |
| 05/01/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1081895     | 05/21/10 07:24 PM | MITCHELL            | GRIFFITH           | DOCUMENTED          | 09/12/06          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/25/10 12:00<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 9,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 3711111  |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACED AROUND IMPACTED AREA                                       |
| Impact:           | LIGHT DEBRIS OBSERVED AROOUND DISCHARGE   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/24/10 08:43 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DISCHARGE  |
| 05/24/10 09:51 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/22/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream   | Discharge to |
|-------------------|-------------|------------------|--|--------------------|--------------|
| SMH Sewer Manhole | 65633       | 4640 BARBOUR LN  |  | LITTLE GOOSE CREEK | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062314     | 05/02/10 10:00 AM | SINGLETON           | RHEINLAENDE R JR   | DOCUMENTED          | 04/04/08          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 07:20 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 112,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA                       |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | TEMPORARY SIGNS POSTED  |
| Impact:           | DEBRIS OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL MONITOR & EVALUATE FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 10:00 AM | DISPUB | TEMPORARY SIGNS POSTED   |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address        | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|-------------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | 72571-X     | 4600 CHAMPIONS TRACE LN |  | SOUTH FORK BEARGRASS CREEK | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062325     | 05/02/10 06:11 AM | GRIFFITH            | GRIFFITH           | DOCUMENTED          | 11/29/01          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/04/10 07:56 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 2,772,175 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN EVENT  |
| Clean Up:         | PIPE DISCHARGE SUBMERGED - CLEAN UP NOT REQUIRED                                      |
| Control Zone:     | PERMANENT SIGNS POSTED, NO CONTROL ZONE SET   |
| Impact:           | NO VISUAL OBSERVATION, OVERFLOW REPORTED BASED ON TELEMTRY                            |
| Repair:           | A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTERIM SANITARY SEWER DISCHARGE PLAN |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/07/10 09:55 AM | DISPUB | PERMANENT SIGNS POSTED   |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1081888     | 05/21/10 09:10 PM | GRIFFITH            | GRIFFITH           | DOCUMENTED          | 11/29/01          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/22/10 12:10<br>AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 279,825 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN EVENT                         |
| Clean Up:         | NO CLEAN UP REQUIRED   |
| Control Zone:     | NO CONTROL ZONE SET, PIPE DISCHARGES DIRECTLY TO STREAM      |
| Impact:           | NO IMPACT OBSERVED, PIPE DISCHARGES DIRECTLY TO STREAM       |
| Repair:           | A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE INTERIM SSDP |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/24/10 09:59 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 06/01/10 09:23 AM | DISPUB | PERMANENT SIGNS ARE POSTED AT THIS LOCATION ADVISING THE PUBLIC TO AVOID THE STREAM.   |
| 05/22/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1093859     | 06/09/10 02:00 PM | GRIFFITH            | GRIFFITH           | DOCUMENTED          | 11/29/01          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/10/10 12:54<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 349,912 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN EVENT.   |
| Clean Up:         | NO CLEANUP REQUIRED - PIPE DISCHARGES DIRECTLY TO STREAM, UNDERWATER.             |
| Control Zone:     | NO CONTROL ZONE SETUP, NO PUBLIC ACCESS. PERMANENT OVERFLOW WARNING SIGNS POSTED. |
| Impact:           | DISCOLORATION OF STREAM.  |
| Repair:           | A SOLUTION FOR THIS LOCATION IS INCLUDED IN THE ISSDP.                            |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/09/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 06/10/10 03:47 PM | DISPUB | Permanent overflow warning signs posted at this location warning the public to avoid the stream.   |
| 06/09/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|-------------------|--|------------------|--------------|
| SMH Sewer Manhole | 78607       | 5506 HEMPSTEAD RD |  | LONGVIEW CREEK   | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u>       | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISDW: DRY WEATHER DISCHARGE       | 1078254     | 05/17/10 08:39 PM | KIMBROUGH           | KIMBROUGH          | REPAIRED - ISSUE RESOLVED | 05/17/10          | ROOTS          | UNAUTHORIZED DISCHARGE - WATERS | 05/17/10 09:37 PM | MAIN             |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 65 GAL   |
| Cause:            | ROOT BLOCKAGE IN MAIN SEWER                                  |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA        |
| Control Zone:     | PLACED TEMPORARY SIGNS AROUND THE IMPACTED AREA              |
| Impact:           | SEWAGE/WATER DISCHARGING FROM MANHOLE                        |
| Repair:           | WORK ORDER 1078261 - FLUSHED THE MANHOLE ROOT CUT MAIN SEWER |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/17/10 08:39 PM | DISPUB | POSTED SIGNS IN THE AREA   |
| 05/17/10 08:39 PM | DISPUB | ADVISED THE CUSTOMER ON SITE   |
| 05/17/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|------------------------|-------------|------------------|--|-------------------------------|--------------|
| SSL Sewer Service Line | 85052D      | 4341 PRUITT CT   |  | SOUTH FORK<br>BEARGRASS CREEK | GROUND       |

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status     | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|------------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1063162 | 05/02/10 11:25 AM | JOHNSON JR   | GRIFFITH    | FORCE<br>MAJEURE | 08/04/09   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 06:39<br>AM | MAIN      |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 100 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN   |
| Clean Up:         | NO CLEANUP NEEDED  |
| Control Zone:     | CAUTION TAPE PLACED AT DISCHARGE   |
| Impact:           | NO IMPACT OBSERVED   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DICHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/04/10 09:47 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/05/10 02:25 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGER TO AVOID DIRECT CONTACT WITH DISCHARGE   |
| 05/03/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|------------------|--|------------------|--------------|
| SSL Sewer Service Line | 85055       | 4345 PRUITT CT   |  | BUECHEL BRANCH   | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1063144     | 05/02/10 11:25 AM | JOHNSON JR          | GRIFFITH           | FORCE MAJEURE       | 08/04/09          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 06:40 AM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 100 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEEDED   |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACED AROUND DISCHARGE   |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/04/10 09:41 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/05/10 02:16 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/03/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|------------------|--|------------------|--------------|
| SSL Sewer Service Line | 85065       | 4307 PRUITT CT   |  | BUECHEL BRANCH   | GROUND       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status  | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|---------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1063161 | 05/02/10 11:07 AM | JOHNSON JR   | GRIFFITH    | FORCE MAJEURE | 08/04/09   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 06:34 AM | MAIN      |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 100 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEEDED   |
| Control Zone:     | CAUTION TAPE PLACED AT DISCHARGE  |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/04/10 09:44 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/05/10 02:35 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/03/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|------------------|--|------------------|--------------|
| SSL Sewer Service Line | 85075       | 4317 PRUITT CT   |  | BUECHEL BRANCH   | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1063152     | 05/03/10 11:15 AM | JOHNSON JR          | GRIFFITH           | FORCE MAJEURE       | 08/04/09          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/04/10 06:36 AM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 100 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY   |
| Clean Up:         | NO CLEANUP NEEDED   |
| Control Zone:     | CAUTION TAPE PLACED AT DISCHARGE  |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/05/10 02:30 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/03/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|------------------|--|------------------|--------------|
| SSL Sewer Service Line | 85076       | 4319 PRUITT CT   |  | BUECHEL BRANCH   | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1063150     | 05/02/10 11:17 AM | JOHNSON JR          | GRIFFITH           | FORCE<br>MAJEURE    | 08/04/09          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 06:35<br>AM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 350 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065328  |
| Control Zone:     | CAUTION TAPE PLACED AT DISCHARGE  |
| Impact:           | LIGHT DEBRIS OBSERVED   |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/04/10 09:46 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/05/10 02:39 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/03/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type     | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream               | Discharge to |
|-------------------|-------------|-------------------|--|--------------------------------|--------------|
| SMH Sewer Manhole | 90700       | 8021 CHRISTIAN CT |  | MIDDLE FORK<br>BEARGRASS CREEK | CATCH BASIN  |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                        | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|--------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062593     | 05/02/10 09:30 AM | CLARK               | GRIFFITH           | DOCUMENTED          | 03/19/08          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHAGE -<br>WATERS | 05/03/10 09:30<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 31,000 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEEDED DUE TO MAGNITUDE  |
| Control Zone:     | BARRICADE, CAUTION TAPE, TEMPORARY SIGN PLACED AROUND IMPACTED AREA                           |
| Impact:           | NO IMPACT OBSERVED DUE TO MAGNITUDE OF STORM  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/04/10 10:24 AM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS AND TEMPORARY SIGNS TO AVOID DIRECT CONTACT WITH DISCHARGED CONTENT                                   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 91781       | 2515 WOODSIDE RD |  | LONGVIEW CREEK   | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062436     | 05/02/10 02:15 PM | SINGLETON           | DUNN JR            | FORCE MAJEURE       | 05/02/10          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 10:20 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 84,000 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVNT IN THE AREA                                     |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | TEMPORARY SIGNS SET UP  |
| Impact:           | SEWAGE & DEBRIS OBSERVED  |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 02:22 PM | DISPUB | TEMPORARY SIGNS POSTED   |
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream  | Discharge to |
|-------------------|-------------|-------------------|--|-------------------|--------------|
| SMH Sewer Manhole | 99259       | 3536 FINCASTLE RD |  | CAMP TAYLOR DITCH | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062537     | 05/02/10 02:37 PM | GRIFFITH            | GRIFFITH           | DOCUMENTED          | 07/29/09          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 10:44 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 4,320 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEEDED   |
| Control Zone:     | CAUTION TAPE AND TEMP SIGNS PLACED AT DISCHARGE   |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/06/10 12:45 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID CONTACT WITH DISCHARGE   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |





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

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

| Facility Type          | Facility ID | Facility Address   | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|------------------------|-------------|--------------------|--|-------------------------------|--------------|
| SSL Sewer Service Line | BU05074039  | 3305 BENT CREEK CT |  | SOUTH FORK<br>BEARGRASS CREEK | GROUND       |

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status     | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|------------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1063203 | 05/02/10 07:40 AM | MITCHELL     | GRIFFITH    | FORCE<br>MAJEURE | 08/04/09   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 11:02<br>AM | MAIN      |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 144,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | NO CLEANUP NEEDED   |
| Control Zone:     | BARRICADE AND TEMP SIGNS  |
| Impact:           | NO IMPACT OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY SEWER DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/04/10 09:48 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/05/10 01:15 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/03/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type          | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|------------------------|-------------|---------------------|--|-------------------------------|--------------|
| SSL Sewer Service Line | BU05091039  | 3303 TROUT CREEK DR |  | SOUTH FORK<br>BEARGRASS CREEK | GROUND       |

| Activity Code / Description     | WO #    | Initiated         | Initiated By | Assigned To | Disch Status     | Event Date | Problem                    | Result                                | Completed            | Condition |
|---------------------------------|---------|-------------------|--------------|-------------|------------------|------------|----------------------------|---------------------------------------|----------------------|-----------|
| DISREV: RAIN EVENT<br>DISCHARGE | 1063199 | 05/02/10 07:27 AM | MITCHELL     | GRIFFITH    | FORCE<br>MAJEURE | 08/04/09   | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 10:38<br>AM | MAIN      |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 144,000 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY-HEAVY RAIN  |
| Clean Up:         | DISCLN WO# 1065279  |
| Control Zone:     | CAUTION TAPE AND TEMPORARY SIGNS PLACED AT DISCHARGE                                    |
| Impact:           | LIGHT SOLIDS AND DEBRIS OBSERVED  |
| Repair:           | THIS LOCATION IS INCLUDED IN THE SANITARY DISCHARGE PLAN SUBMITTED ON DECEMBER 31, 2008 |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/04/10 09:43 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                |
| 05/05/10 01:23 PM | DISPUB | PUBLIC NOTIFIED THROUGH DOOR HANGERS TO AVOID DISCHARGE  |
| 05/03/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type     | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|---------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | CSO018      | 1800 NIGHTINGALE RD |  | SOUTH FORK BEARGRASS CREEK | STREAM       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status              | Event Date | Problem            | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|---------------------------|------------|--------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1068824 | 05/08/10 12:04 AM | ELDER        | KARCHER     | REPAIRED - ISSUE RESOLVED | 05/08/10   | MECHANICAL FAILURE | UNAUTHORIZED DISCHARGE - WATERS | 05/08/10 12:47 AM |           |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 22,147 GAL  |
| Cause:            | #1 PUMP WAS AIRLOCKED.                                |
| Clean Up:         | PIPE DISCHARGE SUBMERGED- NO CLEANUP                  |
| Control Zone:     | PIPE DISCHARGE SUBMERGED- NO CONTROL ZONE             |
| Impact:           | NO IMPACT OBSERVED                                    |
| Repair:           | MANUALLY BLED AIR OFF PUMP & PUMP BEGAN PUMPING AGAIN |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/08/10 01:32 AM | DISPUB | Permanent overflow advisory signs are in place along stream.   |
| 05/08/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/08/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type     | Facility ID | Facility Address     | If Pump Station, Name of Pump Station: | Receiving Stream           | Discharge to |
|-------------------|-------------|----------------------|--|----------------------------|--------------|
| SMH Sewer Manhole | CSO151      | 1316 CASTLEWOOD DELL |  | SOUTH FORK BEARGRASS CREEK | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u>       | <u>Event Date</u> | <u>Problem</u>                 | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------------|-------------------|--------------------------------|---------------------------------|-------------------|------------------|
| DISDW: DRY WEATHER DISCHARGE       | 1094528     | 06/10/10 09:15 AM | FRENCH              | GRIFFITH           | REPAIRED - ISSUE RESOLVED | 06/10/10          | OBSTRUCTION-NOT GREASE / ROOTS | UNAUTHORIZED DISCHARGE - WATERS | 06/10/10 09:15 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 15,396 GAL  |
| Cause:            | CAUSE OF OVERFLOW IS UNKNOWN, IT IS BELIEVED THAT A TEMPORARY OBSTRUCTION IN THE SIPHON COULD POSSIBLY HAVE CAUSED OVERFLOW |
| Clean Up:         | NO CLEAN UP OCCURRED.   |
| Control Zone:     | NO CONTROL ZONE WAS SET UP.   |
| Impact:           | NO IMPACT WAS OBSERVED.   |
| Repair:           | NO REPAIR OR REMEDIAL ACTION TAKEN.   |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 06/11/10 12:09 PM | DISPUB | No public notification occurred.  |
| 06/11/10 01:36 PM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type     | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|-------------------|-------------|-------------------|--|-------------------------------|--------------|
| SMH Sewer Manhole | CSO153      | 1201 LEXINGTON RD |  | SOUTH FORK<br>BEARGRASS CREEK | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u>       | <u>Event Date</u> | <u>Problem</u>                 | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------------|-------------------|--------------------------------|---------------------------------|-------------------|------------------|
| DISDW: DRY WEATHER DISCHARGE       | 1088829     | 06/01/10 01:23 PM | BRIGHT              | BRIGHT             | REPAIRED - ISSUE RESOLVED | 06/01/10          | OBSTRUCTION-NOT GREASE / ROOTS | UNAUTHORIZED DISCHARGE - WATERS | 06/01/10 01:54 PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 150 GAL  |
| Cause:            | OBSTRUCTION IN SIPHON  |
| Clean Up:         | PIPE DISCHARGES DIRECTLY INTO BEARGRASS CREEK                    |
| Control Zone:     | PERMANENT SIGNS ALREADY IN PLACE THROUGHOUT THE IMPROVED CHANNEL |
| Impact:           | SEWAGE/WATER DISCHARGING FROM OVERFLOW FLAPGATE                  |
| Repair:           | MSD PERSONNEL FLUSHED THE SIPHON TO RELIEVE OBSTRUCTION          |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/01/10 01:23 PM | DISPUB | TEMPORARY SIGNS PLACED NEAR ENTRANCE TO CREEK  |
| 06/01/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

|  |                                  |   |   |   |                               |
|--|----------------------------------|---|---|---|-------------------------------|
| <b>Facility Type</b><br>SLS Sewer Lift Station | <b>Facility ID</b><br>MSD0012-PS | <b>Facility Address</b><br>3246 RADIANCE RD | <b>If Pump Station, Name of Pump Station:</b><br>HIGHGATE SPRINGS | <b>Receiving Stream</b><br>SOUTH FORK BEARGRASS CREEK | <b>Discharge to</b><br>STREAM |
|--|----------------------------------|---|---|---|-------------------------------|

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062177     | 05/01/10 12:05 PM | SINGLETON           | BRAZEL             | DOCUMENTED          | 12/16/00          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/06/10 08:30 AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 9,894,300 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA.          |
| Clean Up:         | PIPE DISCHARGE SUBMERGED- NO CLEANUP                     |
| Control Zone:     | PERMANENT SIGNS POSTED.                                  |
| Impact:           | NO IMPACT OBSERVED- FACILITY UNDER ELEVATED CREEK LEVEL. |
| Repair:           | THIS LOCATION IS IN THE INTERIM SANITARY SEWER PLAN      |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/01/10 12:24 PM | DISPUB | PERMANENT SIGNS POSTED   |
| 05/01/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/01/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1081844     | 05/21/10 09:20 PM | MARKS JR            | MILLS              | DOCUMENTED          | 12/16/00          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/22/10 09:01<br>PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 538,200 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT              |
| Clean Up:         | PIPE DISCHARGE SUBMERGED NO CLEAN UP                   |
| Control Zone:     | PERMITTED SIGN POSTED                                  |
| Impact:           | NO IMPACT OBSERVED FACILITY UNDER ELEVATED CREEK LEVEL |
| Repair:           | THIS LOCATION IS IN THE INTERIM SANITARY SEWER PLAN    |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/21/10 10:16 PM | DISPUB | PERMANENT SIGNS POSTED   |
| 05/21/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/21/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1093789     | 06/09/10 12:12 PM | ELDER               | WRIGHT             | DOCUMENTED          | 12/16/00          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/09/10 04:47<br>PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 11,313 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT              |
| Clean Up:         | PIPE DISCHARGE SUBMERGED NO CLEAN UP                   |
| Control Zone:     | PERMANENT SIGN POSTED                                  |
| Impact:           | NO IMPACT OBSERVED FACILITY UNDER ELEVATED CREEK LEVEL |
| Repair:           | THIS LOCATION IS IN THE INTERIM SANITARY SEWER PLAN    |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/09/10 01:09 PM | DISPUB | Permanent signs posted   |
| 06/09/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 06/09/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |





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

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

| Facility Type          | Facility ID | Facility Address          | If Pump Station, Name of Pump Station: | Receiving Stream              | Discharge to |
|------------------------|-------------|---------------------------|--|-------------------------------|--------------|
| SLS Sewer Lift Station | MSD0023-PS  | 501 MOCKINGBIRD VALLEY RD | MELLWOOD AVENUE                        | MUDDY FORK<br>BEARGRASS CREEK | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u>  | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|---------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062486     | 05/02/10 02:23 PM | ELDER               | RHEINLAENDE<br>R JR | DOCUMENTED          | 01/02/04          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 06:30<br>PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 81,000 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                                    |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | TEMPORARY SIGNS POSTED AROUND THE AREA  |
| Impact:           | SEWAGE OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 02:23 PM | DISPUB | TEMPORARY SIGNS POSTED AROUND THE AREA   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|------------------|--|------------------|--------------|
| SLS Sewer Lift Station | MSD0042-PS  | 1701 SONNE AVE   | SONNE AVE                              | PADDY RUN        | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062352     | 05/02/10 08:20 AM | SINGLETON           | THOMPSON           | DOCUMENTED          | 12/16/00          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 06:45 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 187,500 GAL                                       |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA    |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA                  |
| Control Zone:     | TAPE & TEMPORARY SIGNS POSTED AROUND THE AREA     |
| Impact:           | SEWAGE WAS OBSERVED                               |
| Repair:           | SET UP TRASH PUMPS TO PREVENT HOMES FROM FLOODING |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 11:57 AM | DISPUB | TAPE & TEMPORARY SIGNS POSTED AROUND THE AREA  |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

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

| Facility Type          | Facility ID | Facility Address  | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|-------------------|--|------------------|--------------|
| SLS Sewer Lift Station | MSD0183-PS  | 3450 GLENVIEW AVE | GLENVIEW HILLS                         | OHIO RIVER       | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062259     | 05/02/10 07:20 AM | SINGLETON           | BENNETT            | DOCUMENTED          | 03/20/02          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 04:45 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 31,500 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                                    |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | TEMPORARY SIGNS PLACED AROUND THE AREA  |
| Impact:           | SEWAGE OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 07:20 AM | DISPUB | TEMPORARY SIGNS PLACED AROUND THE AREA   |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

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

|  |                                  |   |  |  |                               |
|--|----------------------------------|---|--|--|-------------------------------|
| <b>Facility Type</b><br>SLS Sewer Lift Station | <b>Facility ID</b><br>MSD0185-PS | <b>Facility Address</b><br>7800 WESTPORT RD | <b>If Pump Station, Name of Pump Station:</b><br>GOOSE CREEK | <b>Receiving Stream</b><br>GOOSE CREEK | <b>Discharge to</b><br>GROUND |
|--|----------------------------------|---|--|--|-------------------------------|

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u>  | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>  | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|---------------------|---------------------|-------------------|-----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062467     | 05/02/10 02:00 PM | ELDER               | RHEINLAENDE<br>R JR | FORCE<br>MAJEURE    | 05/02/10          | PUMPED OVERFLOW | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 03:26 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 279,240 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA                             |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | TEMPORARY SIGNS WERE POSTED   |
| Impact:           | DEBRIS OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/03/10 03:26 AM | DISPUB | TEMPORARY SIGNS POSTED   |

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

**KPDES #** KY0098540      **Facility ID** MSD0289      **Water Quality Treatment Center** CEDAR CREEK      **Receiving Stream of Treatment Center** CEDAR CREEK      **Region** CENT

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 63094       | 9517 PLUMWOOD RD |  | CEDAR CREEK      | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062921     | 05/02/10 04:31 PM | GRIMES              | HENDERSON          | DOCUMENTED          | 04/04/08          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 05:30 PM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,475 GAL                               |
| Cause:            | LACK OF SYSTEM CAPACITY - HEAVY RAIN    |
| Clean Up:         | DISCLN WORK ORDER #1063079              |
| Control Zone:     | PLACED CAUTION TAPE AND TEMPORARY SIGNS |
| Impact:           | OBSERVED SEWAGE                         |
| Repair:           | WATER RECEDED                           |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 10:50 AM | DISPUB | MSD NOTIFIED THE PUBLIC WITH CAUTION TAPE AND TEMPORARY SIGNS  |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0098540 (Cont'd)      **Facility ID** MSD0289      **Water Quality Treatment Center** CEDAR CREEK      **Receiving Stream of Treatment Center** CEDAR CREEK      **Region** CENT

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 63095       | 9300 HAYES AVE   |  | CEDAR CREEK      | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062907     | 05/02/10 04:45 PM | GRIMES              | HENDERSON          | DOCUMENTED          | 04/04/08          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 06:48 PM | MAIN             |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 4,575 GAL                              |
| Cause:            | LACK OF SYSTEM CAPACITY - HEAVY RAIN   |
| Clean Up:         | DISCLN WORK ORDER #1063077             |
| Control Zone:     | PLACED CAUTION TAP AND TEMPORARY SIGNS |
| Impact:           | OBESRVED SEWAGE                        |
| Repair:           | WATER RECEDED                          |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 10:52 AM | DISPUB | MSD ADVISED CUSTOMER ON SITE WITH DOOR CARDS   |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0098540 (Cont'd) | <b>Facility ID</b><br>MSD0289 | <b>Water Quality Treatment Center</b><br>CEDAR CREEK | <b>Receiving Stream of Treatment Center</b><br>CEDAR CREEK | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

| Facility Type     | Facility ID | Facility Address     | If Pump Station, Name of Pump Station: | Receiving Stream   | Discharge to |
|-------------------|-------------|----------------------|--|--------------------|--------------|
| SMH Sewer Manhole | 67997       | 7906 GAINSBOROUGH CT |  | LITTLE CEDAR CREEK | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062872     | 05/02/10 03:00 PM | GRIMES              | HENDERSON          | DOCUMENTED          | 04/04/08          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 09:43 PM | MAIN             |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 40,300 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - HEAVY RAIN  |
| Clean Up:         | DISCLN WORK ORDER #1063076  |
| Control Zone:     | ADVISED PROPERTY OWNER TO AVOID DIRECT CONTACT WITH SEWAGE. CAUTION TAPE AND TEMPORARY SIGNS. |
| Impact:           | SEWAGE AND DEBRIS OBSERVED  |
| Repair:           | RAIN RECEDED  |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 10:30 AM | DISPUB | ADVISED CUSTOMER ON SITE   |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0098540 (Cont'd)     
 **Facility ID** MSD0289     
 **Water Quality Treatment Center** CEDAR CREEK     
 **Receiving Stream of Treatment Center** CEDAR CREEK     
 **Region** CENT

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream   | Discharge to |
|-------------------|-------------|------------------|--|--------------------|--------------|
| SMH Sewer Manhole | 67999       | 7904 SHAW CT     |  | LITTLE CEDAR CREEK | STREAM       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status  | Event Date | Problem                 | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|---------------|------------|-------------------------|---------------------------------|-------------------|-----------|
| DISREV: RAIN EVENT DISCHARGE | 1063169 | 05/02/10 03:30 PM | GRIMES       | HENDERSON   | FORCE MAJEURE | 05/02/10   | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 06:20 PM | MAIN      |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 5,750 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY - HEAVY RAIN  |
| Clean Up:         | DISCLN WORK ORDER #1063195  |
| Control Zone:     | ADVISED PROPERTY OWNER TO AVOID CONTACT WITH SEWAGE AND PLACED TEMPORARY SIGNS AND CAUTION TAPE |
| Impact:           | OBSERVED SEWAGE AND DEBRIS  |
| Repair:           | WATER RECEDED   |

**Notifications:**

|                   |        |   |
|-------------------|--------|---|
| 05/03/10 03:00 PM | DISPUB | MSD ADVISED THE CUSTOMER BY PLACING CAUTION TAPE AND TEMPORARY SIGNS.   |
| 05/04/10 09:50 AM | DISNOT | Manual email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0098540 (Cont'd)     
 **Facility ID** MSD0289     
 **Water Quality Treatment Center** CEDAR CREEK     
 **Receiving Stream of Treatment Center** CEDAR CREEK     
 **Region** CENT

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 70158       | 5600 HOFELICH CT |  | CEDAR CREEK      | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062940     | 05/02/10 04:35 PM | GRIMES              | HENDERSON          | DOCUMENTED          | 01/24/02          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 05:35 PM | MAIN             |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 1,500 GAL                              |
| Cause:            | LACK OF SYSTEM CAPACITY - HEAVY RAIN   |
| Clean Up:         | DISCLN WORK ORDER #1063081             |
| Control Zone:     | PLACED CAUTION TAP AND TEMPORARY SIGNS |
| Impact:           | OBSERVED SEWAGE                        |
| Repair:           | WATER RECEDED                          |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 10:57 AM | DISPUB | MSD NOTIFIED PUBLIC BY PLACING CAUTION TAPE AND TEMPORARY SIGNS  |
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0098540 (Cont'd)     
 **Facility ID** MSD0289     
 **Water Quality Treatment Center** CEDAR CREEK     
 **Receiving Stream of Treatment Center** CEDAR CREEK     
 **Region** CENT

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream   | Discharge to |
|-------------------|-------------|------------------|--|--------------------|--------------|
| SMH Sewer Manhole | 86424       | 7820 WATERING PL |  | LITTLE CEDAR CREEK | GROUND       |

| <u>Activity Code / Description</u>        | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|---|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISSUS: SUSPECTED<br>OVERFLOW EVID. FOUND | 1063235     | 05/03/10 02:07 PM | FRENCH              | MARCONI            | SUSPECTED           | 05/03/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 02:12<br>PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 1 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN                                   |
| Clean Up:         | DISCLN WORK ORDER #1063518 HAS BEEN CREATED TO RESTORE THIS AREA |
| Control Zone:     | NO CONTROL ZONE SET UP   |
| Impact:           | SOME DEBRIS OBSERVED AROUND MANHOLE                              |
| Repair:           | RAIN SUBSIDED  |

**Notifications:**

|                   |        |                                 |
|-------------------|--------|---------------------------------|
| 05/03/10 03:28 PM | DISPUB | No public notification was made |
|-------------------|--------|---------------------------------|



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

**KPDES #** KY0098540 (Cont'd)     
 **Facility ID** MSD0289     
 **Water Quality Treatment Center** CEDAR CREEK     
 **Receiving Stream of Treatment Center** CEDAR CREEK     
 **Region** CENT

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream   | Discharge to |
|-------------------|-------------|------------------|--|--------------------|--------------|
| SMH Sewer Manhole | 89196       | 7714 MARY SUE DR |  | LITTLE CEDAR CREEK | GROUND       |

| <u>Activity Code / Description</u>        | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|---|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISSUS: SUSPECTED<br>OVERFLOW EVID. FOUND | 1063013     | 05/03/10 10:13 AM | FRENCH              | LOECHLE            | SUSPECTED           | 05/03/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 10:18<br>AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 1 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY - RAIN   |
| Clean Up:         | SMALL AMOUNT OF PAPER NEEDS TO BE CLEANED AROUND MANHOLE - DISCLN WO#1063514 |
| Control Zone:     | NO CONTROL ZONE SET, NONE REQUIRED   |
| Impact:           | SMALL AMOUNT OF PAPER AROUND CASTING AND LID                                 |
| Repair:           | RAIN SUBSIDED  |

**Notifications:**

|                   |        |                                 |
|-------------------|--------|---------------------------------|
| 05/03/10 11:54 AM | DISPUB | NO PUBLIC NOTIFICATION WAS MADE |
|-------------------|--------|---------------------------------|

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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0098540 (Cont'd) | <b>Facility ID</b><br>MSD0289 | <b>Water Quality Treatment Center</b><br>CEDAR CREEK | <b>Receiving Stream of Treatment Center</b><br>CEDAR CREEK | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

| Facility Type     | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|------------------|--|------------------|--------------|
| SMH Sewer Manhole | 95098       | 6711 MONTY LN    |  | CEDAR CREEK      | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062323     | 05/02/10 09:40 AM | SINGLETON           | VIERLING           | FORCE MAJEURE       | 05/02/10          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 07:35 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 78,900 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                                    |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | TEMPORARY SIGNS & BARRICADES PLACED AROUND THE AREA                               |
| Impact:           | SEWAGE OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 09:40 AM | DISPUB | TEMPORARY SIGNS & BARRICADES PLACED AROUND THE AREA  |
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0098540 (Cont'd) | <b>Facility ID</b><br>MSD0289 | <b>Water Quality Treatment Center</b><br>CEDAR CREEK | <b>Receiving Stream of Treatment Center</b><br>CEDAR CREEK | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

| Facility Type     | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|---------------------|--|------------------|--------------|
| SMH Sewer Manhole | 98024       | 8809 CEDAR CREEK RD |  | CEDAR CREEK      | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>          | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|-------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062530     | 05/02/10 05:45 PM | ELDER               | MILLS              | FORCE MAJEURE       | 05/02/10          | LACK OF SYSTEM CAPACITY | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 03:25 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 87,000 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN AREA. PUMP STATION SURCHARGED |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA                                    |
| Control Zone:     | TEMPORARY SIGNS PLACED AROUND AFECTED AREA                          |
| Impact:           | SEWAGE & DEBRIS WAS OBSERVED  |
| Repair:           | ADDED MORE INFLUENT PUMPS AT CEDAR CREEK                            |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 07:32 PM | DISPUB | Spoke to home owner 9001 Eli.<br>Posted temporary signs around area  |
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

|                                      |                               |  |  |                       |
|--------------------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0098540 (Cont'd) | <b>Facility ID</b><br>MSD0289 | <b>Water Quality Treatment Center</b><br>CEDAR CREEK | <b>Receiving Stream of Treatment Center</b><br>CEDAR CREEK | <b>Region</b><br>CENT |
|--------------------------------------|-------------------------------|--|--|-----------------------|

| Facility Type             | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|---------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0289     | 8605 CEDAR CREEK RD |  | CEDAR CREEK      | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062266     | 05/02/10 08:10 AM | SINGLETON           | SMITH              | FORCE<br>MAJEURE    | 05/02/10          | BYPASS AT WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/02/10 08:50<br>AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 94,088 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA               |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA                                    |
| Control Zone:     | CONTAINED ON PLANT PROPERTY   |
| Impact:           | DEBRIS OBSERVED   |
| Repair:           | OPEN UP MANUAL SAND FILTER GATE & PUT OLD OXIDATION DITCH IN SEVICE |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 06/07/10 01:13 PM | DISPUB | No public notification occurred.   |



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

|                             |                               |  |  |                       |
|-----------------------------|-------------------------------|--|--|-----------------------|
| <b>KPDES #</b><br>KY0029106 | <b>Facility ID</b><br>MSD0291 | <b>Water Quality Treatment Center</b><br>HUNTING CREEK NORTH | <b>Receiving Stream of Treatment Center</b><br>HARRODS CREEK | <b>Region</b><br>EAST |
|-----------------------------|-------------------------------|--|--|-----------------------|

| Facility Type          | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|------------------------|-------------|------------------|--|------------------|--------------|
| SSL Sewer Service Line | EP46370029  | 6802 FOXCROFT RD |  | HARRODS CREEK    | GROUND       |

| <u>Activity Code / Description</u>        | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u>             | <u>Event Date</u> | <u>Problem</u>        | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|---|-------------|-------------------|---------------------|--------------------|---------------------------------|-------------------|-----------------------|---------------------------------------|----------------------|------------------|
| DISSUS: SUSPECTED<br>OVERFLOW EVID. FOUND | 1091992     | 06/08/10 12:00 PM | GITTINGS            | GITTINGS           | REPAIRED -<br>ISSUE<br>RESOLVED | 06/08/10          | STRUCTURAL<br>FAILURE | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/08/10 12:24<br>PM | LAT              |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 50 GAL  |
| Cause:            | SERVICE CONNECTION HAS BROKE AWAY FROM SEWER CONNECTION |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA   |
| Control Zone:     | PLACED 2 TEMPORARY SIGNS AROUND THE IMPACTED AREA       |
| Impact:           | SEWAGE/PAPER IN CREEK AROUND END OF PIPE                |
| Repair:           | WORK ORDER 1091990 - REPAIRED THE PROPERTY SERVICE LINE |

**Notifications:**

|                   |        |                          |
|-------------------|--------|--------------------------|
| 06/08/10 12:00 PM | DISPUB | ADVISED CUSTOMER ON SITE |
|-------------------|--------|--------------------------|



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

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

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0292     | 6530 MONTERO DR  |  | HARRODS CREEK    | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u>  | <u>Disch Status</u>             | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|---------------------|---------------------------------|-------------------|----------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1094894     | 06/14/10 07:45 AM | ELDER               | RHEINLAENDE<br>R JR | REPAIRED -<br>ISSUE<br>RESOLVED | 06/14/10          | BYPASS AT WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/14/10 07:50<br>AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 50 GAL   |
| Cause:            | WHILE SKIMMING CLARIFIERS TO THE DIGESTER, THE DIGESTER OVERFLOWED.    |
| Clean Up:         | CONTRACTING B & H TO VACTOR & CLEAN CREEK & BANK, MSD TO SANITIZE AREA |
| Control Zone:     | TEMPORARY SIGNS AROUND AREA & PERMENANT SIGNS ALONG CREEK              |
| Impact:           | SLUDGE ON THE GROUND & IN THE CREEK                                    |
| Repair:           | OPERATOR TURNED OFF SKIMMER TO STOP THE BYPASS.                        |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/14/10 09:02 AM | DISPUB | Temporary signs posted around area, Permenant signs along creek, Supervisor notified employees working in the area                         |
| 06/14/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 06/14/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0043087     
 **Facility ID** MSD0293     
 **Water Quality Treatment Center** TIMBERLAKE     
 **Receiving Stream of Treatment Center** HARRODS CREEK     
 **Region** EAST

| Facility Type     | Facility ID | Facility Address     | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|----------------------|--|------------------|--------------|
| SMH Sewer Manhole | 45559       | 7 HARRODS LANDING DR |  | HARRODS CREEK    | GROUND       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status              | Event Date | Problem                   | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|---------------------------|------------|---------------------------|---------------------------------|-------------------|-----------|
| DISDW: DRY WEATHER DISCHARGE | 1069608 | 05/11/10 10:20 AM | MARKS JR     | JANSHESKI   | REPAIRED - ISSUE RESOLVED | 05/11/10   | UTILITY DAMAGED MSD ASSET | UNAUTHORIZED DISCHARGE - WATERS | 05/11/10 10:40 AM | MAIN      |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 3,500 GAL  |
| Cause:            | POOL COMPANY OPENED MANHOLE TO EMPTY POOL CAUSING DISCHARGE        |
| Clean Up:         | POOL COMPANY CLEANED AREA  |
| Control Zone:     | AREA IS TAPED OFF AND SIGNS ARE POSTED                             |
| Impact:           | SEWAGE ON THE GROUND   |
| Repair:           | STOPPED POOL COMPANY AND HAULED STATION TILL HIGH WET WELL CLEARED |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/11/10 01:40 PM | DISPUB | MSD IMFORMED PUBLIC IN PERSON AND WITH SIGNS IN THE AREA   |
| 05/11/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0043087 (Cont'd)     
 **Facility ID** MSD0293     
 **Water Quality Treatment Center** TIMBERLAKE     
 **Receiving Stream of Treatment Center** HARRODS CREEK     
 **Region** EAST

| Facility Type     | Facility ID | Facility Address        | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|-------------------------|--|------------------|--------------|
| SMH Sewer Manhole | 45571       | 3001 HARRODS LANDING DR |  | HARRODS CREEK    | GROUND       |

| Activity Code / Description  | WO #    | Initiated         | Initiated By | Assigned To | Disch Status              | Event Date | Problem                   | Result                          | Completed         | Condition |
|------------------------------|---------|-------------------|--------------|-------------|---------------------------|------------|---------------------------|---------------------------------|-------------------|-----------|
| DISDW: DRY WEATHER DISCHARGE | 1069605 | 05/11/10 10:20 AM | MARKS JR     | JANSHESKI   | REPAIRED - ISSUE RESOLVED | 05/11/10   | UTILITY DAMAGED MSD ASSET | UNAUTHORIZED DISCHARGE - WATERS | 05/11/10 10:40 AM | MAIN      |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 3,500 GAL  |
| Cause:            | POOL COMPANY OPENED MANHOLE TO EMPTY POOL CAUSING DISCHARGE                          |
| Clean Up:         | POOL COMPANY IS CLEANING AREA  |
| Control Zone:     | AREA TAPED OFF AND SIGNS POSTED  |
| Impact:           | SEWAGE ON THE GROUND   |
| Repair:           | STOPPED POOL COMPANY FROM DISCHARGEING AND HAULED STATION TILL HIGH WET WELL CLEARED |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/11/10 01:22 PM | DISPUB | MSD NOTIFIED PUBLIC BY TALKING TO HOMEOWNERS, UPDATING WEBSITE AND POSTING SIGNS                                     |
| 05/11/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0102784     
 **Facility ID** MSD0294     
 **Water Quality Treatment Center** FLOYDS FORK     
 **Receiving Stream of Treatment Center** FLOYDS FORK     
 **Region** EAST

| Facility Type     | Facility ID | Facility Address   | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|-------------------|-------------|--------------------|--|------------------|--------------|
| SMH Sewer Manhole | 107128      | 1100 BLUE HERON RD |  | FLOYDS FORK      | STREAM       |

| <u>Activity Code / Description</u>        | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>             | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|---|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------------------|---------------------------------------|----------------------|------------------|
| DISSUS: SUSPECTED<br>OVERFLOW EVID. FOUND | 1063714     | 05/04/10 10:00 AM | GITTINGS            | GITTINGS           | FORCE<br>MAJEURE    | 05/02/10          | LACK OF SYSTEM<br>CAPACITY | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/04/10 11:12<br>AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 100 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY                                |
| Clean Up:         | MSD PERSONNEL CLEANED AND SANITIZED THE IMPACTED AREA  |
| Control Zone:     | PLACED 3 TEMPORARY DISCHARGE SIGNS AROUND AREA         |
| Impact:           | PAPER, DEBRIS AND WATER AROUND MANHOLE THAT DISCHARGED |
| Repair:           | REFERRED TO SUPERVISOR TO MAKE NEEDED REPAIRS          |

**Notifications:**

|                   |        |                          |
|-------------------|--------|--------------------------|
| 05/04/10 10:00 AM | DISPUB | ADVISED CUSTOMER ON SITE |
|-------------------|--------|--------------------------|



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

**KPDES #** KY0042226     
 **Facility ID** MSD0403     
 **Water Quality Treatment Center** CHENOWETH RUN     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| Facility Type             | Facility ID | Facility Address   | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|--------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0403     | 14000 BECKLEY TRCE |  | CHENOWETH RUN    | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062502     | 05/02/10 03:00 PM | ELDER               | BRAZEL             | DOCUMENTED          | 05/20/05          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 12:30 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 94,500 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                                    |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | CONTAINED ON MSD PROPERTY BEHIND A 6' FENCE                                       |
| Impact:           | SEWAGE OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/12/10 09:24 AM | DISPUB | MSD advised customer on site   |



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

**KPDES #** KY0042226 (Cont'd)     
 **Facility ID** MSD0403     
 **Water Quality Treatment Center** CHENOWETH RUN     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062505     | 05/02/10 03:45 PM | ELDER               | BRAZEL             | DOCUMENTED          | 05/20/05          | BYPASS AT WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 09:45<br>PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 540,000 GAL  |
| Cause:            | WASTE LEVEL OVERTOPPING CATCH BASIN                  |
| Clean Up:         | NO DEBRIS  |
| Control Zone:     | PERMANENT OVERFLOW WARNING SIGNS POSTED ALONG STREAM |
| Impact:           | NO IMPACT OBSERVED                                   |
| Repair:           | POND LEVEL WAS LOWERED TO PREVENT OVERTOPPING BASIN. |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/12/10 09:25 AM | DISPUB | MSD advised customer on site   |

Total Facilities Printed: 141

Total Work Orders Printed: 170



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Appendix B-2 - Discharge Work Orders – BYPASS





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

**KPDES #** KY0022420      **Facility ID** MSD0202      **Water Quality Treatment Center** HITE CREEK      **Receiving Stream of Treatment Center** HITE CREEK      **Region** EAST

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0202     | 5500 HITT RD     |  | HITE CREEK       | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u>       | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1081862     | 05/22/10 07:40 AM | MARKS JR            | DUNN JR            | REPAIRED - ISSUE RESOLVED | 05/22/10          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/22/10 07:50 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 3,000 GAL   |
| Cause:            | STRUCTURAL FAILURE OF PROCESS WATER LINE            |
| Clean Up:         | NO CLEAN UP REQUIRED POTABLE WATER LEAK ONLY        |
| Control Zone:     | TEMPORARY SIGNS POSTED                              |
| Impact:           | ONLY CLEAR WATER OBSERVED                           |
| Repair:           | SHUT OFF PROCESS WATER PUMP UNTIL REPAIRS COMPLETED |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/22/10 08:21 AM | DISPUB | TEMPORARY SIGNS POSTED TO WARN PUBLIC  |
| 05/22/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0036501     
 **Facility ID** MSD0209     
 **Water Quality Treatment Center** BERRYTOWN     
 **Receiving Stream of Treatment Center** FLOYDS FORK     
 **Region** CENT

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0209     | 1203 HEAFER RD   |  | FLOYDS FORK      | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062832     | 05/02/10 10:30 PM | ELDER               | VIERLING           | FORCE MAJEURE       | 05/02/10          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:45 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 26,700 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN AREA  |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | CONTAINED ON THE PLANT.   |
| Impact:           | SEWAGE OBSERVED.  |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/03/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/12/10 09:26 AM | DISPUB | MSD advised customer on site   |





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

**KPDES #** KY0031712      **Facility ID** MSD0247      **Water Quality Treatment Center** STARVIEW      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0247     | 423 BERMUDA WAY  |  | CHENOWETH RUN    | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1063005     | 05/02/10 10:00 PM | SINGLETON           | WRIGHT             | FORCE MAJEURE       | 05/02/10          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 12:45 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,650 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA                             |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA AND SPREAD LIME                                  |
| Control Zone:     | CONTAINED ON MSD FENCED PROPERTY  |
| Impact:           | PERSONAL HYGIENE PRODUCTS OBSERVED  |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON; WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/03/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/03/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 06/07/10 01:11 PM | DISPUB | NO PUBLIC NOTIFICATION OCCURRED  |



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

**KPDES #** KY0025194      **Facility ID** MSD0255      **Water Quality Treatment Center** JEFFERSONTOWN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062156     | 05/01/10 10:10 AM | SINGLETON           | SMITH              | DOCUMENTED          | 01/14/07          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/01/10 10:14 AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 1,000 GAL  |
| Cause:            | OVERFILLED AERATION TANKS 5, 6, 7 TRYING TO OPTIMIZE FLOW. |
| Clean Up:         | CONTRACTOR CLEANED & SANITIZED                             |
| Control Zone:     | TEMPORARY SIGNS POSTED                                     |
| Impact:           | SOLIDS OBSERVED  |
| Repair:           | SHUT OFF 4TH PUMP, REDUCING FLOW                           |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/01/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/01/10 10:10 AM | DISPUB | TEMPORARY SIGNS POSTED   |
| 05/01/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0029459      **Facility ID** MSD0263      **Water Quality Treatment Center** CHENOWETH HILLS      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0263     | 4305 ST RENE CT  |  | CHENOWETH RUN    | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062181     | 05/01/10 12:28 PM | SINGLETON           | OTTO               | DOCUMENTED          | 09/27/02          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/01/10 02:23 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 41,944 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA                             |
| Clean Up:         | NO DEBRIS OBSERVED  |
| Control Zone:     | NO CONTROL ZONE- PIPE DISCHARGE SUBMEGED  |
| Impact:           | NO IMPACT OBSERVED- PIPE DISCHARGE SUBMERGED                                      |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/01/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/01/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 06/07/10 01:13 PM | DISPUB | No public notification occurred.   |

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

**KPDES #** KY0029459 (Cont'd)     
 **Facility ID** MSD0263     
 **Water Quality Treatment Center** CHENOWETH HILLS     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062496     | 05/02/10 03:58 PM | ELDER               | VIERLING           | DOCUMENTED          | 09/27/02          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:15 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 9,770 GAL   |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVEN IN THE AREA                              |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | CONTAINED ON MSD PROPERTY BEHIND A 6' FENCE                                       |
| Impact:           | SEWAGE OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/12/10 09:25 AM | DISPUB | MSD advised customer on site   |

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

**KPDES #** KY0029459 (Cont'd)     
 **Facility ID** MSD0263     
 **Water Quality Treatment Center** CHENOWETH HILLS     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062499     | 05/02/10 03:58 PM | ELDER               | VIERLING           | DOCUMENTED          | 09/27/02          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 08:15 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 97,700 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO STORM EVENT IN THE AREA                                       |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | CONTAINED ON MSD PROPERTY BEHIND A 6' FENCE   |
| Impact:           | PERSONAL HYGIENE PRODUCTS, SEWAGE & DEBRIS WAS OBSERVED                               |
| Repair:           | THIS SITE WAS FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/12/10 09:23 AM | DISPUB | MSD advised customer on site   |

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

**KPDES #** KY0029459 (Cont'd)      **Facility ID** MSD0263      **Water Quality Treatment Center** CHENOWETH HILLS      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISDW: DRY WEATHER DISCHARGE       | 1099222     | 06/28/10 10:30 AM | SINGLETON           | ALEXANDER          | DOCUMENTED          | 09/27/02          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 06/28/10 11:03 AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 2,268 GAL  |
| Cause:            | CONTRACTOR BACKED INTO SULFUR DIOXIDE BLDG       |
| Clean Up:         | NO CLEAN UP REQUIRED                             |
| Control Zone:     | TEMPORARY SIGNS POSTED                           |
| Impact:           | NO IMPACT OBSERVED                               |
| Repair:           | MSD MADE REPAIRS TO LINE AND PUT BACK IN SERVICE |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/28/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 07/06/10 03:56 PM | DISPUB | Temporary signs posted around impacted area.   |

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

**KPDES #** KY0029459 (Cont'd)     
 **Facility ID** MSD0263     
 **Water Quality Treatment Center** CHENOWETH HILLS     
 **Receiving Stream of Treatment Center** CHENOWETH RUN     
 **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISDW: DRY WEATHER DISCHARGE       | 1099424     | 06/28/10 02:45 PM | MARKS JR            | WRIGHT             | DOCUMENTED          | 09/27/02          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 06/28/10 03:10 PM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 1,647 GAL   |
| Cause:            | CONTRACTOR RAN INTO SODIUM DIOXIDE BUILDING           |
| Clean Up:         | NOT NEEDED  |
| Control Zone:     | TEMPORARY SIGNS POSTED                                |
| Impact:           | NO IMPACT OBSERVED                                    |
| Repair:           | MSD MADE REPAIRS TO FEED LINE AND PUT BACK IN SERVICE |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/28/10 07:18 PM | DISPUB | MSD notified public with web site and temporary signs  |
| 06/28/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

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

**KPDES #** KY0036323     
 **Facility ID** MSD0271     
 **Water Quality Treatment Center** YORKTOWN     
 **Receiving Stream of Treatment Center** NORTHERN DITCH     
 **Region** WEST

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0271     | 7418 YORKTOWN RD |  | NORTHERN DITCH   | DITCH        |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062532     | 05/02/10 03:45 PM | ELDER               | HATHAWAY           | DOCUMENTED          | 04/04/08          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 05:40 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 54,600 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                  |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA                                |
| Control Zone:     | TEMPORARY SIGNS POSTED  |
| Impact:           | PERSONAL HYGIENE PRODUCTS, SEWAGE, SOLIDS & DEBRIS WAS OBSERVED |
| Repair:           | CREEK LEVEL DECREASED   |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 03:45 PM | DISPUB | TEMPORARY SIGNS POSTED   |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |





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

**KPDES #** KY0098540      **Facility ID** MSD0289      **Water Quality Treatment Center** CEDAR CREEK      **Receiving Stream of Treatment Center** CEDAR CREEK      **Region** CENT

| Facility Type             | Facility ID | Facility Address    | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|---------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0289     | 8605 CEDAR CREEK RD |  | CEDAR CREEK      | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062266     | 05/02/10 08:10 AM | SINGLETON           | SMITH              | FORCE MAJEURE       | 05/02/10          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/02/10 08:50 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 94,088 GAL  |
| Cause:            | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA               |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA                                    |
| Control Zone:     | CONTAINED ON PLANT PROPERTY   |
| Impact:           | DEBRIS OBSERVED   |
| Repair:           | OPEN UP MANUAL SAND FILTER GATE & PUT OLD OXIDATION DITCH IN SEVICE |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 06/07/10 01:13 PM | DISPUB | No public notification occurred.   |



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

**KPDES #** KY0029114     
 **Facility ID** MSD0292     
 **Water Quality Treatment Center** HUNTING CREEK SOUTH     
 **Receiving Stream of Treatment Center** HARRODS CREEK     
 **Region** EAST

| Facility Type             | Facility ID | Facility Address | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0292     | 6530 MONTERO DR  |  | HARRODS CREEK    | STREAM       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u>  | <u>Disch Status</u>             | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|---------------------|---------------------------------|-------------------|----------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1094894     | 06/14/10 07:45 AM | ELDER               | RHEINLAENDE<br>R JR | REPAIRED -<br>ISSUE<br>RESOLVED | 06/14/10          | BYPASS AT WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/14/10 07:50<br>AM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 50 GAL   |
| Cause:            | WHILE SKIMMING CLARIFIERS TO THE DIGESTER, THE DIGESTER OVERFLOWED.    |
| Clean Up:         | CONTRACTING B & H TO VACTOR & CLEAN CREEK & BANK, MSD TO SANITIZE AREA |
| Control Zone:     | TEMPORARY SIGNS AROUND AREA & PERMENANT SIGNS ALONG CREEK              |
| Impact:           | SLUDGE ON THE GROUND & IN THE CREEK                                    |
| Repair:           | OPERATOR TURNED OFF SKIMMER TO STOP THE BYPASS.                        |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/14/10 09:02 AM | DISPUB | Temporary signs posted around area, Permenant signs along creek, Supervisor notified employees working in the area                         |
| 06/14/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 06/14/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0042226      **Facility ID** MSD0403      **Water Quality Treatment Center** CHENOWETH RUN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| Facility Type             | Facility ID | Facility Address   | If Pump Station, Name of Pump Station: | Receiving Stream | Discharge to |
|---------------------------|-------------|--------------------|--|------------------|--------------|
| SPL Sewer Treatment Plant | MSD0403     | 14000 BECKLEY TRCE |  | CHENOWETH RUN    | GROUND       |

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062502     | 05/02/10 03:00 PM | ELDER               | BRAZEL             | DOCUMENTED          | 05/20/05          | BYPASS AT WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 12:30 AM |                  |

**Spot Inspections:**

|                   |   |
|-------------------|---|
| Discharge Amount: | 94,500 GAL  |
| Cause:            | LACK OF CAPACITY DUE TO RAIN EVENT IN THE AREA                                    |
| Clean Up:         | MSD CLEANED & SANITIZED THE AREA  |
| Control Zone:     | CONTAINED ON MSD PROPERTY BEHIND A 6' FENCE                                       |
| Impact:           | SEWAGE OBSERVED   |
| Repair:           | THIS SITE FOUND DURING RAIN EVENT RECON- WILL BE MONITORED & EVALUATED FOR REPAIR |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/12/10 09:24 AM | DISPUB | MSD advised customer on site   |



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

**KPDES #** KY0042226 (Cont'd)      **Facility ID** MSD0403      **Water Quality Treatment Center** CHENOWETH RUN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u> | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|----------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1062505     | 05/02/10 03:45 PM | ELDER               | BRAZEL             | DOCUMENTED          | 05/20/05          | BYPASS AT WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/03/10 09:45<br>PM |                  |

**Spot Inspections:**

|                   |  |
|-------------------|--|
| Discharge Amount: | 540,000 GAL  |
| Cause:            | WASTE LEVEL OVERTOPPING CATCH BASIN                  |
| Clean Up:         | NO DEBRIS  |
| Control Zone:     | PERMANENT OVERFLOW WARNING SIGNS POSTED ALONG STREAM |
| Impact:           | NO IMPACT OBSERVED                                   |
| Repair:           | POND LEVEL WAS LOWERED TO PREVENT OVERTOPPING BASIN. |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/02/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/02/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 05/12/10 09:25 AM | DISPUB | MSD advised customer on site   |

Total Facilities Printed: 9

Total Work Orders Printed: 14



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Appendix B-3 - Discharge Work Orders – BLENDING





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

**KPDES #** KY0025194      **Facility ID** MSD0255      **Water Quality Treatment Center** JEFFERSONTOWN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

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

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>         | <u>Result</u>                   | <u>Completed</u>  | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|------------------------|---------------------------------|-------------------|------------------|
| DISREV: RAIN EVENT DISCHARGE       | 1062157     | 05/01/10 10:21 AM | SINGLETON           | SMITH              | DOCUMENTED          | 01/14/07          | BLENDING AT JTOWN WQTC | UNAUTHORIZED DISCHARGE - WATERS | 05/03/10 11:23 PM |                  |

**Spot Inspections:**

|                                 |   |
|---------------------------------|---|
| Peak Plant Flow when Blending:  | 22,939,000 GPD  |
| Total Plant Flow when Blending: | 30,937,000 GAL  |
| Discharge Amount:               | 7,661,762 GAL   |
| Cause:                          | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT IN THE AREA               |
| Clean Up:                       | CLEANUP NOT POSSIBLE DUE TO ELEVATED CREEK LEVELS                   |
| Control Zone:                   | PIPE DISCHARGES DIRECTLY INTO STREAM. PERMANENT SIGNS POSTED.       |
| Impact:                         | NONE OBSERVED DUR TO HIGH LEVELS OF CREEK                           |
| Repair:                         | NEGOTIATIONS UNDERWAY TO ALLOW TEMPORARY BLENDING AT THIS LOCATION. |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/01/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/01/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |
| 06/07/10 01:14 PM | DISPUB | A permanent overflow warning sign is posted at the effluent line of the WQTC.  |



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

**KPDES #** KY0025194 (Cont'd)      **Facility ID** MSD0255      **Water Quality Treatment Center** JEFFERSONTOWN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>            | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|---------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1081848     | 05/21/10 09:40 PM | MARKS JR            | MILLS              | DOCUMENTED          | 01/14/07          | BLENDING AT JTOWN<br>WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 05/22/10 02:08<br>AM |                  |

**Spot Inspections:**

|                                 |  |
|---------------------------------|--|
| Peal Plant Flow when Blending:  | 15,619,186 GPD   |
| Total Plant Flow when Blending: | 8,956,380 GAL  |
| Discharge Amount:               | 253,859 GAL  |
| Cause:                          | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT                          |
| Clean Up:                       | CLEAN UP NOT POSSIBLE DUE TO HIGH CREEK LEVEL                      |
| Control Zone:                   | PIPE DISCHARGE DIRECTLY INTO STREAM PERMANENT SIGNS POSTED         |
| Impact:                         | NONE OBSERVED DUE TO HIGH LEVEL OF CREEK                           |
| Repair:                         | NEGOTIATIONS UNDER WAY TO ALLOW TEMPORARY BENDING AT THIS LOCATION |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 05/21/10 10:34 PM | DISPUB | PERMANENT SIGNS ARE POSTED AT THIS LOCATION  |
| 05/21/10 01:00 PM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 05/21/10 01:00 PM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |



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

**KPDES #** KY0025194 (Cont'd)      **Facility ID** MSD0255      **Water Quality Treatment Center** JEFFERSONTOWN      **Receiving Stream of Treatment Center** CHENOWETH RUN      **Region** CENT

| <u>Activity Code / Description</u> | <u>WO #</u> | <u>Initiated</u>  | <u>Initiated By</u> | <u>Assigned To</u> | <u>Disch Status</u> | <u>Event Date</u> | <u>Problem</u>            | <u>Result</u>                         | <u>Completed</u>     | <u>Condition</u> |
|------------------------------------|-------------|-------------------|---------------------|--------------------|---------------------|-------------------|---------------------------|---------------------------------------|----------------------|------------------|
| DISREV: RAIN EVENT<br>DISCHARGE    | 1093777     | 06/09/10 12:35 PM | ELDER               | WRIGHT             | DOCUMENTED          | 01/14/07          | BLENDING AT JTOWN<br>WQTC | UNAUTHORIZED<br>DISCHARGE -<br>WATERS | 06/09/10 09:29<br>PM |                  |

**Spot Inspections:**

|                                 |  |
|---------------------------------|--|
| Peal Plant Flow when Blending:  | 16,991,000 GPD   |
| Total Plant Flow when Blending: | 5,988,000 GAL  |
| Discharge Amount:               | 786,248 GAL  |
| Cause:                          | LACK OF SYSTEM CAPACITY DUE TO RAIN EVENT                          |
| Clean Up:                       | CLEAN UP NOT POSSIBLE DUE TO HIGH CREEK LEVEL                      |
| Control Zone:                   | PIPE DISCHARGE DIRECTLY INTO STREAM PERMANENT SIGNS POSTED         |
| Impact:                         | NONE OBSERVED DUE TO HIGH LEVEL OF CREEK                           |
| Repair:                         | NEGOTIATIONS UNDER WAY TO ALLOW TEMPORARY BENDING AT THIS LOCATION |

**Notifications:**

|                   |        |  |
|-------------------|--------|--|
| 06/09/10 12:52 PM | DISPUB | permanent signs are posted at this location  |
| 06/09/10 01:00 AM | DISNOT | Email notification of unauthorized discharge sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov                       |
| 06/09/10 01:00 AM | DISSNO | Supplemental Email notification of unauthorized discharge has been sent to ireland.sean@epa.gov, eppc.ert@ky.gov and LisaA.Jeffries@ky.gov |

**Total Facilities Printed: 1**  
**Total Work Orders Printed: 3**



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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               | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 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               | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 031 | CRD 6th & BRECKINRIDGE     | OR               | 3.7                   | 0.00                       | 0                      | 0.00                        | 0                      | 0.00                           |
| 032 | CRD 4th & BRECKINRIDGE     | OR               | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 033 | CRD ON YORK E OF 4th       | OR               | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 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               | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 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           | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 080 | PAYNE STREET               | MF BGC           | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 081 | LETTERLE                   | SF BGC           | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 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           | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 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           | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 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           | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 144 | VANCE ST REGULATOR           | MF BGC           | 16.4                  | 0.00                       | 0                      | 0.00                        | 0                      | 0.00                           |
| 145 | POINT PUMP STATION           | SF BGC           | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 146 | SNEADS BRANCH DIVERSION      | SF BGC           | 112.6                 | 50.45                      | 46                     | 52.57                       | 58                     | 2.12                           |
| 147 | SWAN STREET DIVERSION        | SF BGC           | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 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               | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 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           | <b>Eliminated</b>     |                            |                        |                             |                        |                                |
| 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               | <b>Eliminated</b>     |   |                        |                             |                        |                                |
| 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               | <b>Eliminated</b>     |   |                        |                             |                        |                                |
| 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           | <b>Eliminated</b>     |   |                        |                             |                        |                                |
| 210          | 45th STREET-GREENWOOD                                   | OR               | 166.7                 | 503.73                                    | 52                     | 197.29                      | 51                     | -306.44                        |
| 211          | MAIN DIVERSION STRUCTURE                                | OR               | 3,554.9               | 465.55                                    | 29                     | 377.61                      | 29                     | -87.94                         |
| <b>SBR</b>   | <b>CSOs 142,174,180,182,183,184,185,186,187,188,205</b> |                  |                       | <b>12.15</b>                              | <b>9</b>               | <b>12.14</b>                | <b>9</b>               | <b>-0.01</b>                   |
| <b>Total</b> |   |                  |                       | <b>4,092</b>                              | <b>2,314</b>           | <b>3,298</b>                | <b>2,348</b>           |                                |
|              |   |                  |                       | <b>Total AAOV Difference (MG/YR)</b>      | <b>613.82</b>          | <b>-793.02</b>              |                        |                                |
|              |   |                  |                       | <b>Total AAOV Difference (Percentage)</b> | <b>15%</b>             | <b>-19%</b>                 |                        |                                |

**Details of Individual SBR CSOs**

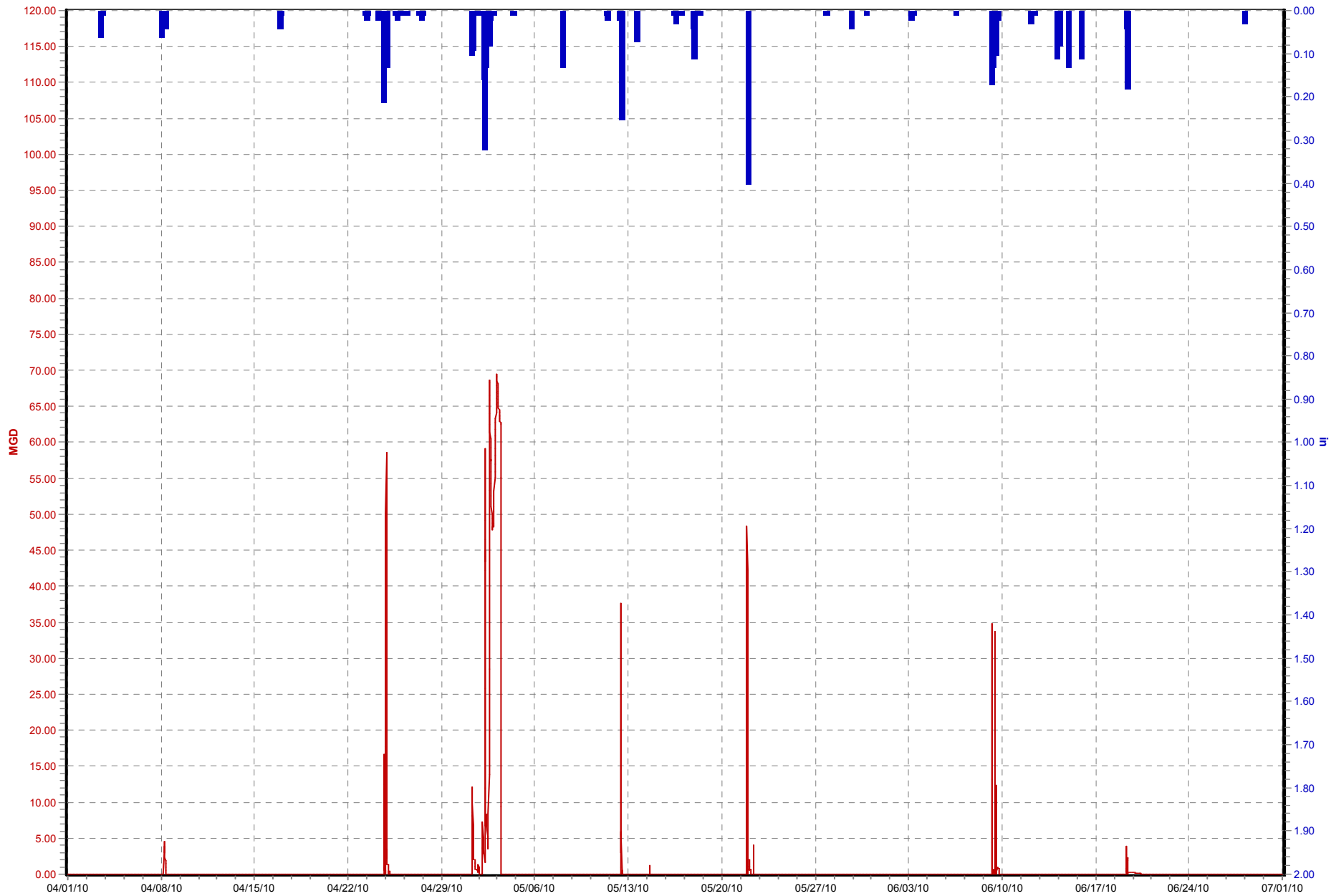
| SBR | CSOs 142,174,180,182,183,184,185,186,187,188,205 |        |       |       |    |       |    |
|-----|--|--------|-------|-------|----|-------|----|
| 142 | SBR LOGAN ST @ ST CATHERINE                      | SF BGC | 157.5 | 0.00  | 0  | 0.00  | 0  |
| 174 | SBR GOSS & BOYLE                                 | 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  |

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Appendix D – CSO Flow Monitoring Data

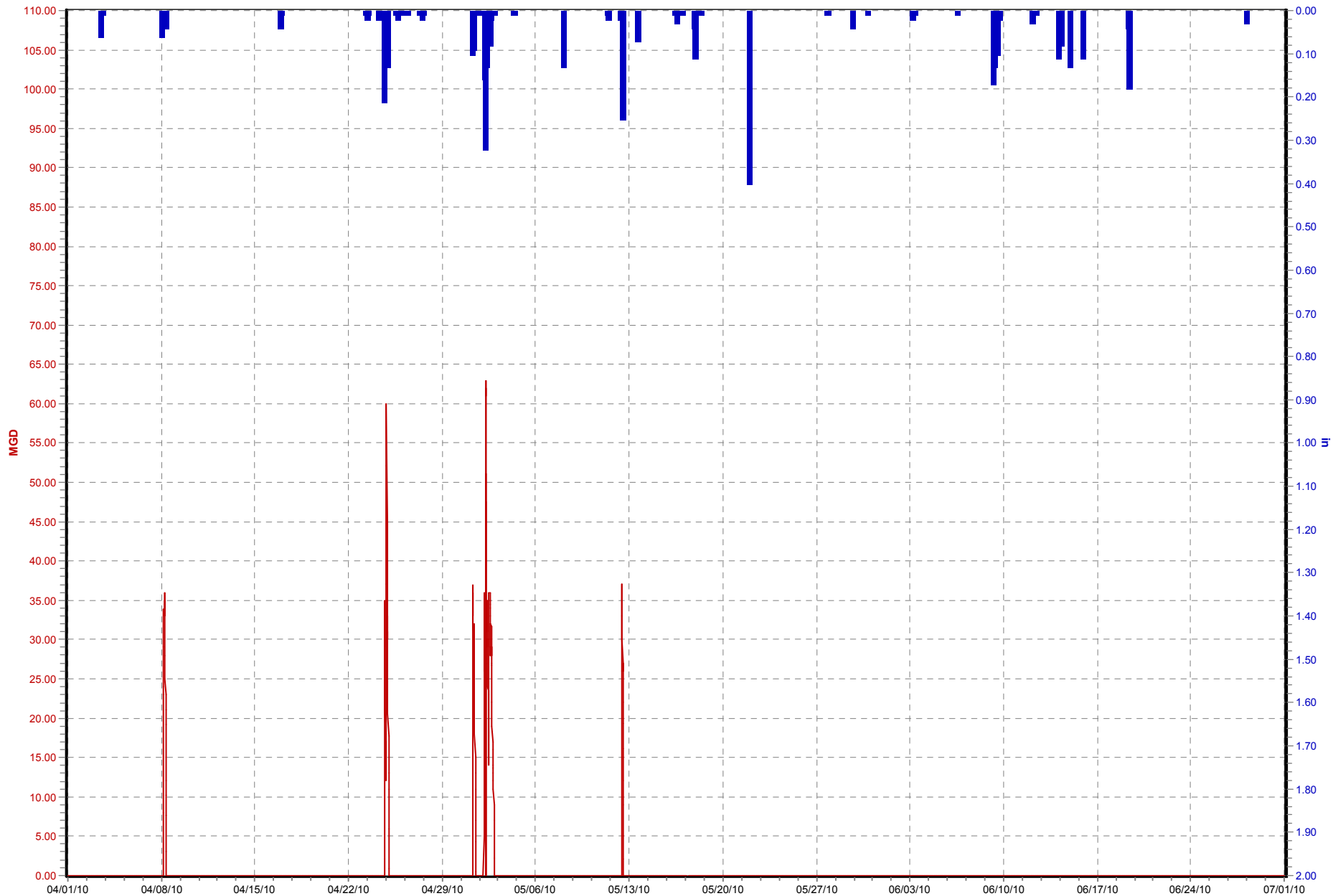
CSO015\_Historical Data (04/01/10 to 07/01/10)

Actual Flow (MGD)  TR04\_Historical Data.Rain (in)



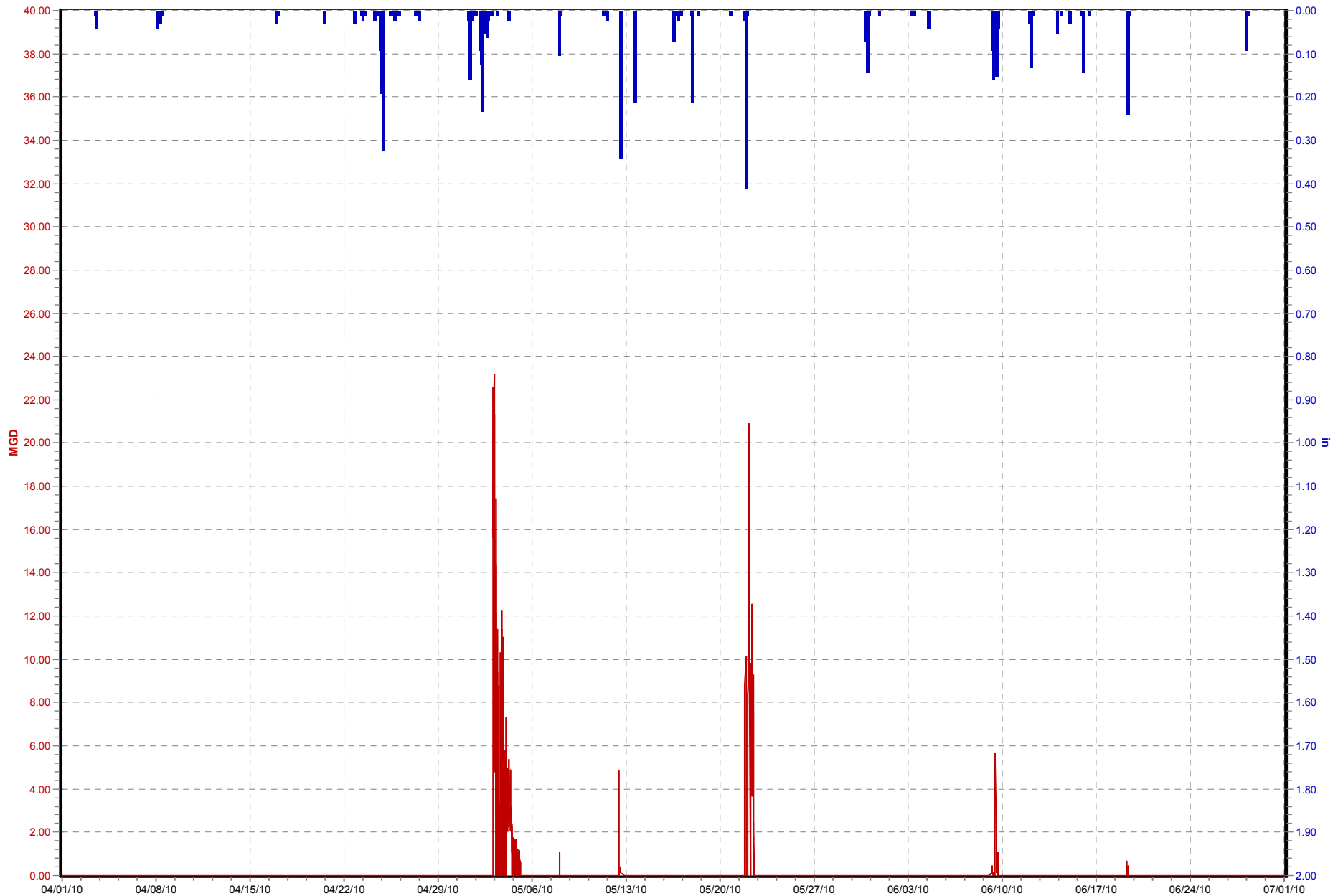
CSO016\_Historical Data (04/01/10 to 07/01/10)

Flow (MGD)  TR04\_Historical Data.Rain (in)



CSO018\_Historical Data (04/01/10 to 07/01/10)

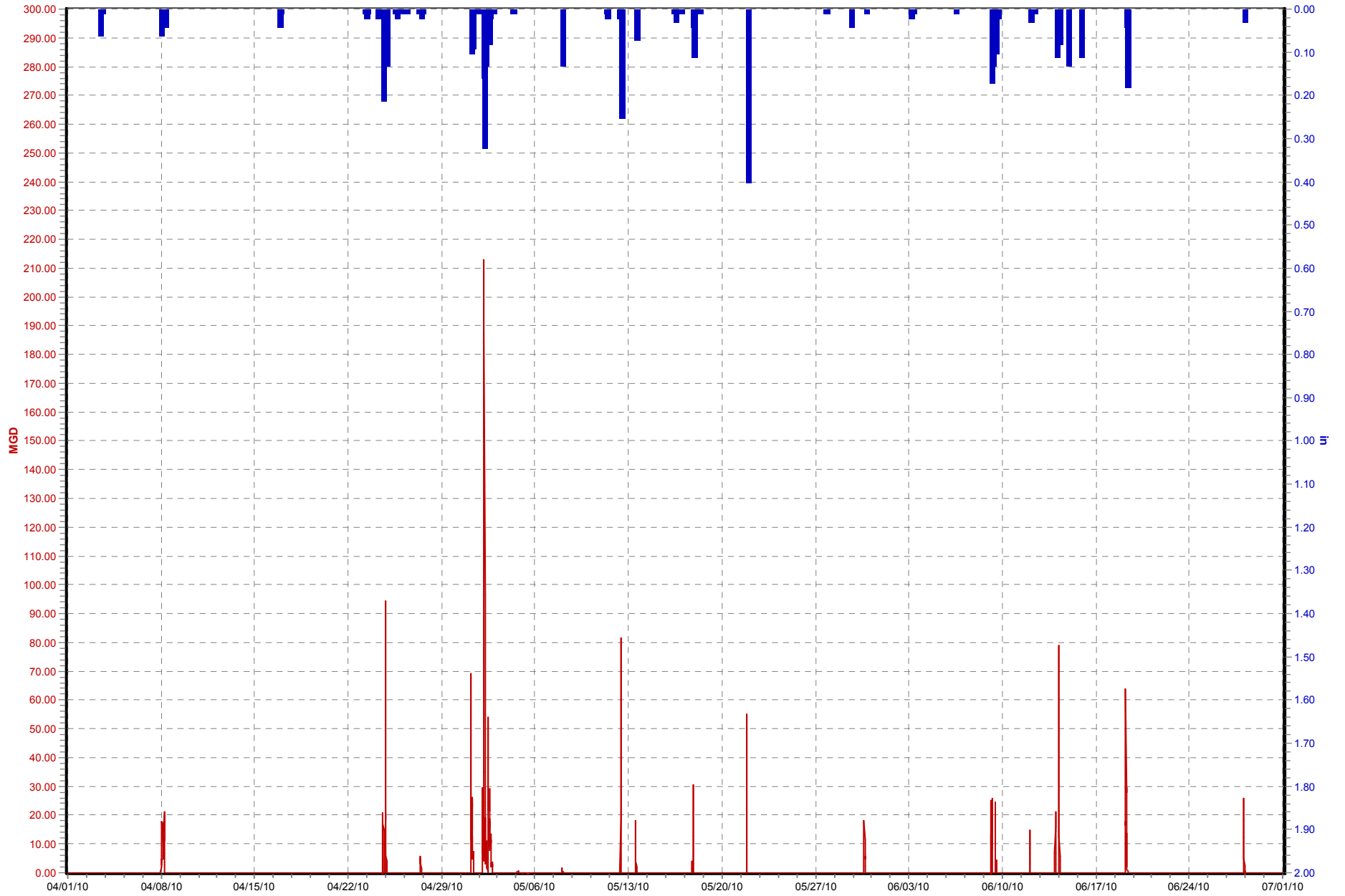
Flow (MGD)  TR12\_Historical Data.Rain (in)





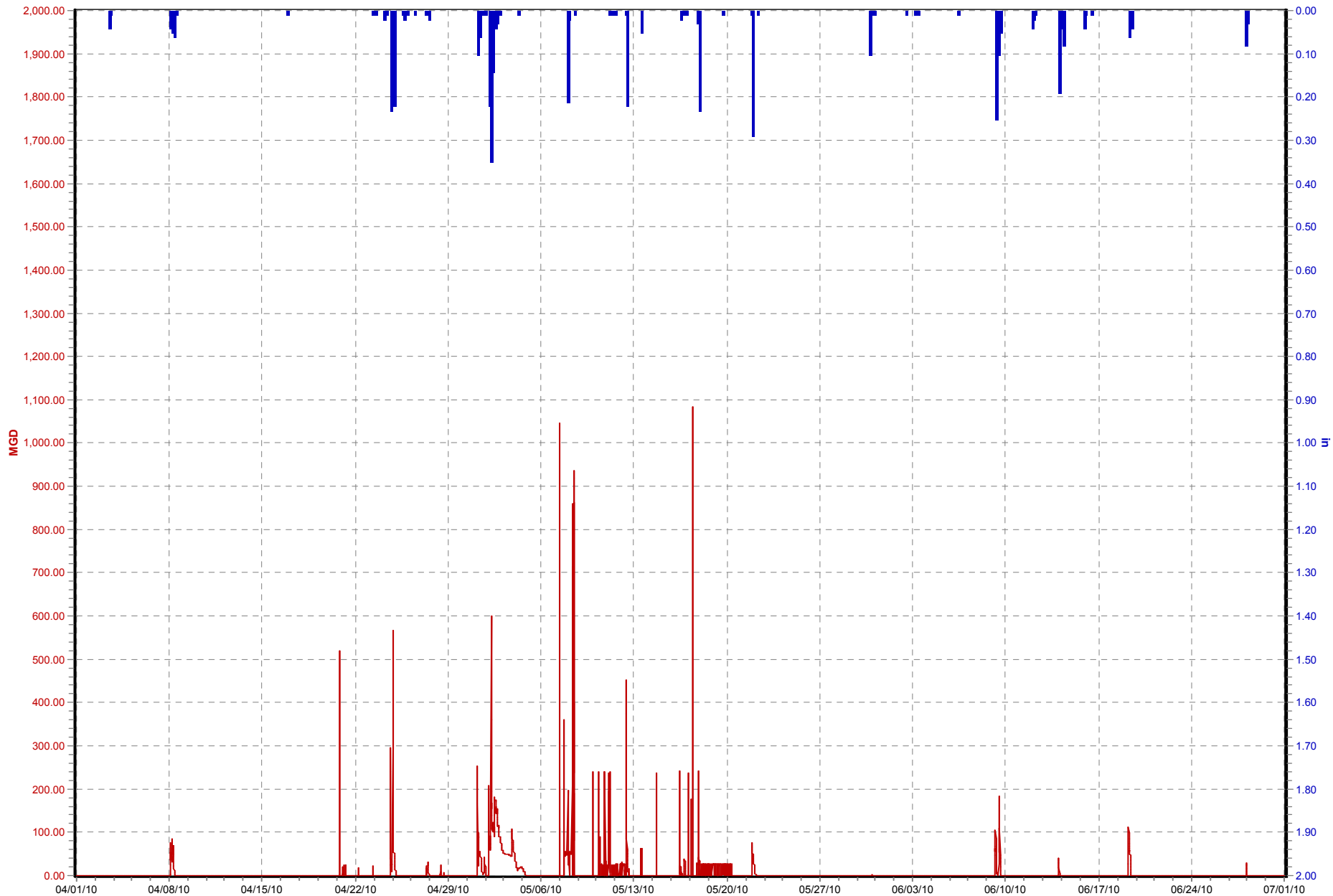
CSO019 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR04\_Historical Data.Rain (in)



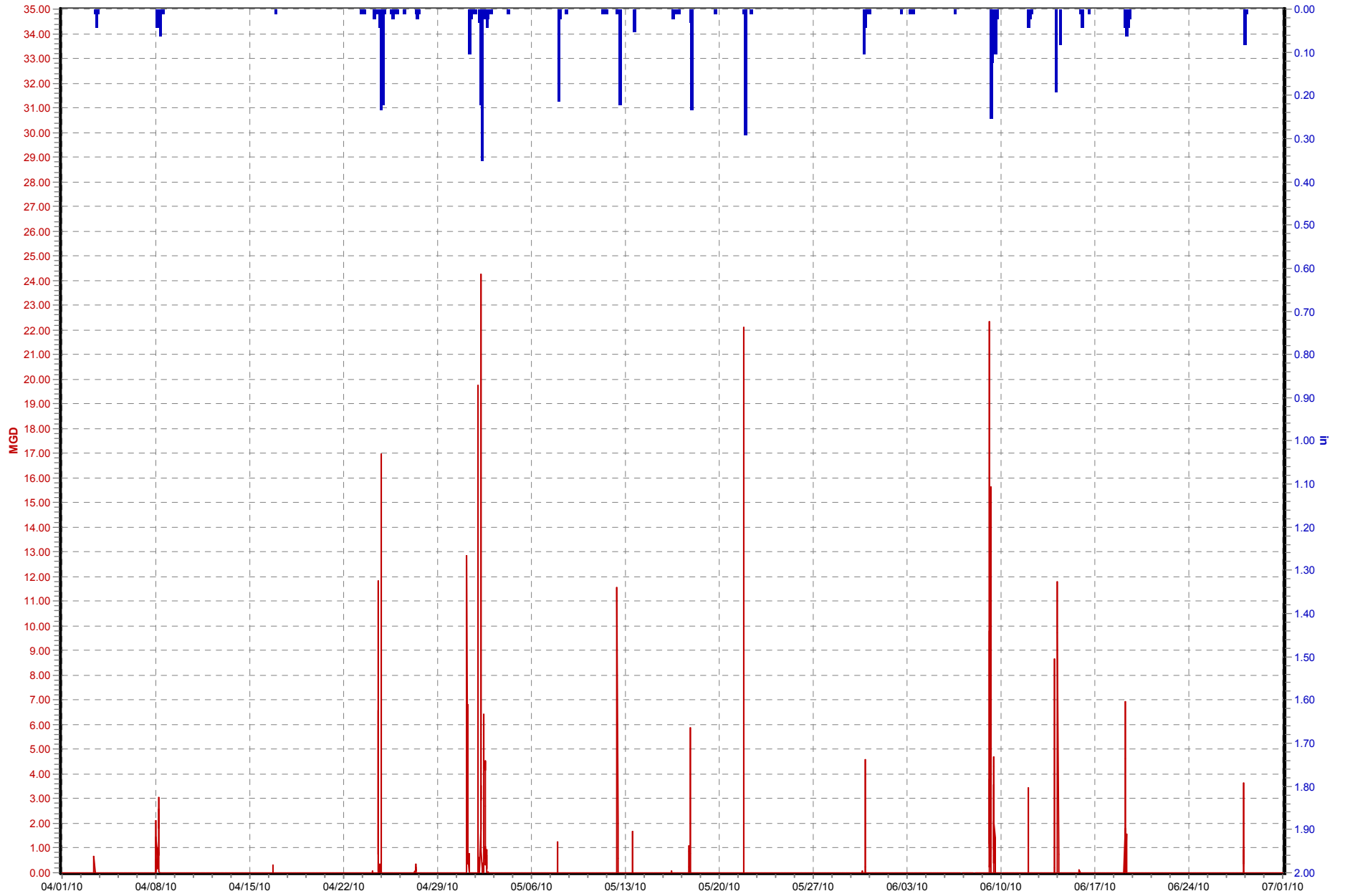
CSO020\_Historical Data (04/01/10 to 07/01/10)

Flow (MGD)  TR05\_Historical Data.Rain (in)



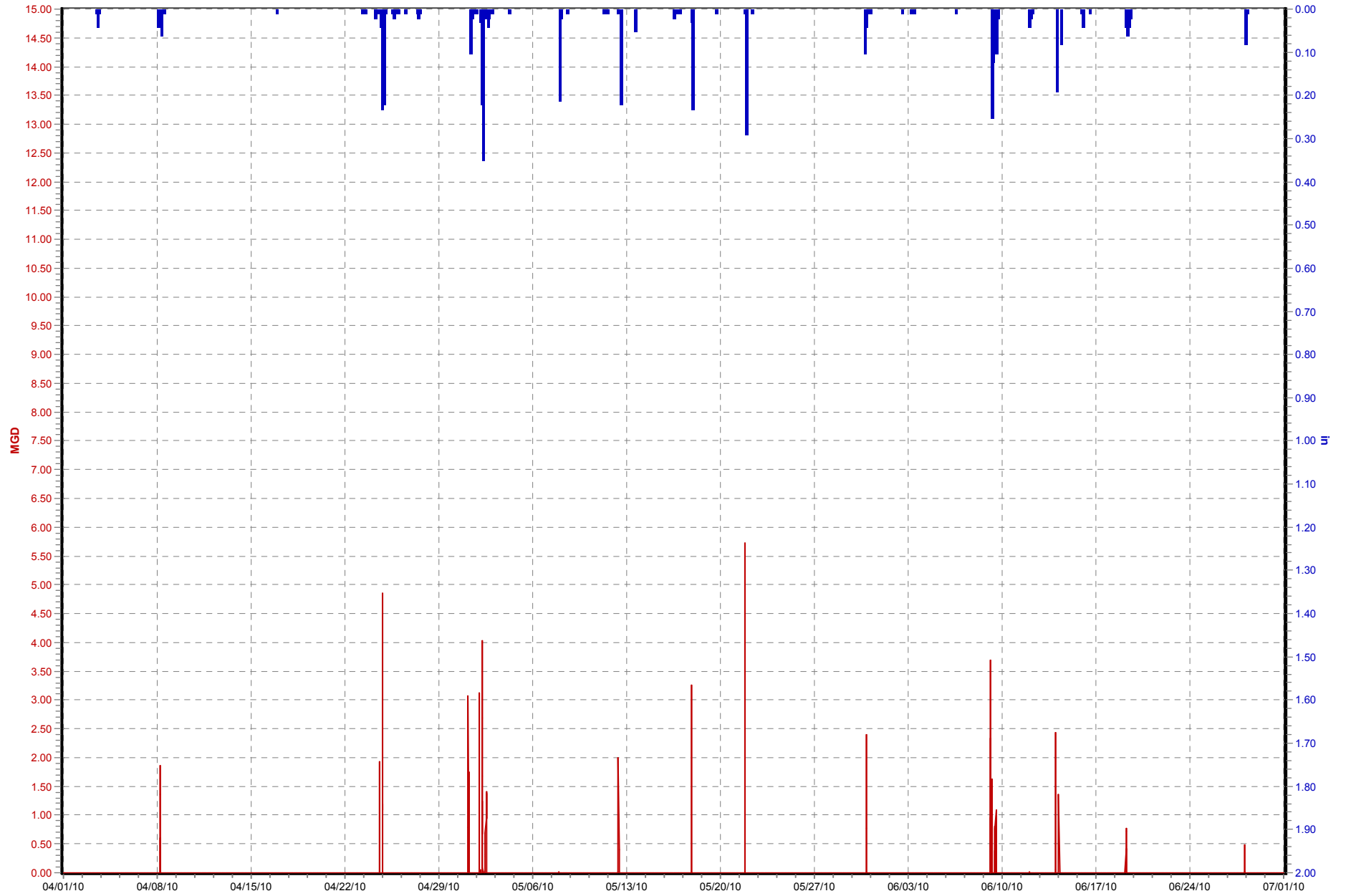
### CSO050 (04/01/10 to 07/01/10)

Flow 1 (MGD)       TR05\_Historical Data.Rain (in)



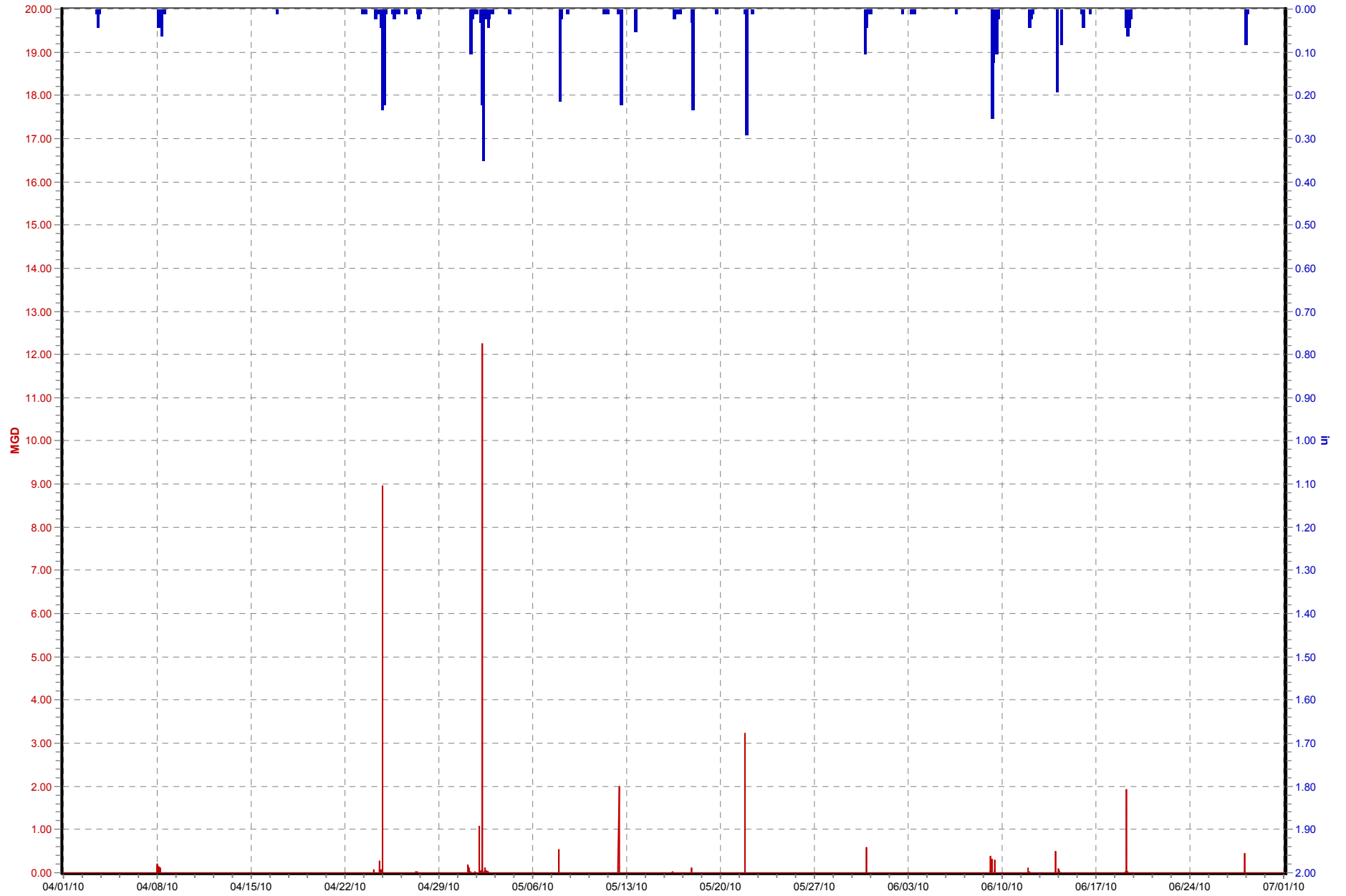
CSO055 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR05\_Historical Data.Rain (in)



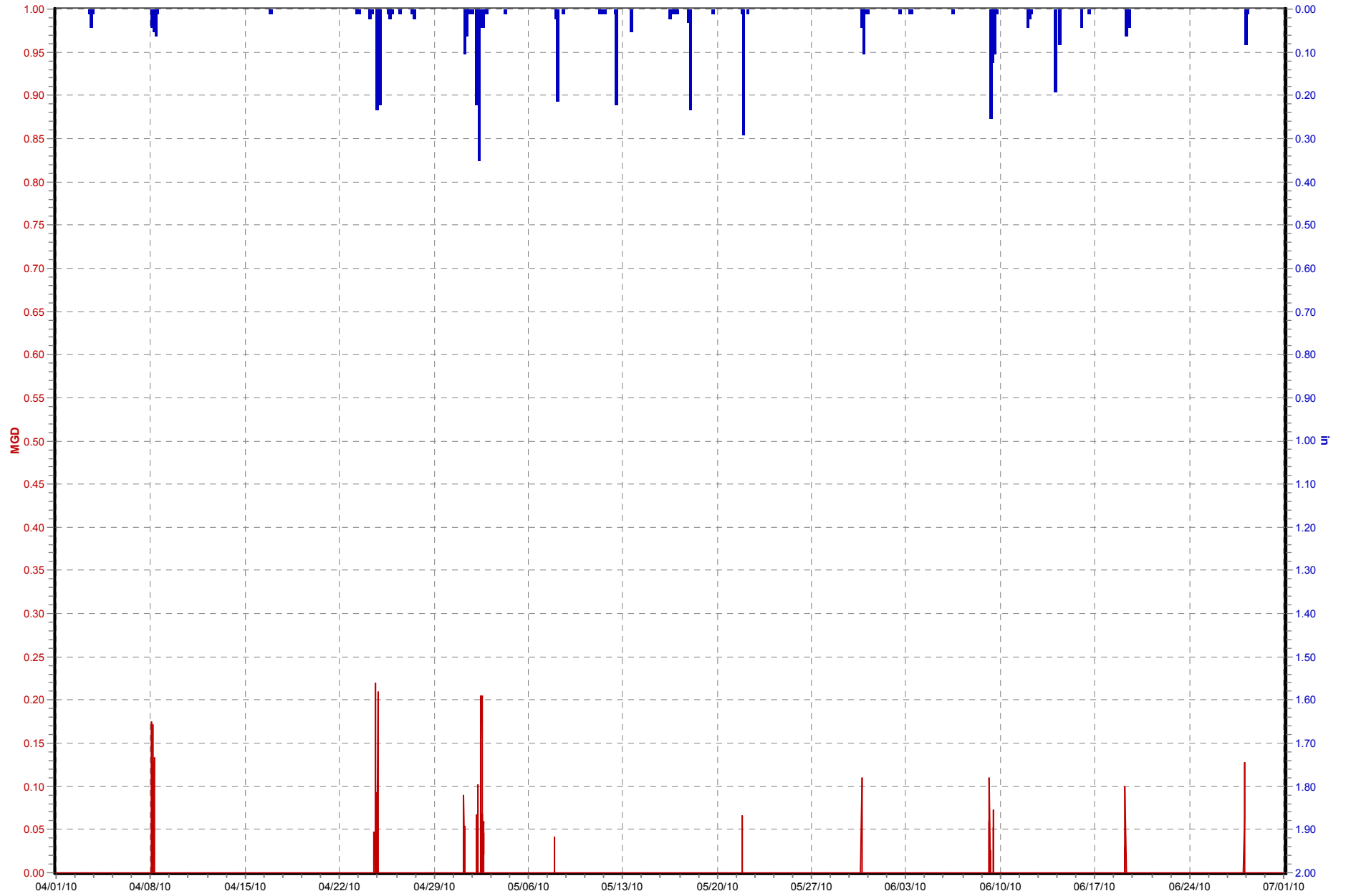
CSO058 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR05\_Historical Data.Rain (in)



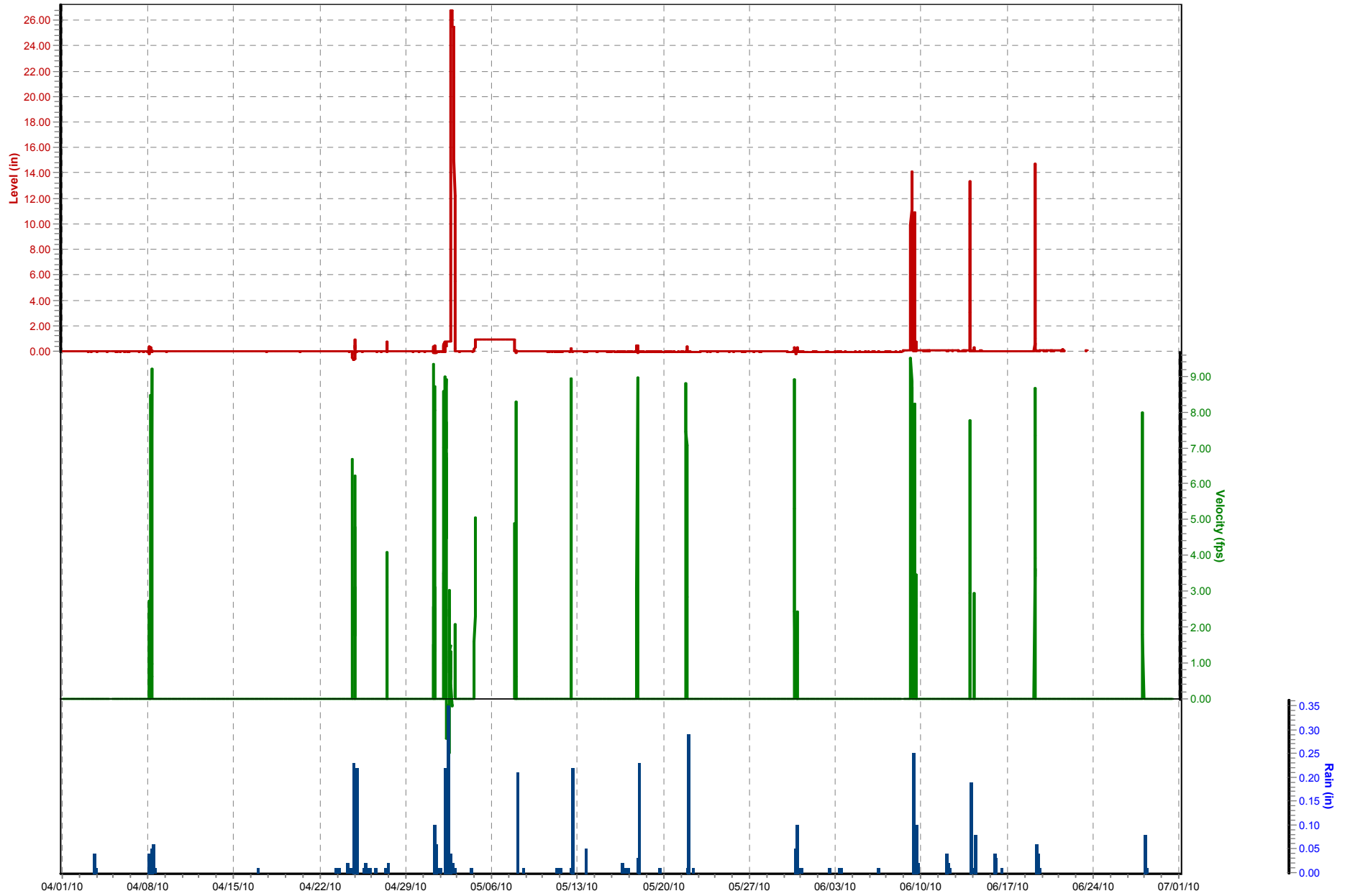
### CSO084 (04/01/10 to 07/01/10)

Flow 1 (MGD)       TR05\_Historical Data.Rain (in)



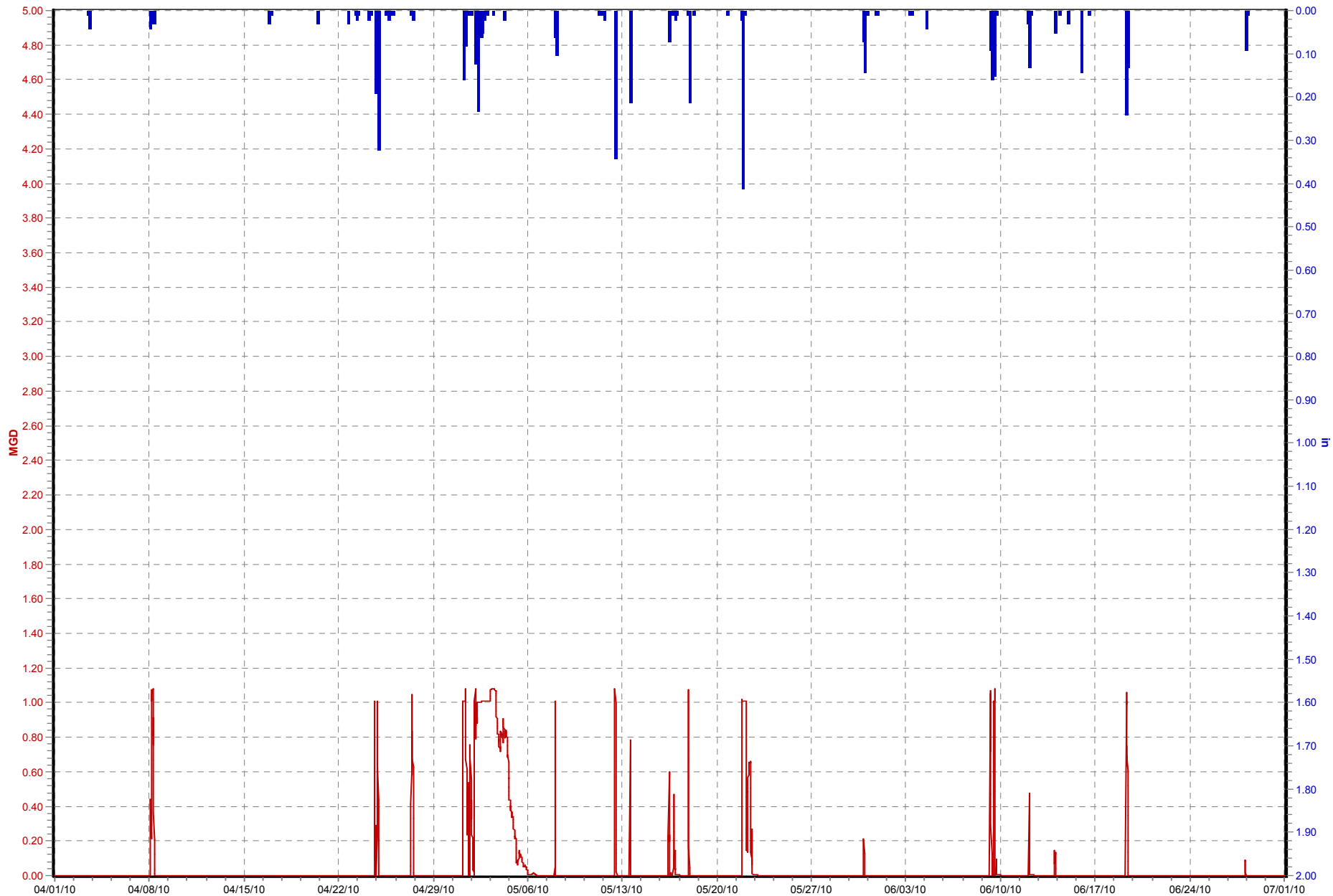
CSO088 (04/01/10 to 07/01/10)

M2 Level (in)     Level\_Gaps (in)     M2 Velocity (f/s)     Velocity\_Gaps (f/s)     TR05\_Historical Data.Rain (in)



CSO097\_Historical Data (04/01/10 to 07/01/10)

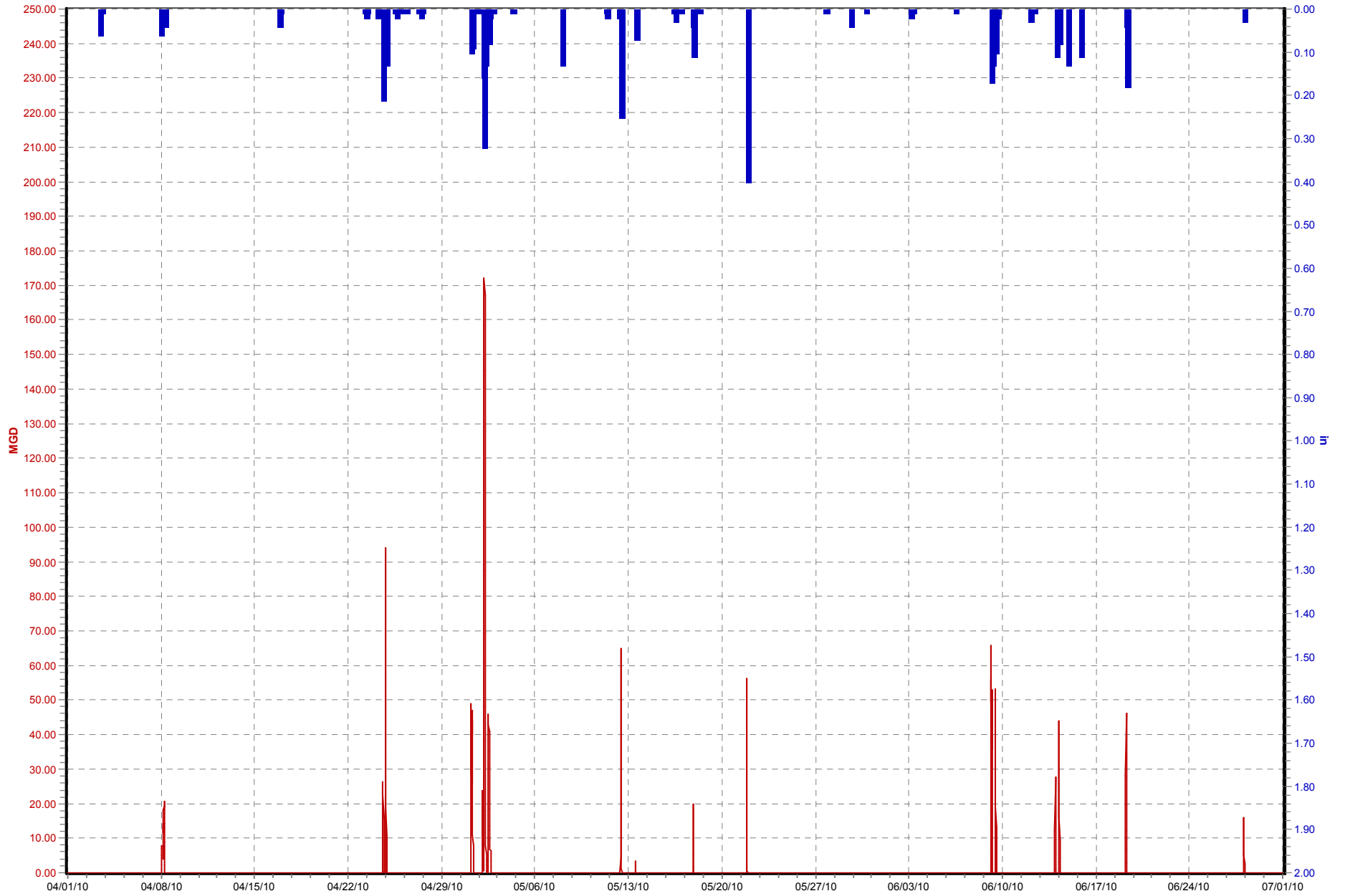
Flow (MGD)  TR12\_Historical Data.Rain (in)





CSO105 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR04\_Historical Data.Rain (in)



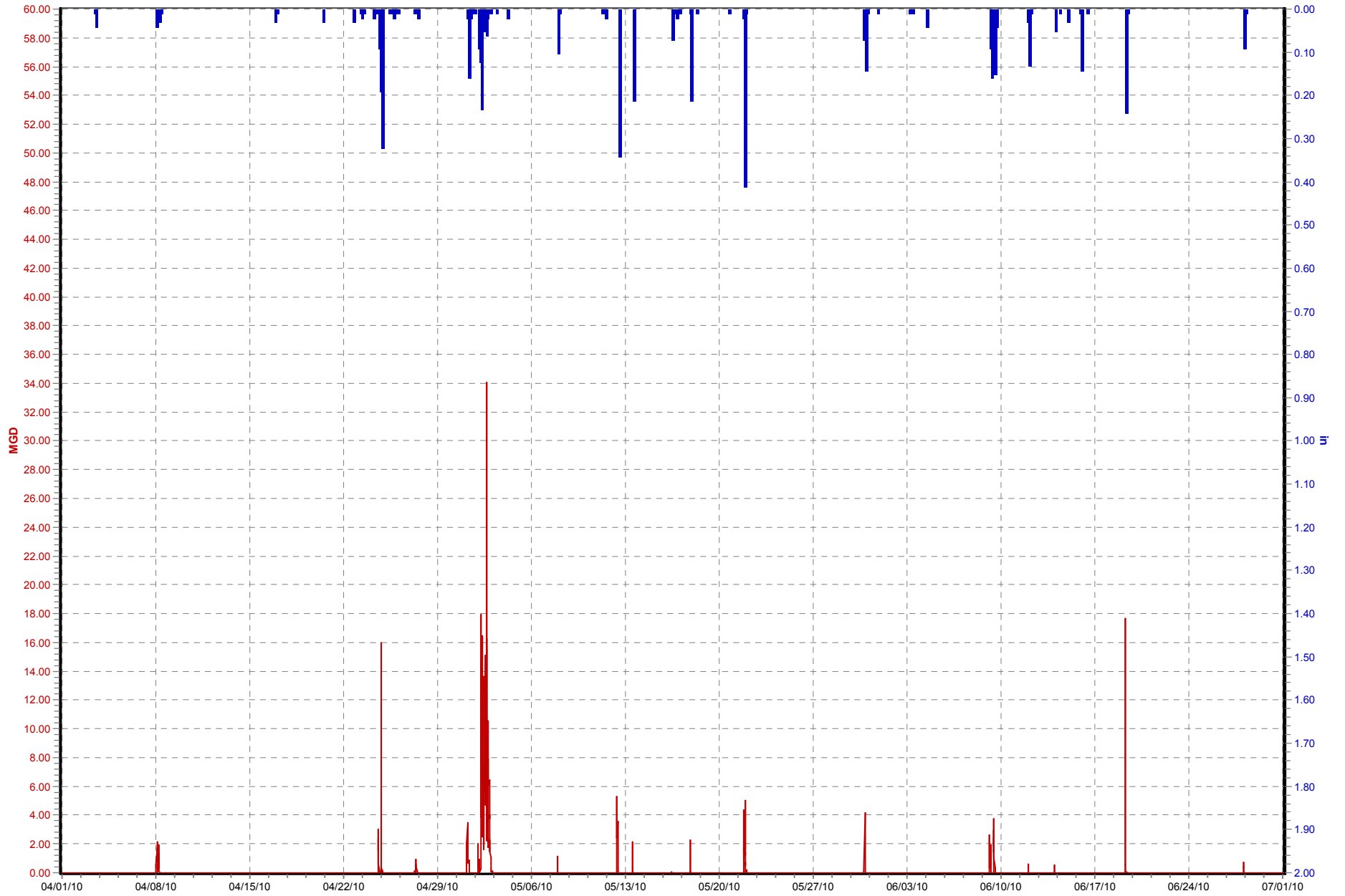
CSO108 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR12\_Historical Data.Rain (in)



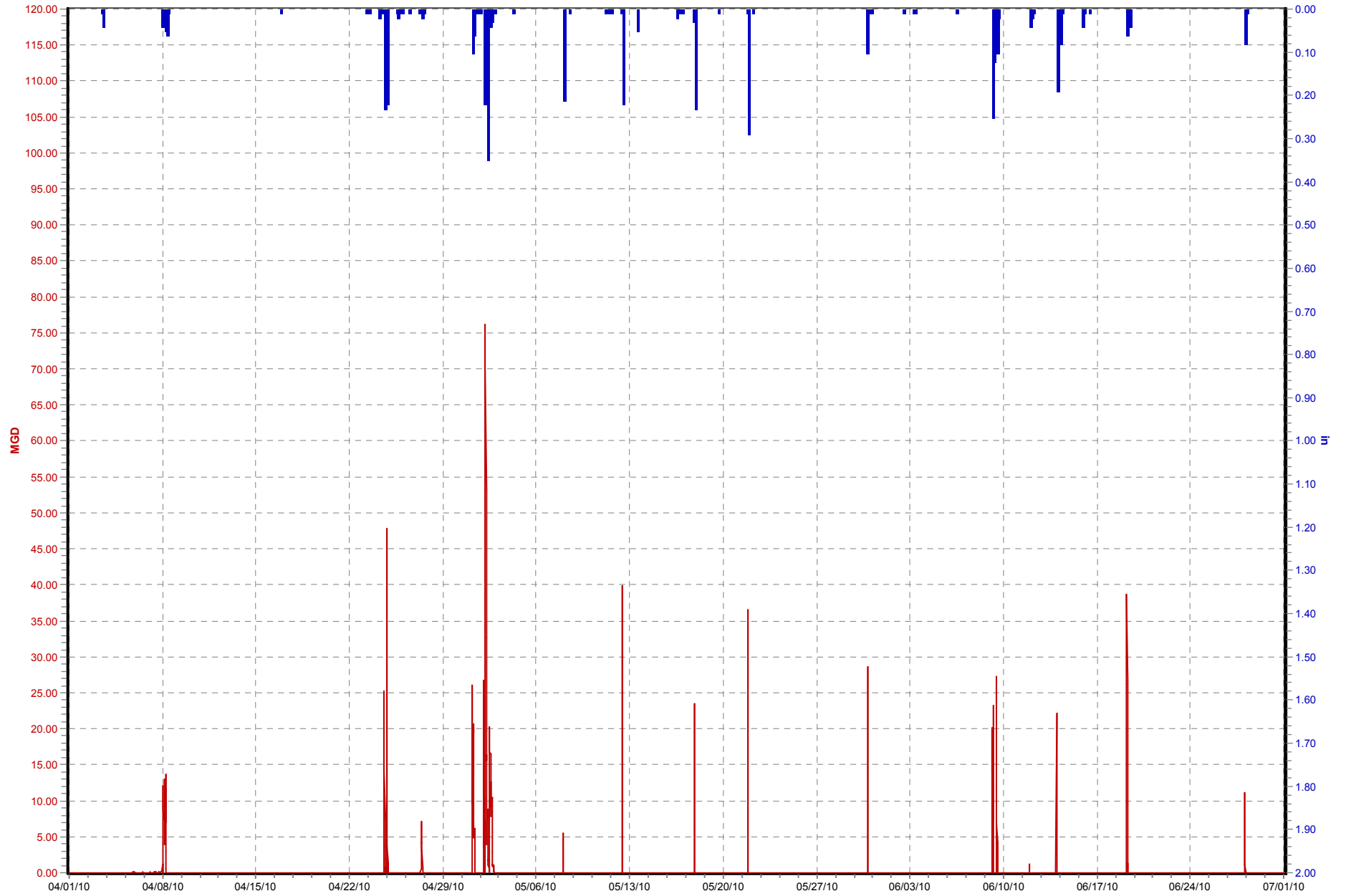
### CSO110 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR12\_Historical Data.Rain (in)



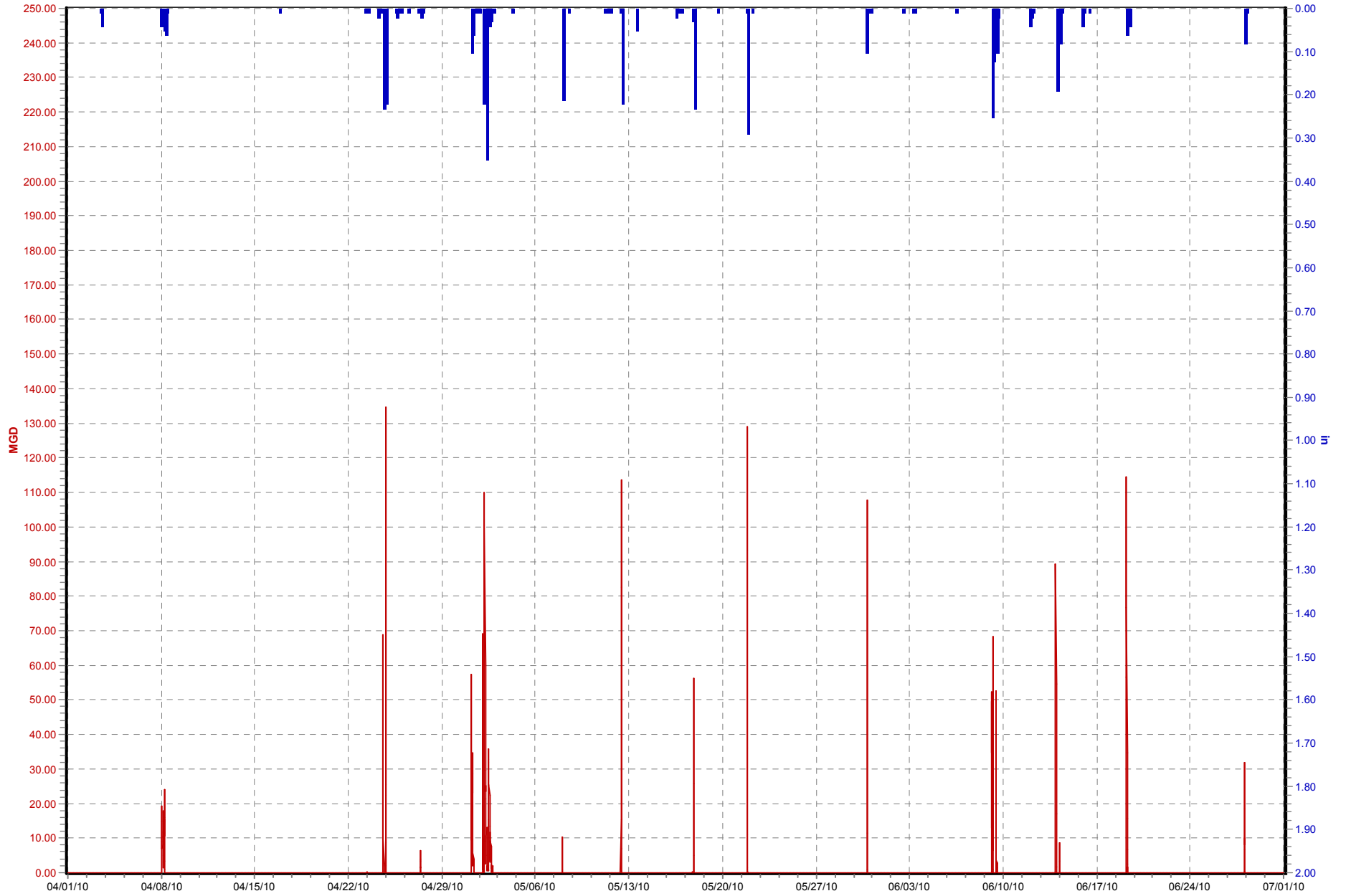
### CSO117 (04/01/10 to 07/01/10)

Flow 1 (MGD)       TR05\_Historical Data.Rain (in)



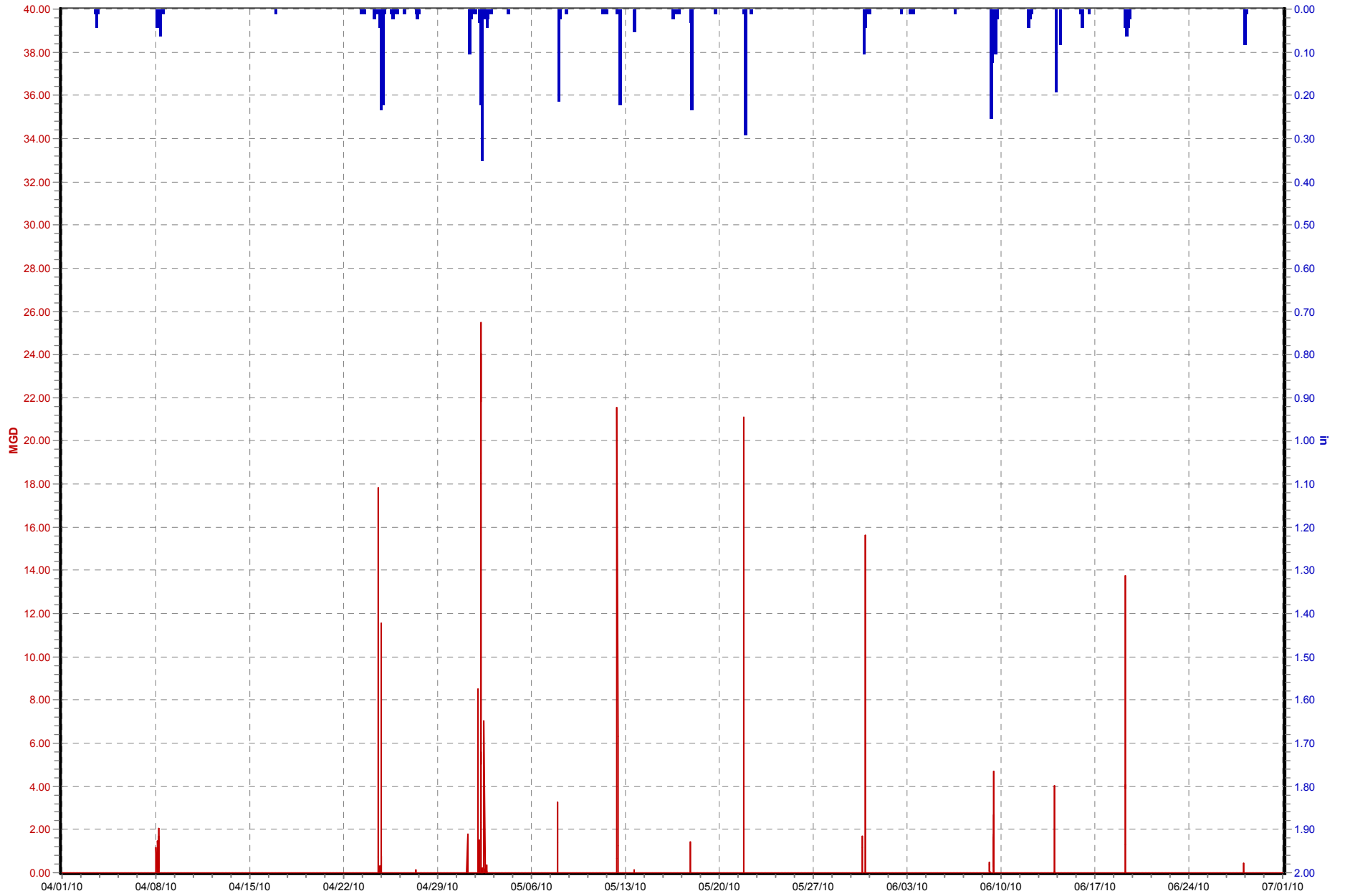
CSO118 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR05\_Historical Data.Rain (in)



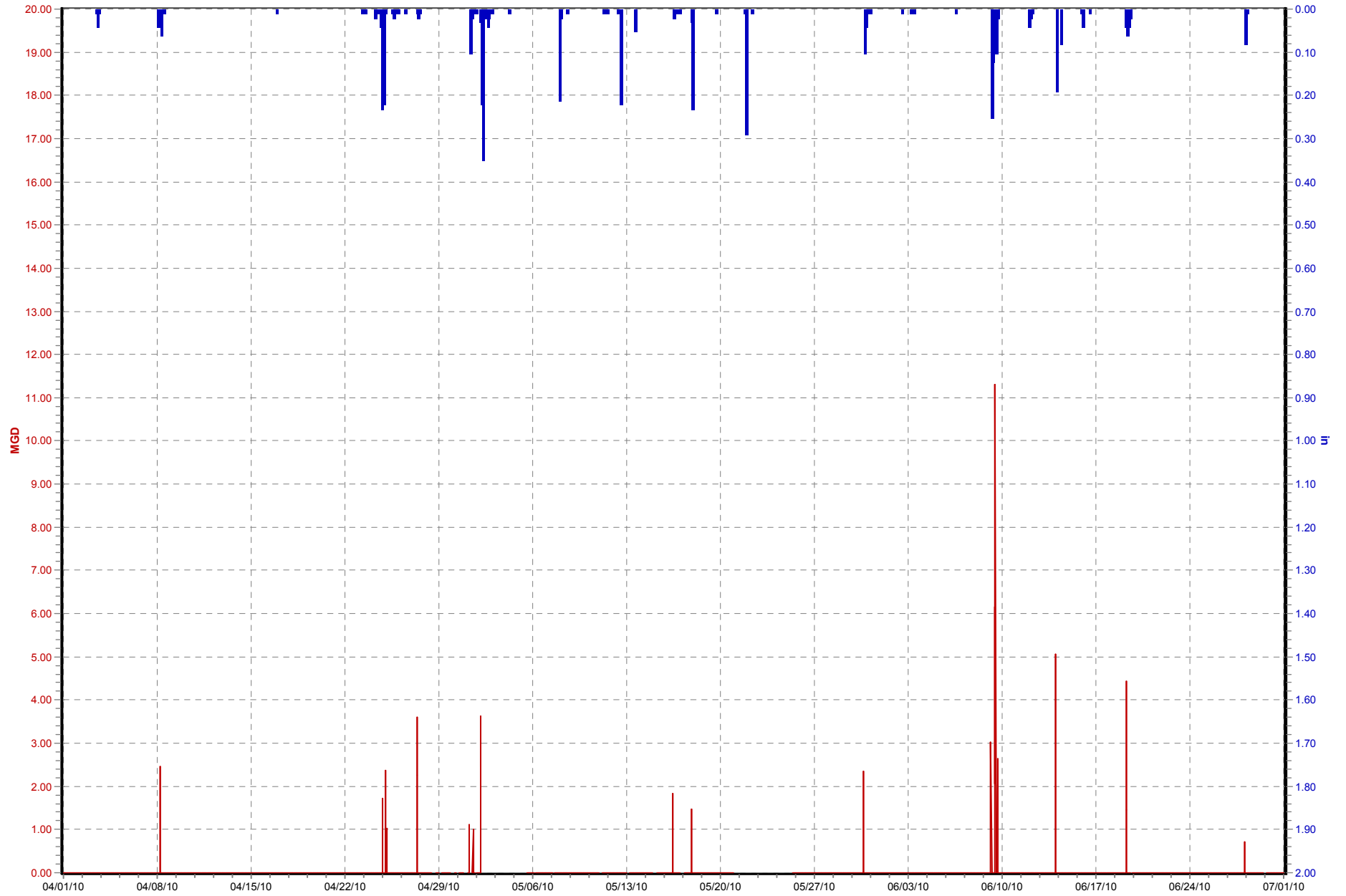
CSO121 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR05\_Historical Data.Rain (in)



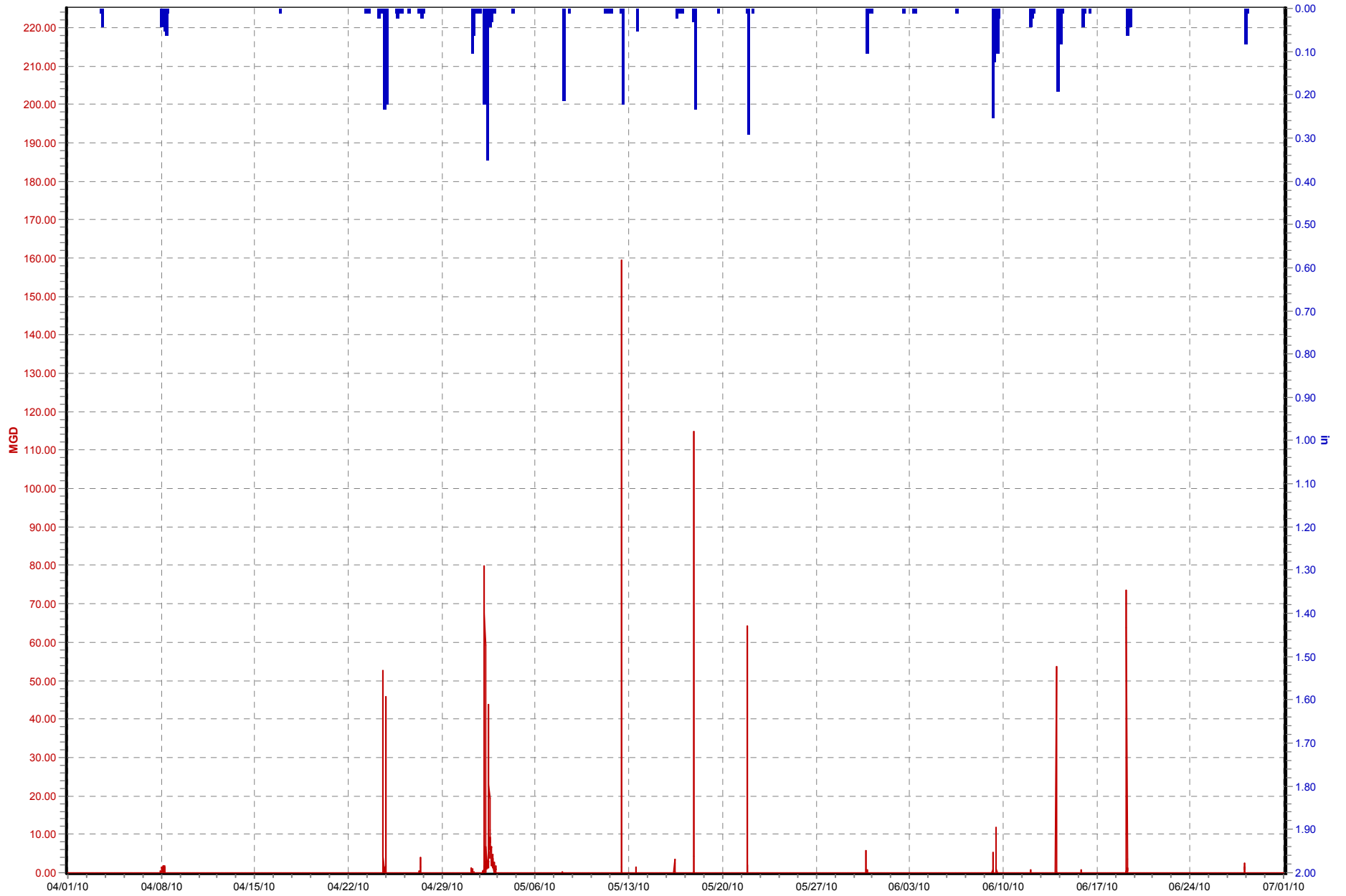
### CSO125 (04/01/10 to 07/01/10)

Flow 1 (MGD)       TR05\_Historical Data.Rain (in)



CSO127 (04/01/10 to 07/01/10)

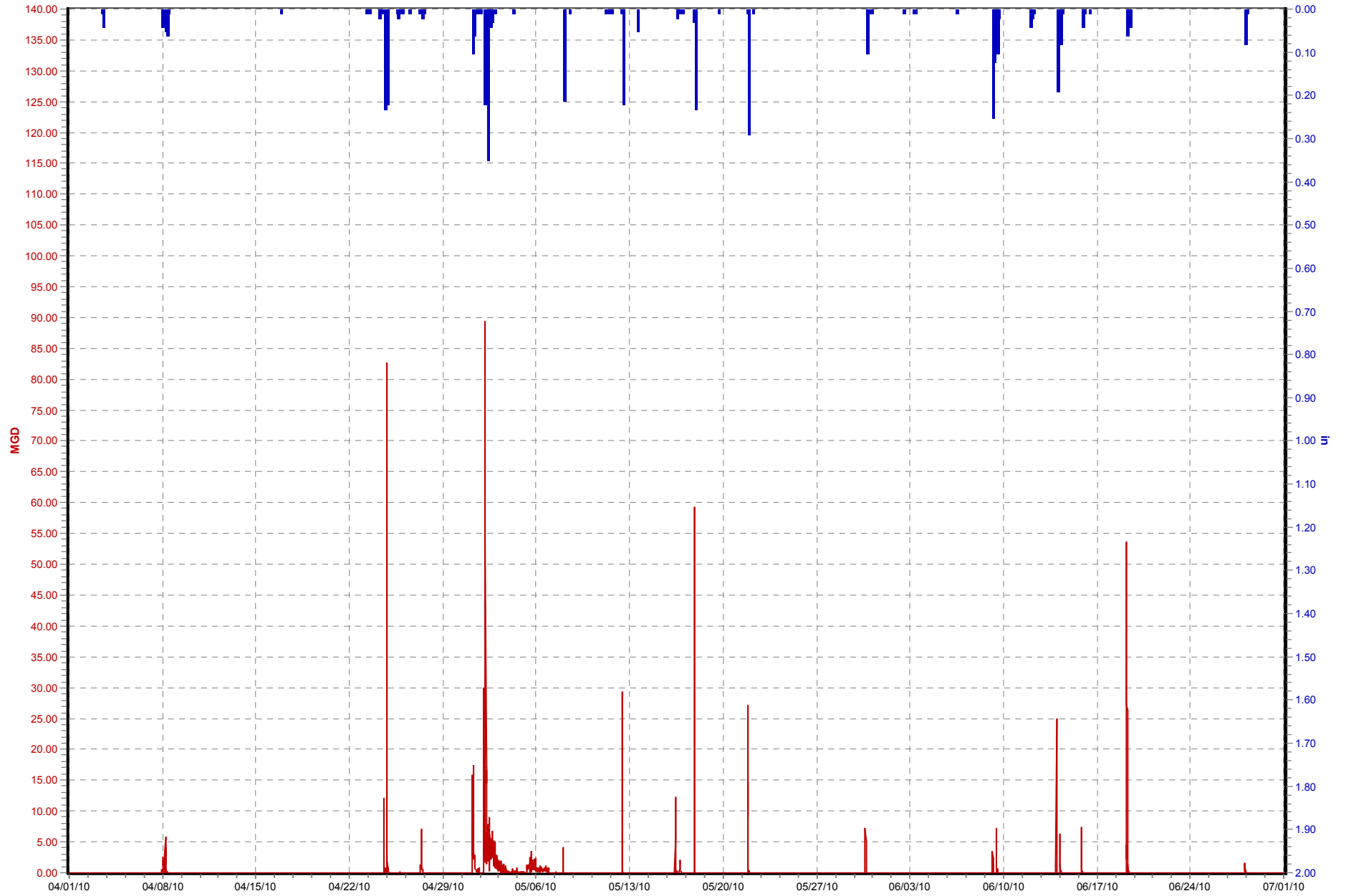
Flow 1 (MGD)  TR05\_Historical Data.Rain (in)





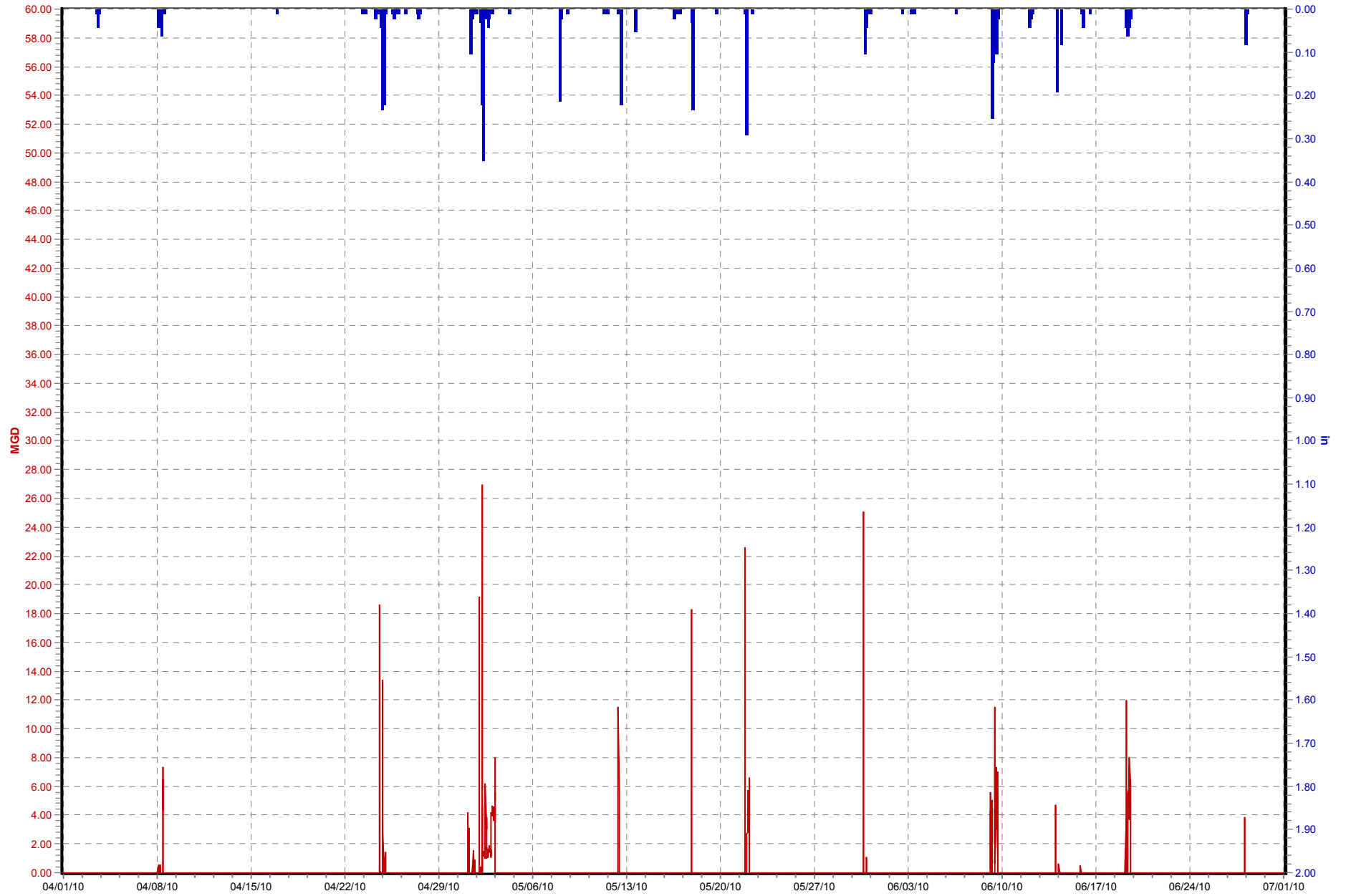
CSO132 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR05\_Historical Data.Rain (in)



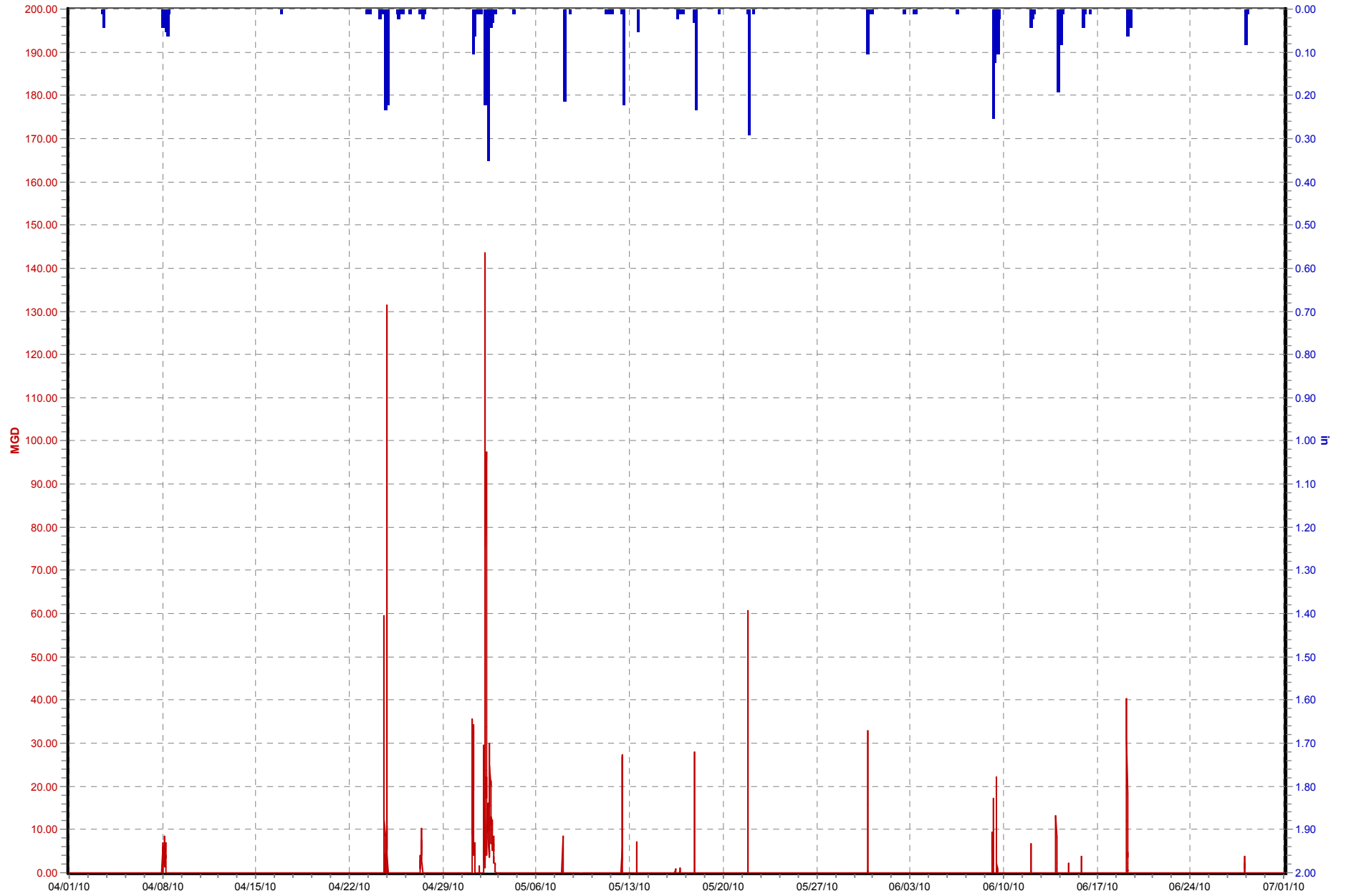
CSO140 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR05\_Historical Data.Rain (in)



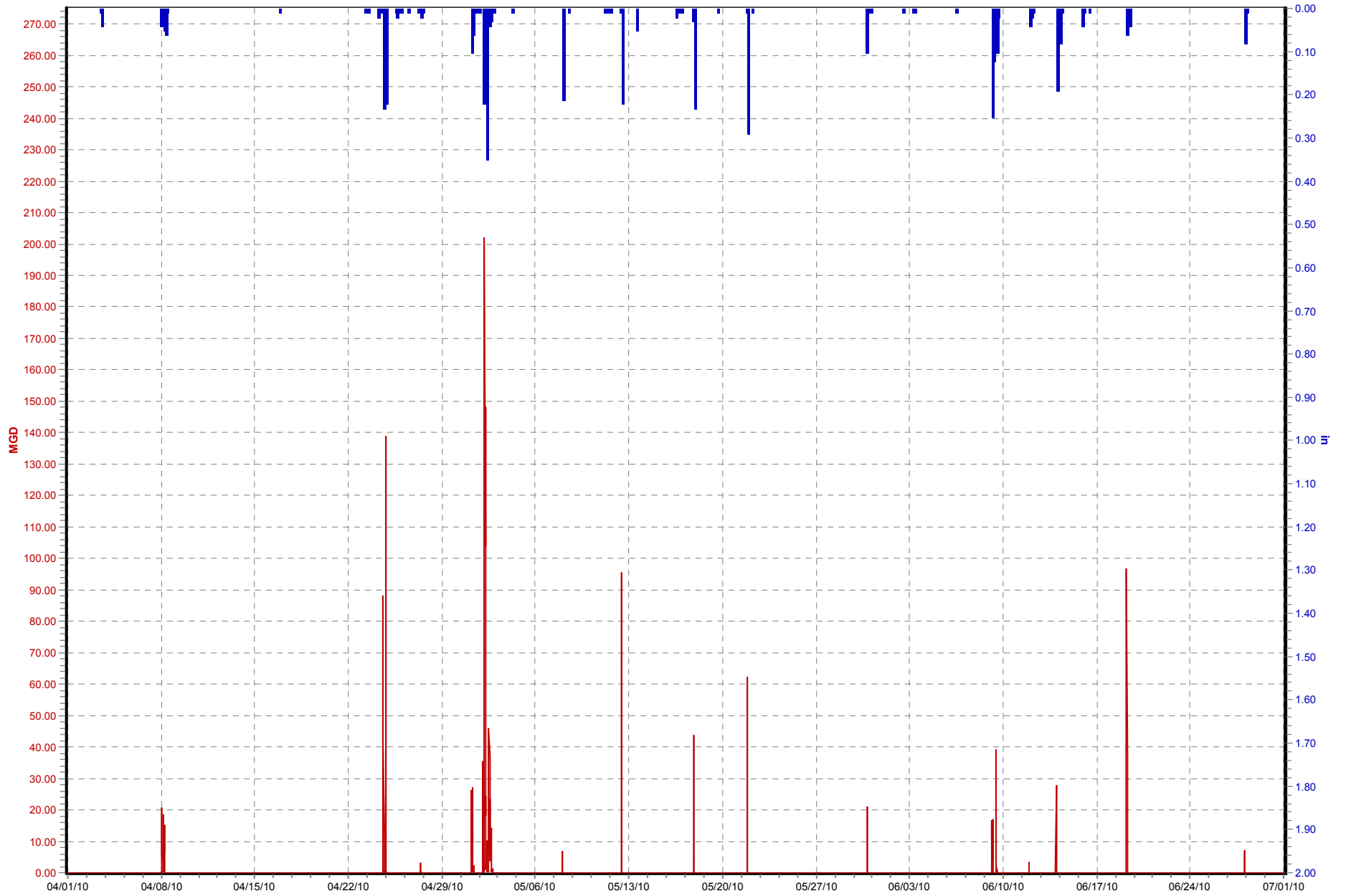
CSO146 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR05\_Historical Data.Rain (in)



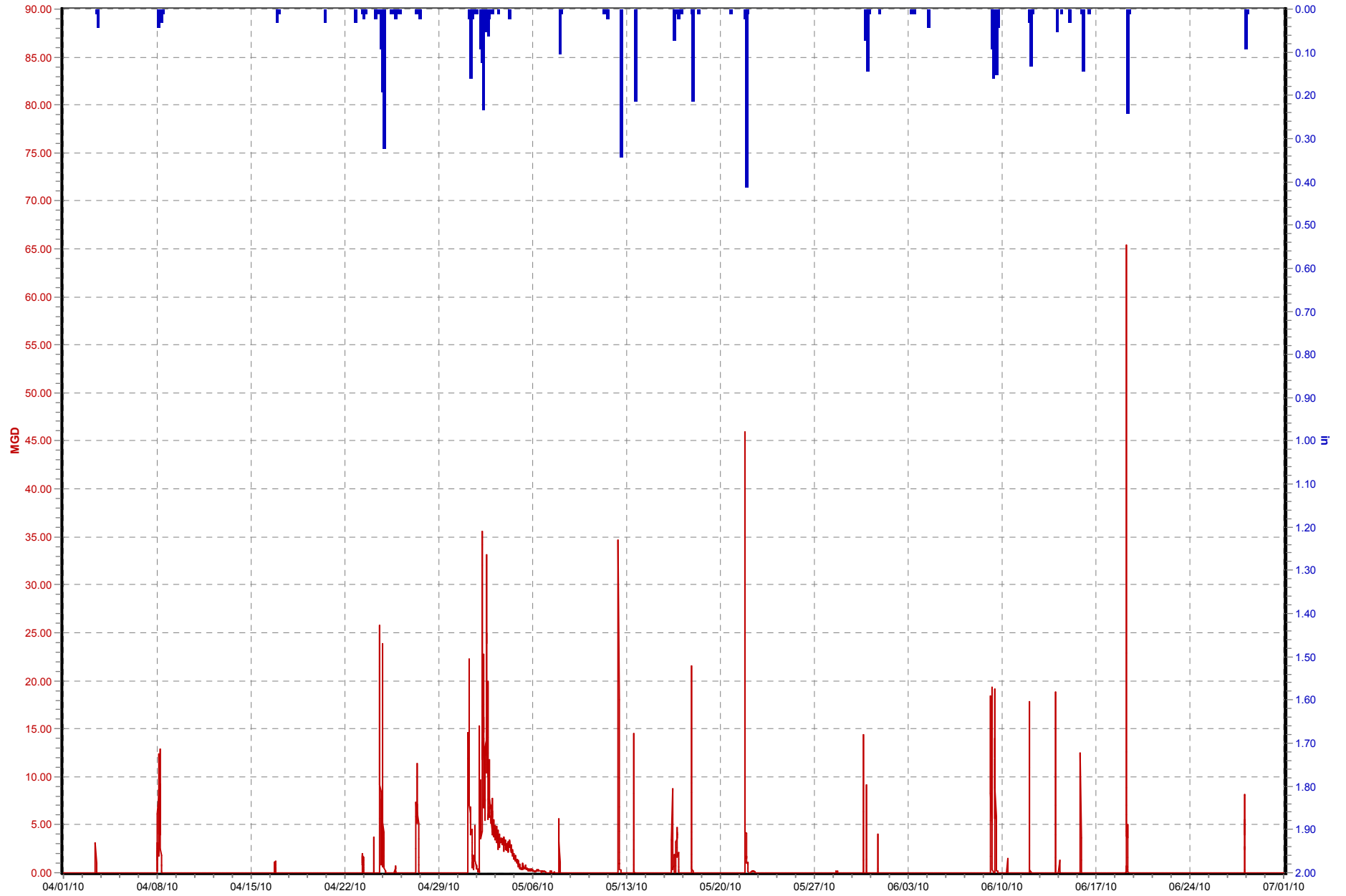
### CSO149 (04/01/10 to 07/01/10)

Flow 1 (MGD)       TR05\_Historical Data.Rain (in)



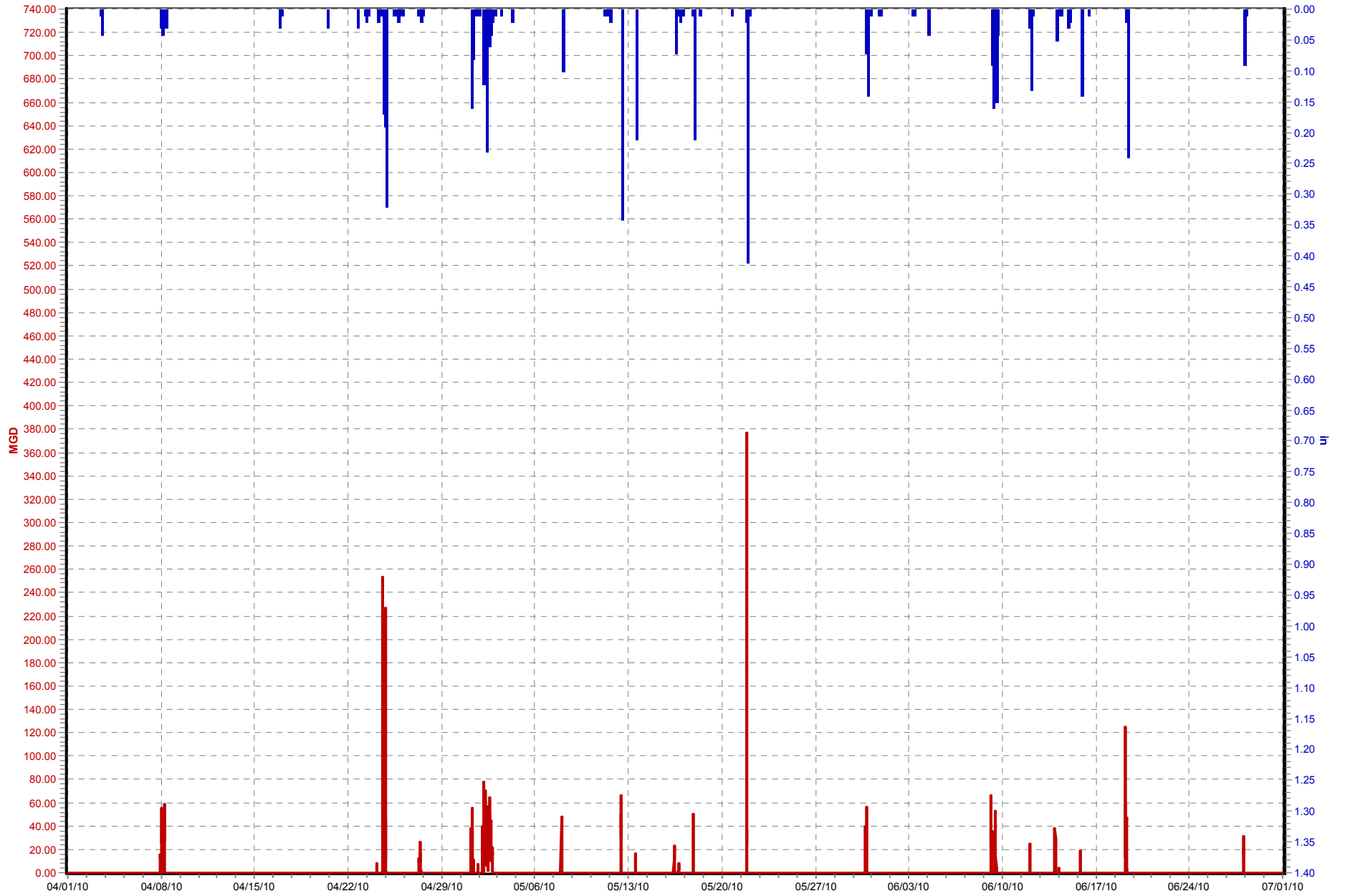
CSO151 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR12\_Historical Data.Rain (in)



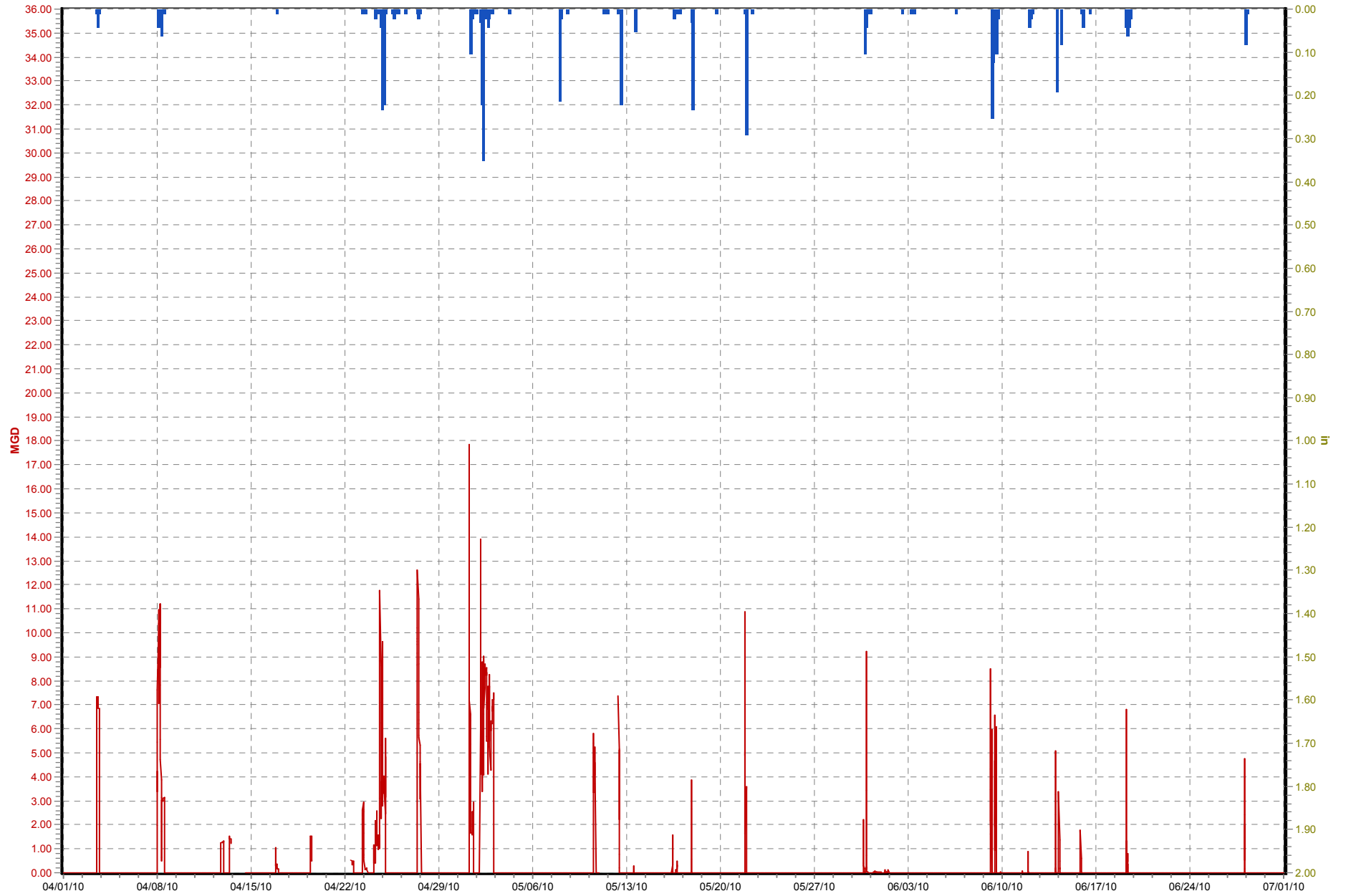
CSO152 (04/01/10 to 07/01/10)

Flow (mgd)  Rain (in)



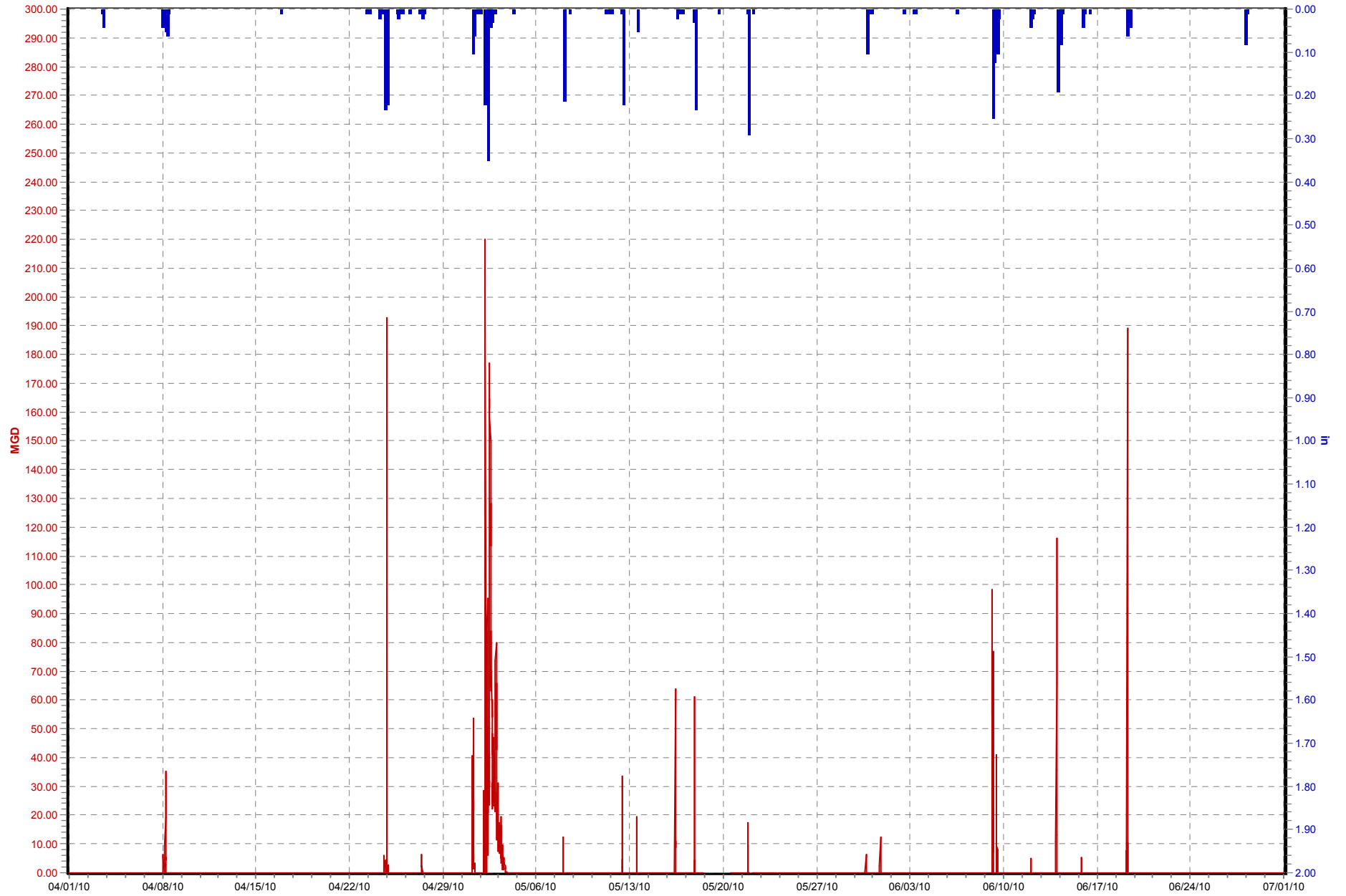
### CSO153 (04/01/10 to 07/01/10)

Flow 1 (MGD)     Flow\_Historic (MGD)     TR05\_Historical Data.Rain (in)



### CSO166 (04/01/10 to 07/01/10)

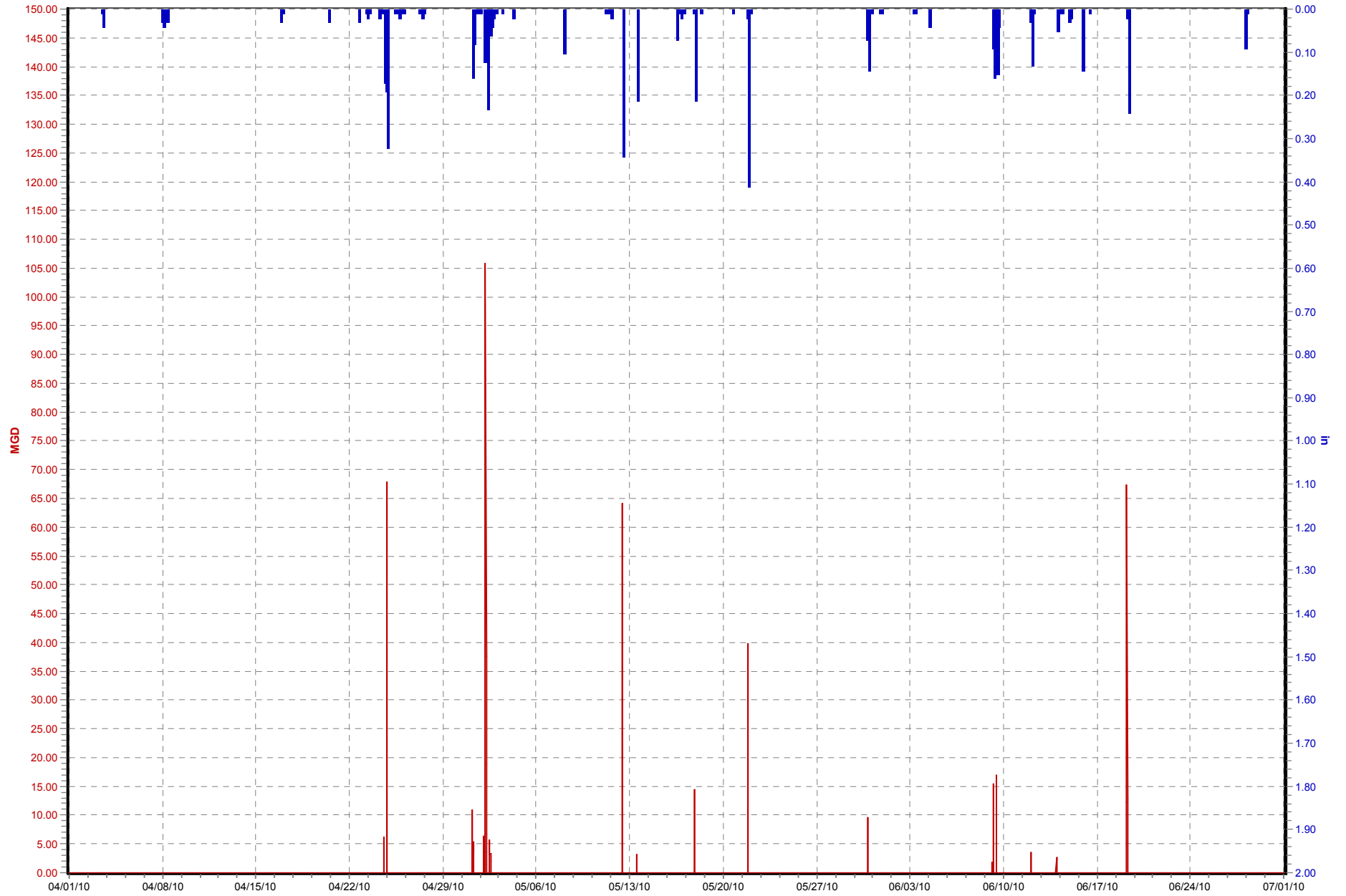
Flow 1 (MGD)  TR05\_Historical Data.Rain (in)





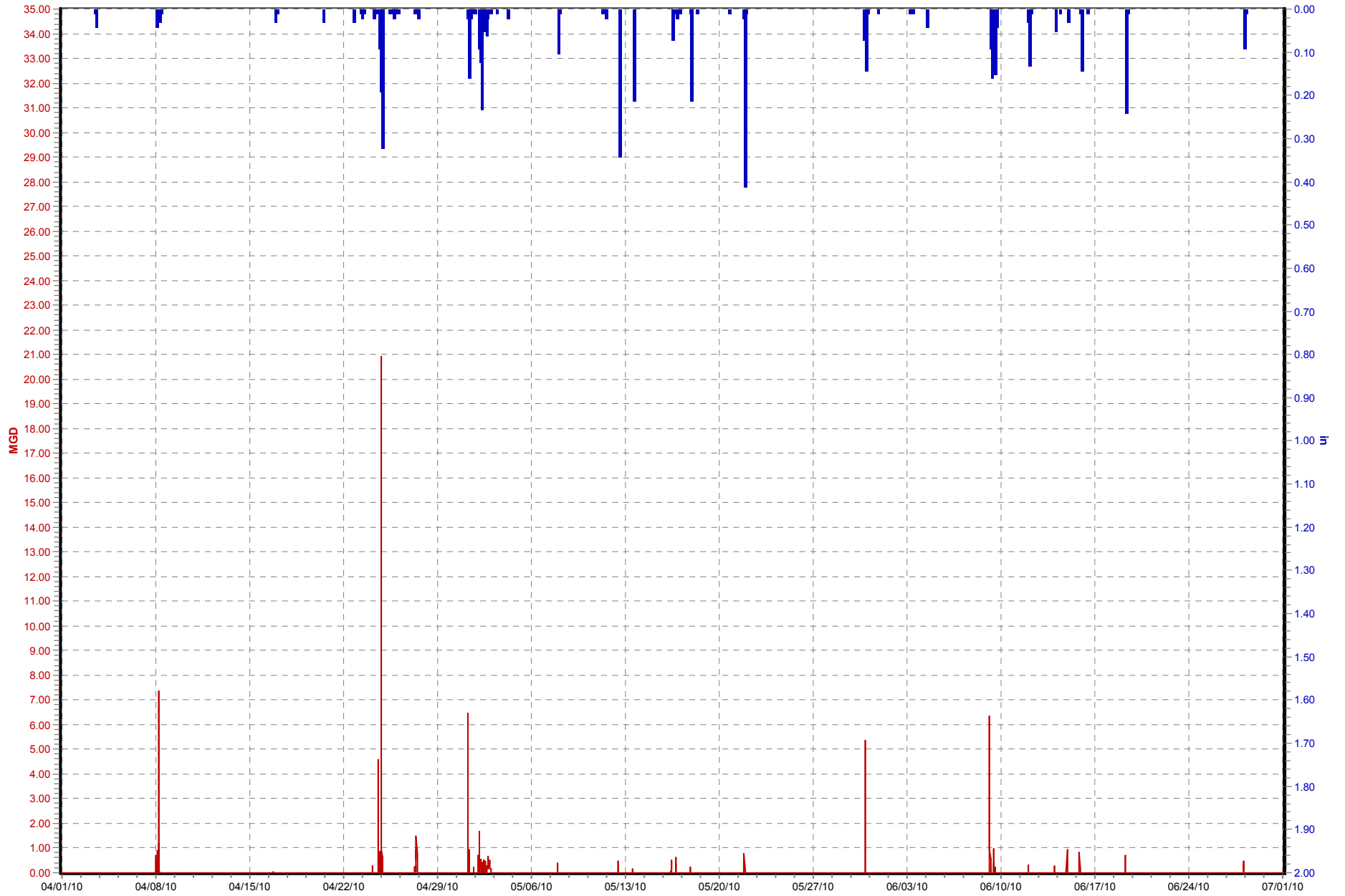
CSO174 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR12\_Historical Data.Rain (in)



### CSO182 (04/01/10 to 07/01/10)

— Flow 1 (MGD)     TR12\_Historical Data.Rain (in)



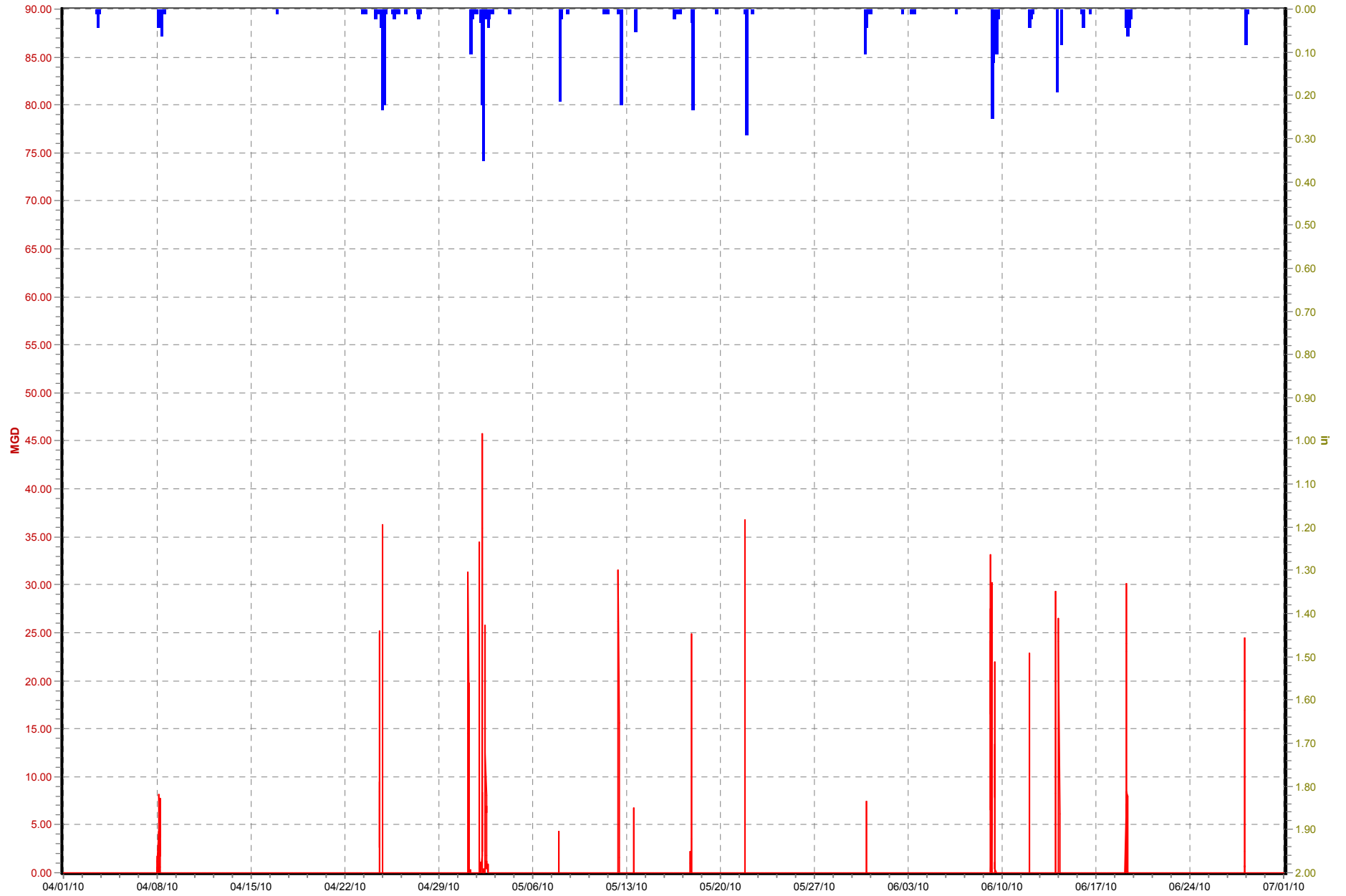
CSO189 (04/01/10 to 07/01/10)

Flow 1 (MGD)  TR04\_Historical Data.Rain (in)



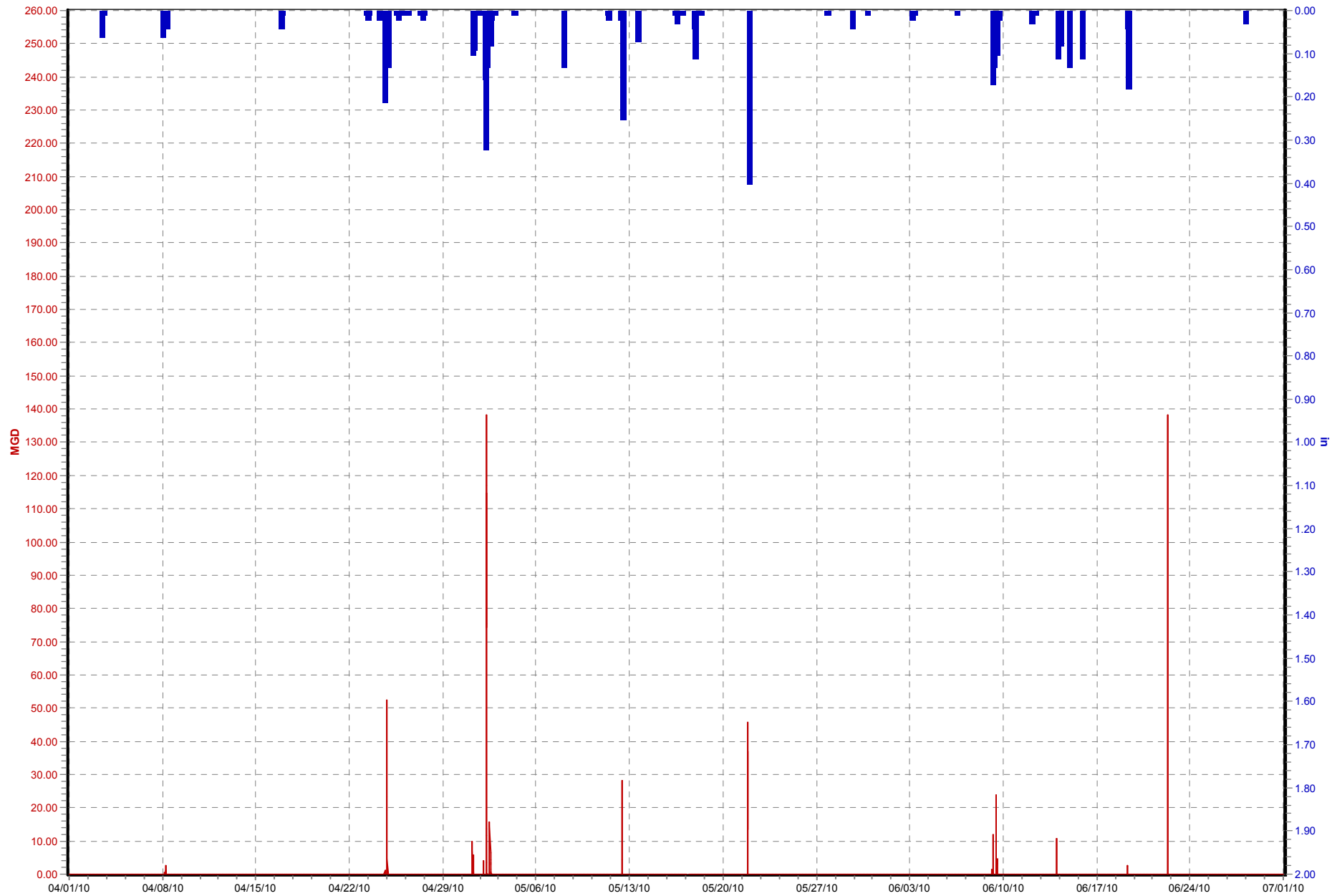
CSO190 (04/01/10 to 07/01/10)

Flow 1 (MGD)  Flow\_Historic (MGD)  TR05\_Historical Data.Rain (in)



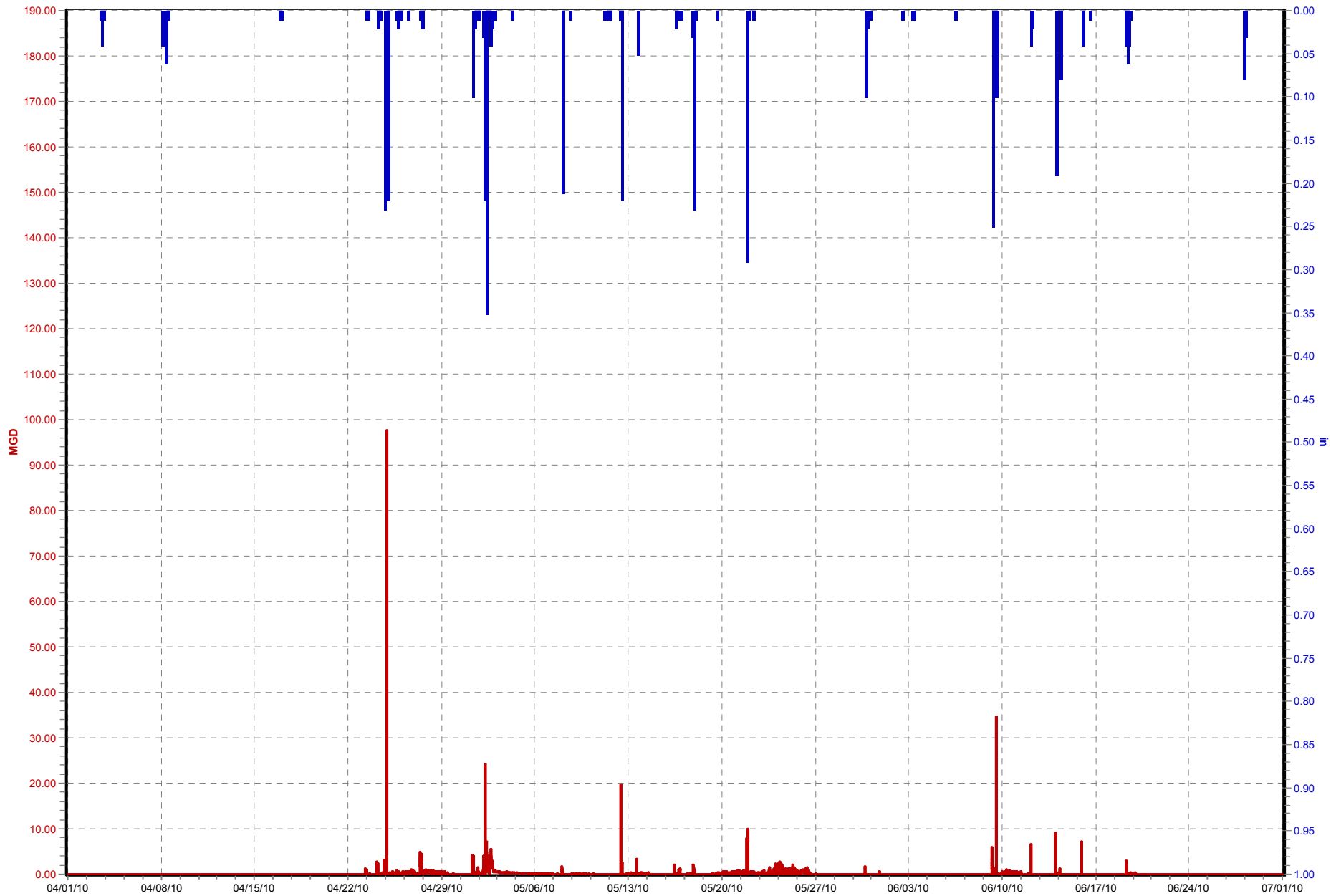
CSO191\_Historical Data (04/01/10 to 07/01/10)

Flow (MGD)  TR04\_Historical Data.Rain (in)



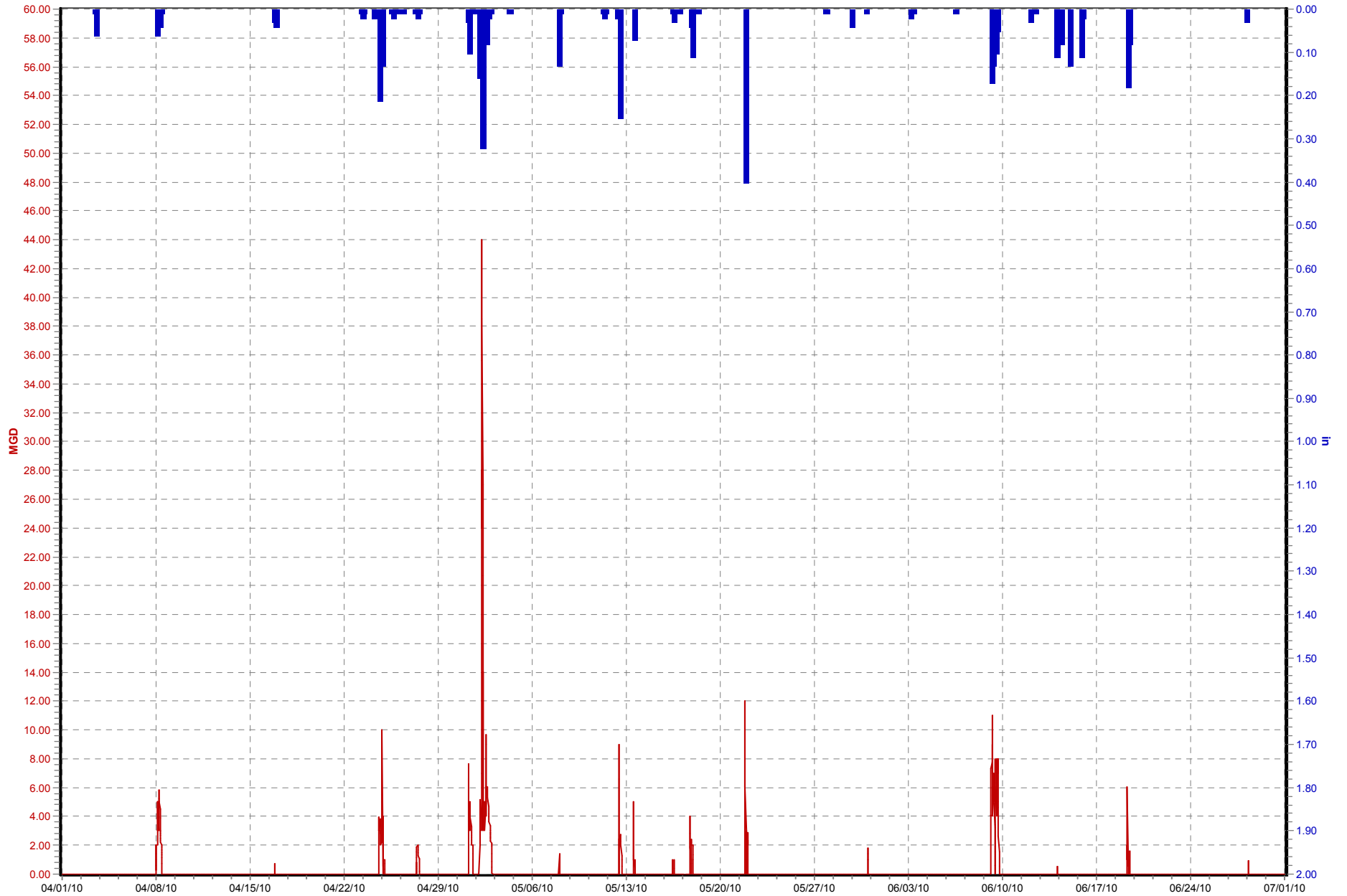
CSO206\_Historical Data (04/01/10 to 07/01/10)

Flow (MGD)  TR05\_Historical Data.Rain (in)



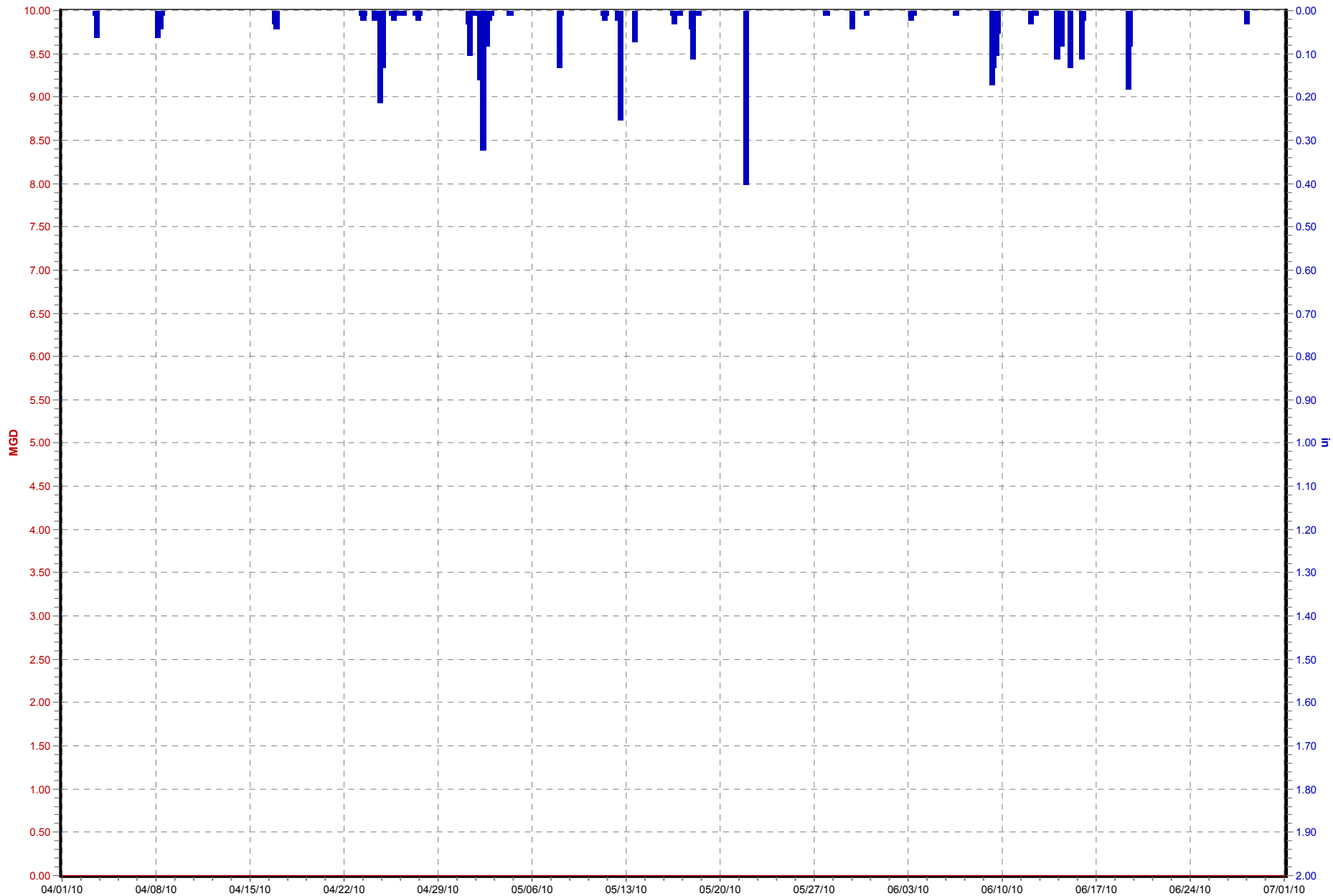
### CSO210\_Historical Data (04/01/10 to 07/01/10)

Flow (MGD)  TR04\_Historical Data.Rain (in)



CSO211\_Historical Data (04/01/10 to 07/01/10)

CSO211 (MGD)  TR04\_Historical Data.Rain (in)







**DATE:** July 21, 2010  
**TO:** EPA & KDOW  
**FROM:** Justin Gray, MSD  
**SUBJECT:** Quarterly CSO Volumes for Sneads Branch Relief and CSO022 & 023

In the 2<sup>nd</sup> quarter of the 2010, MSD worked to model the 1<sup>st</sup> quarter overflow volumes for the above referenced CSOs, as the CSO system configuration are not conducive to direct flow monitoring. The following memorandum describes the approach and overflow volume results.

A zero discharge was calculated for Sneads Branch during the 1<sup>st</sup> quarter and 1.97 MG of discharge for CSO022 and 023 during this period.

In future quarterly reports, the modeled overflow volumes for that quarter will be included as charts along with the directly measured information.

jtg/Sneads Branch & CSO022&23 Modeled Overflow Volumes.doc

cc: file



**TO:** Justin Gray, MSD **cc:** Project File  
**FROM:** O'Brien & Gere  
**RE:** CSS model 2010 Quarterly simulation  
**FILE:** 45676.005.001  
**DATE:** July 13, 2010

O'Brien & Gere completed the model simulation using radar rainfall data provided by MSD for the period of January 1, 2010 through March 31, 2010. The purpose of this simulation was to estimate the overflows from the Sneads Branch Relief Sewer Outfall (SBR) and overflows from the 4<sup>th</sup> Street PS CSOs (CSO022 and CSO023). Below is a summary of model inputs and results.

**Model Assumptions/Inputs:**

1. Applied RTC Phase 1 & 2 rules to the existing network for simulation.
2. No backwater condition from receiving streams was assumed.
3. Radar Rainfall Data (Provided by MSD)
  - a. Raw data converted to intensity from the absolute depth at 5-minute interval
  - b. Total depth of rainfall per pixel ranged from 7.12 inches to 6.09 inches.
4. Inflow Hydrographs (Provided by Heritage Engineering)
  - a. 15-minute interval inflow data was provided at the following locations:
    - i. Northern Ditch PS
    - ii. BGI (upstream of Peabody)
    - iii. BGIR (upstream of Peabody)
    - iv. Middle Fork Interceptor
    - v. Mockingbird Valley
    - vi. Mellwood Ave.
    - vii. ORFM

**Model Results:**

CSS model predicted that the total overflow volume from 4<sup>th</sup> Street PS CSOs to be 1.97 MG from the 2/5/2010 overflow event. See Figure 1.

For the SBR, model predicted zero discharge to the Beargrass Creek. The model indicated that the inflatable dam, as coded in the model, prevented 7 overflow events and 7.7 MG in combined sewer overflows to the South Fork of Beargrass Creek. See Figure 2 and Figure 3. The maximum depth in the sewer upstream of the inflatable dam is approximately 8.5 ft. See Figure 4.

JUSTIN GRAY, MSD  
 JULY 14, 2010  
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Figure 1. Overflow Hydrograph from CSO022/CSO023 Outfall pipe

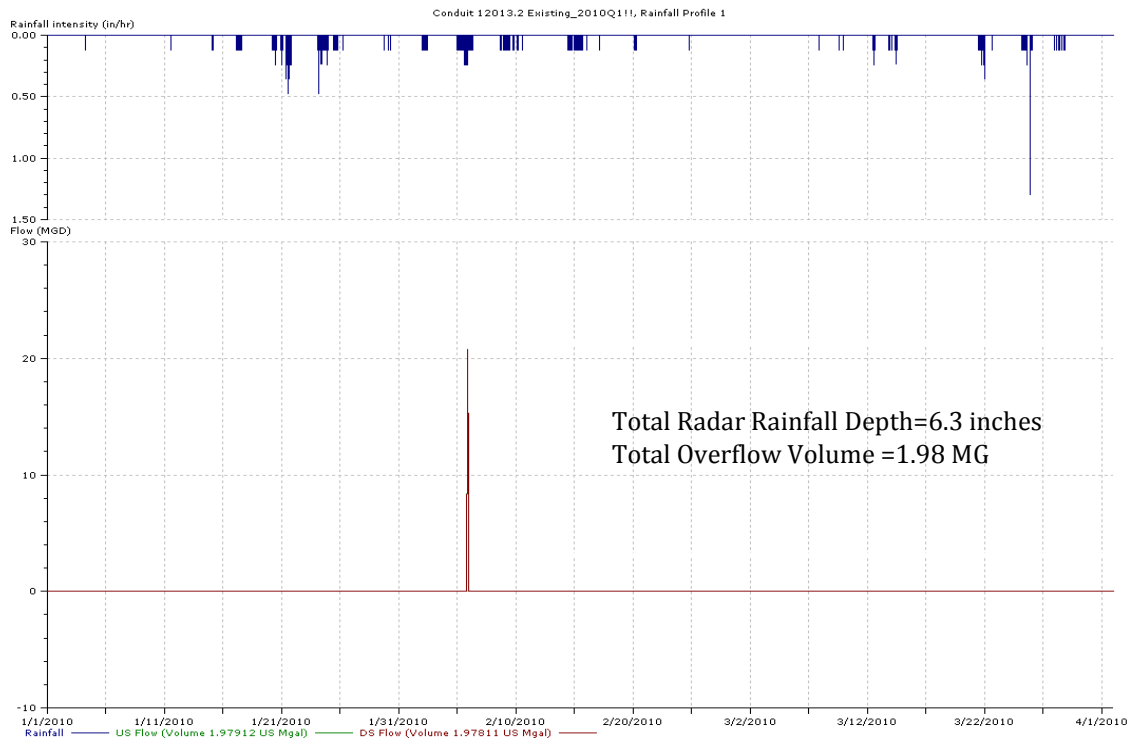
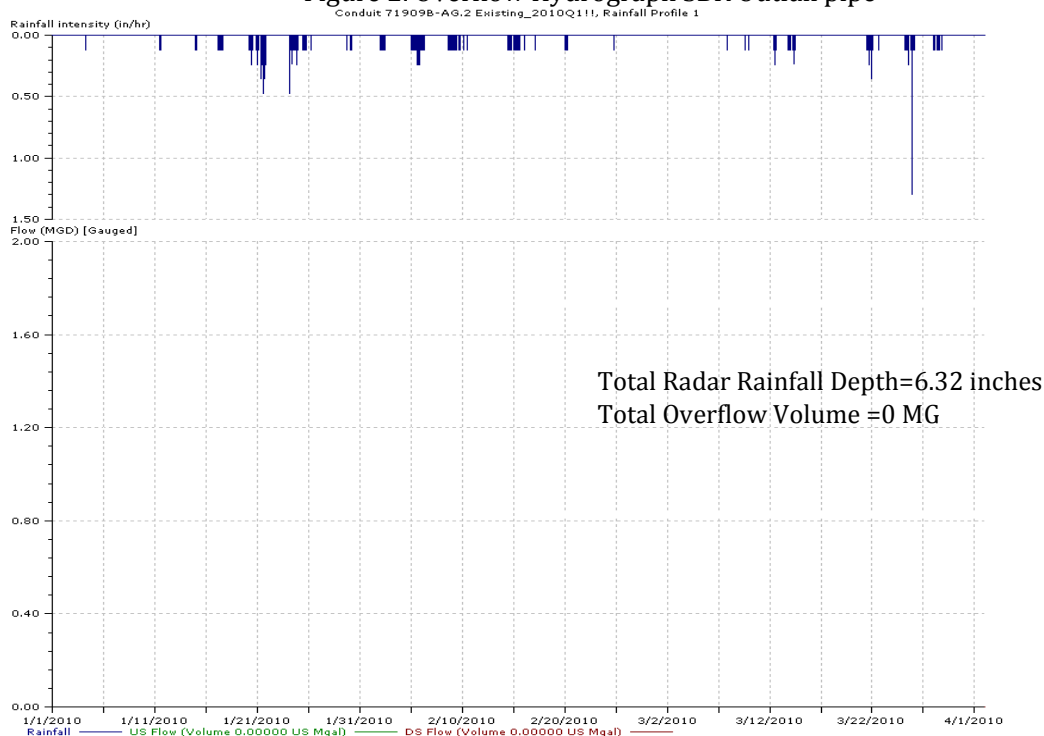


Figure 2. Overflow Hydrograph SBR Outfall pipe



JUSTIN GRAY, MSD  
 JULY 14, 2010  
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Figure 3. Pump Back Hydrograph upstream of inflatable dam @ SBR

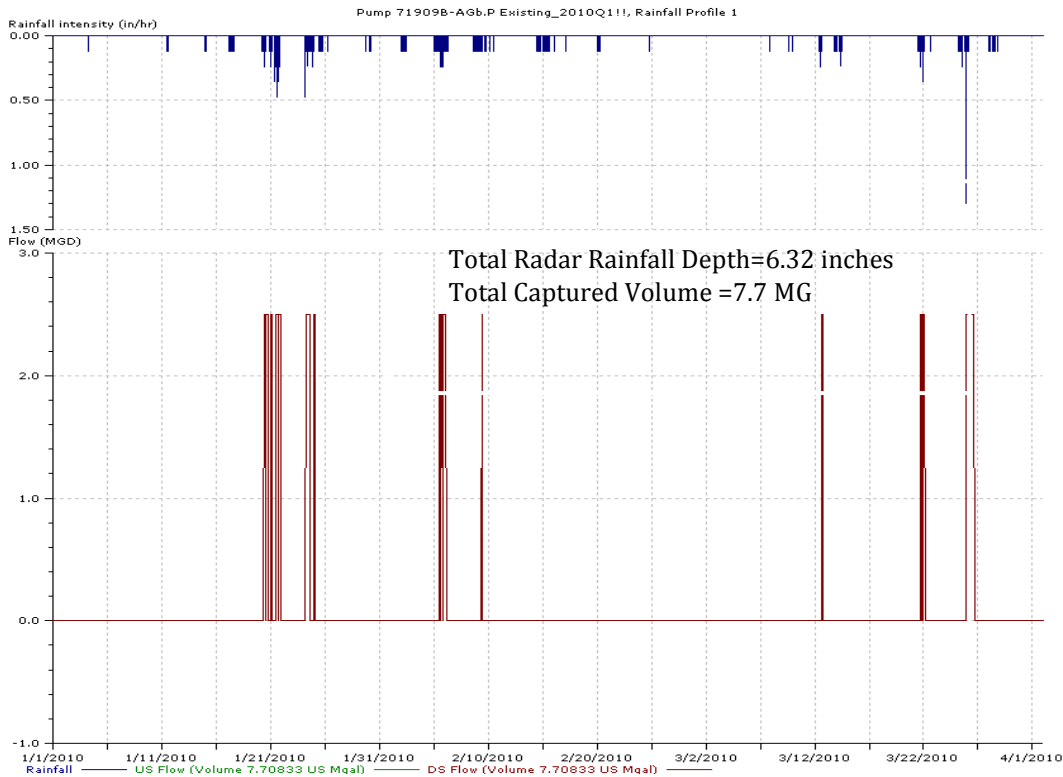
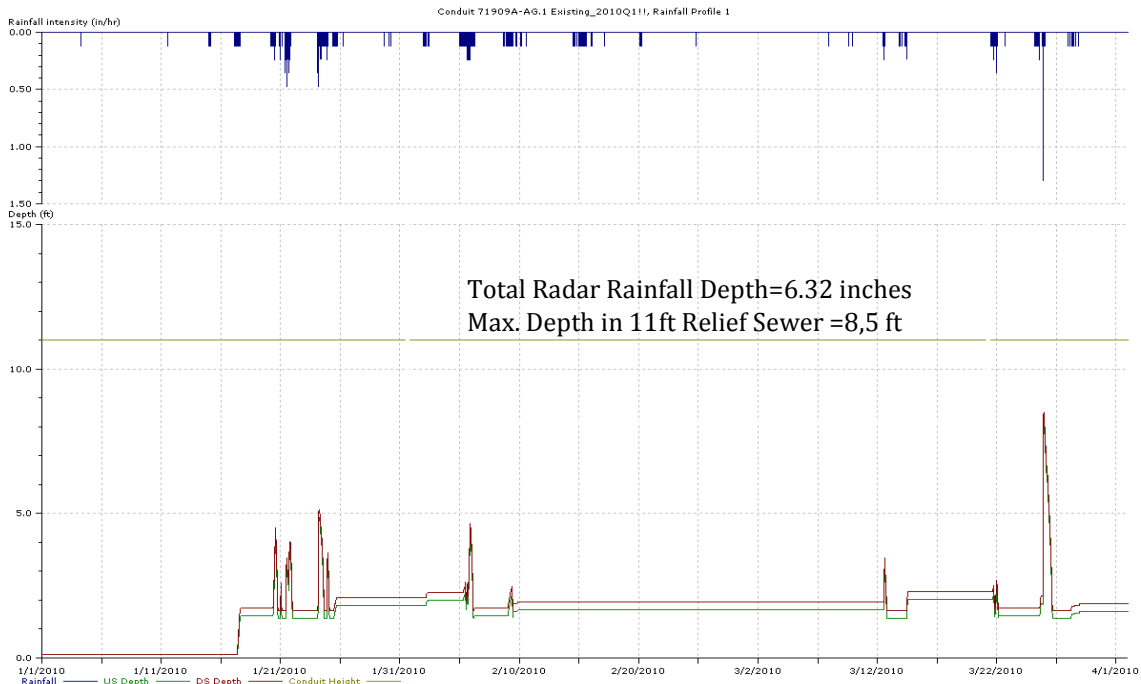


Figure 4. Level Graph upstream of inflatable dam @ SBR



**TO:** Justin Gray, MSD **cc:** Project File  
**FROM:** O'Brien & Gere  
**RE:** CSS model 2010 Quarterly simulation  
**FILE:** 45676.005.001  
**DATE:** July 13, 2010

O'Brien & Gere completed the model simulation using radar rainfall data provided by MSD for the period of January 1, 2010 through March 31, 2010. The purpose of this simulation was to estimate the overflows from the Sneads Branch Relief Sewer Outfall (SBR) and overflows from the 4<sup>th</sup> Street PS CSOs (CSO022 and CSO023). Below is a summary of model inputs and results.

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Figure 1. Overflow Hydrograph from CSO022/CSO023 Outfall pipe

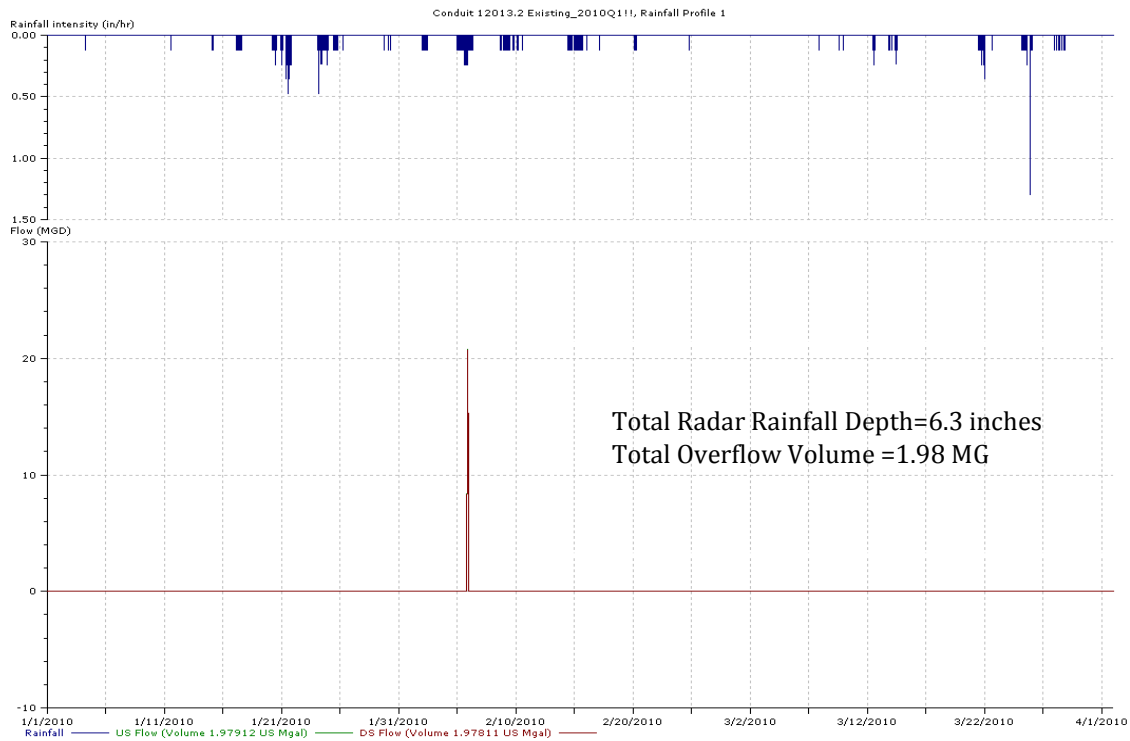
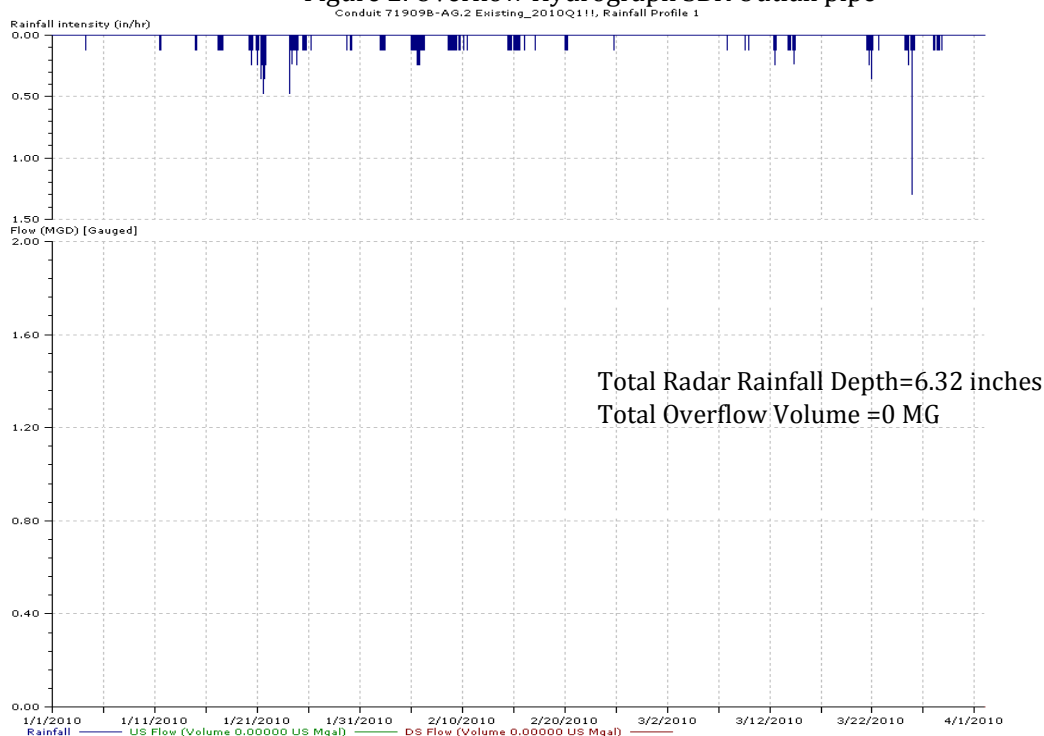


Figure 2. Overflow Hydrograph SBR Outfall pipe



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Figure 3. Pump Back Hydrograph upstream of inflatable dam @ SBR

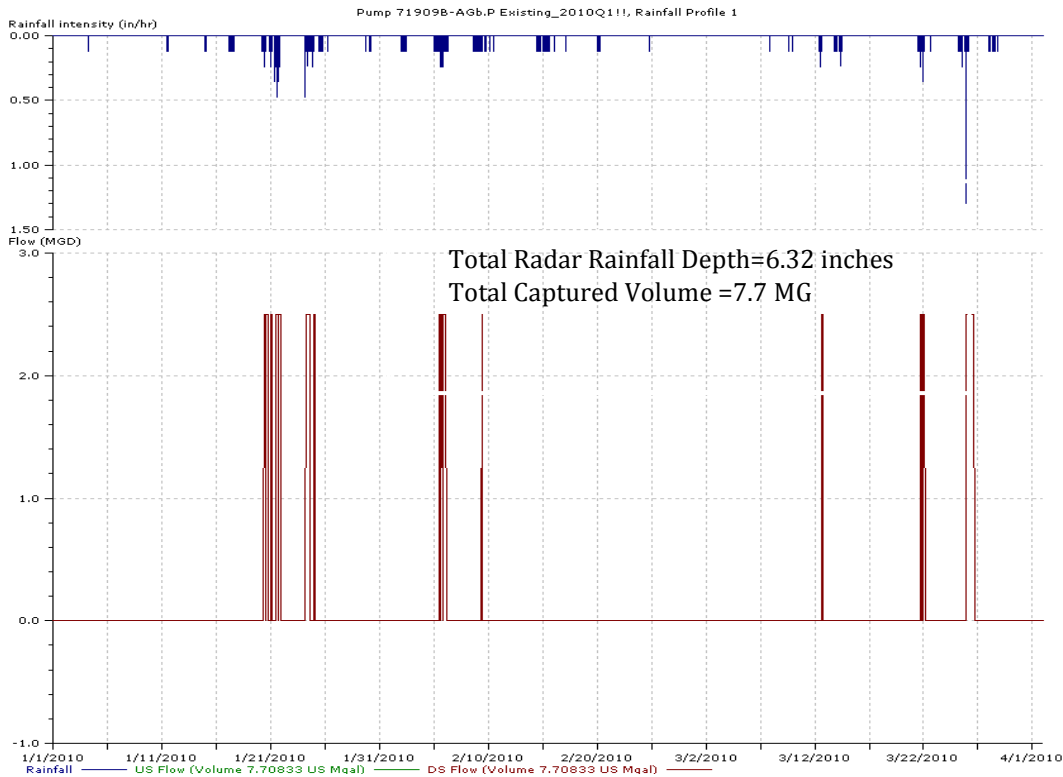
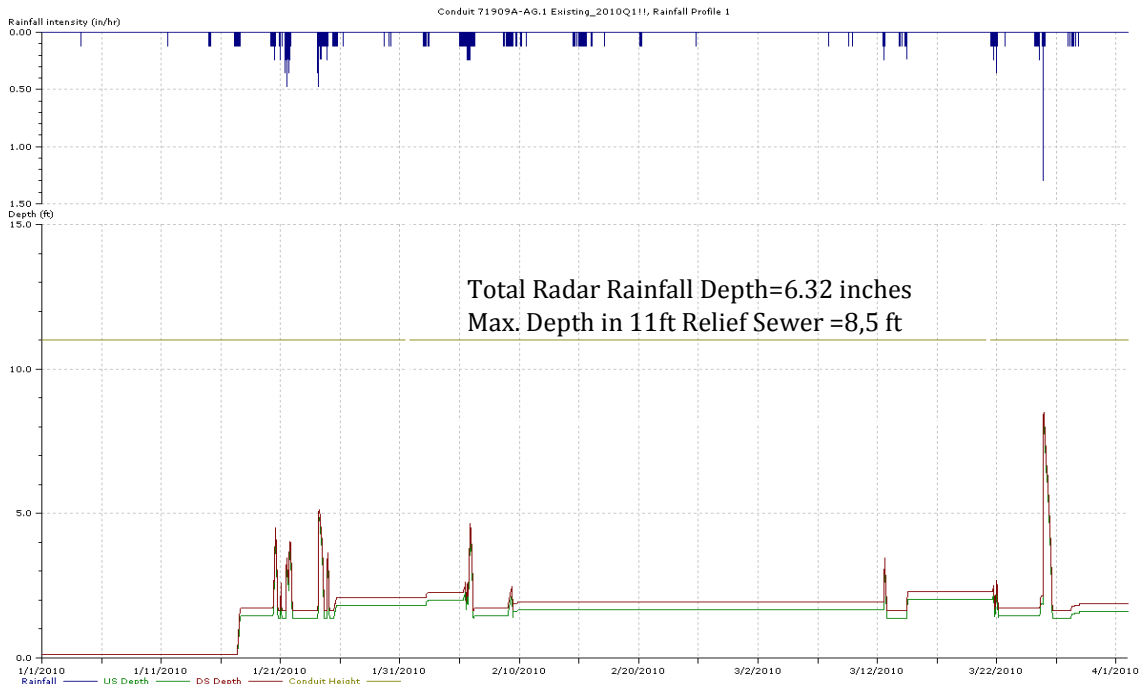
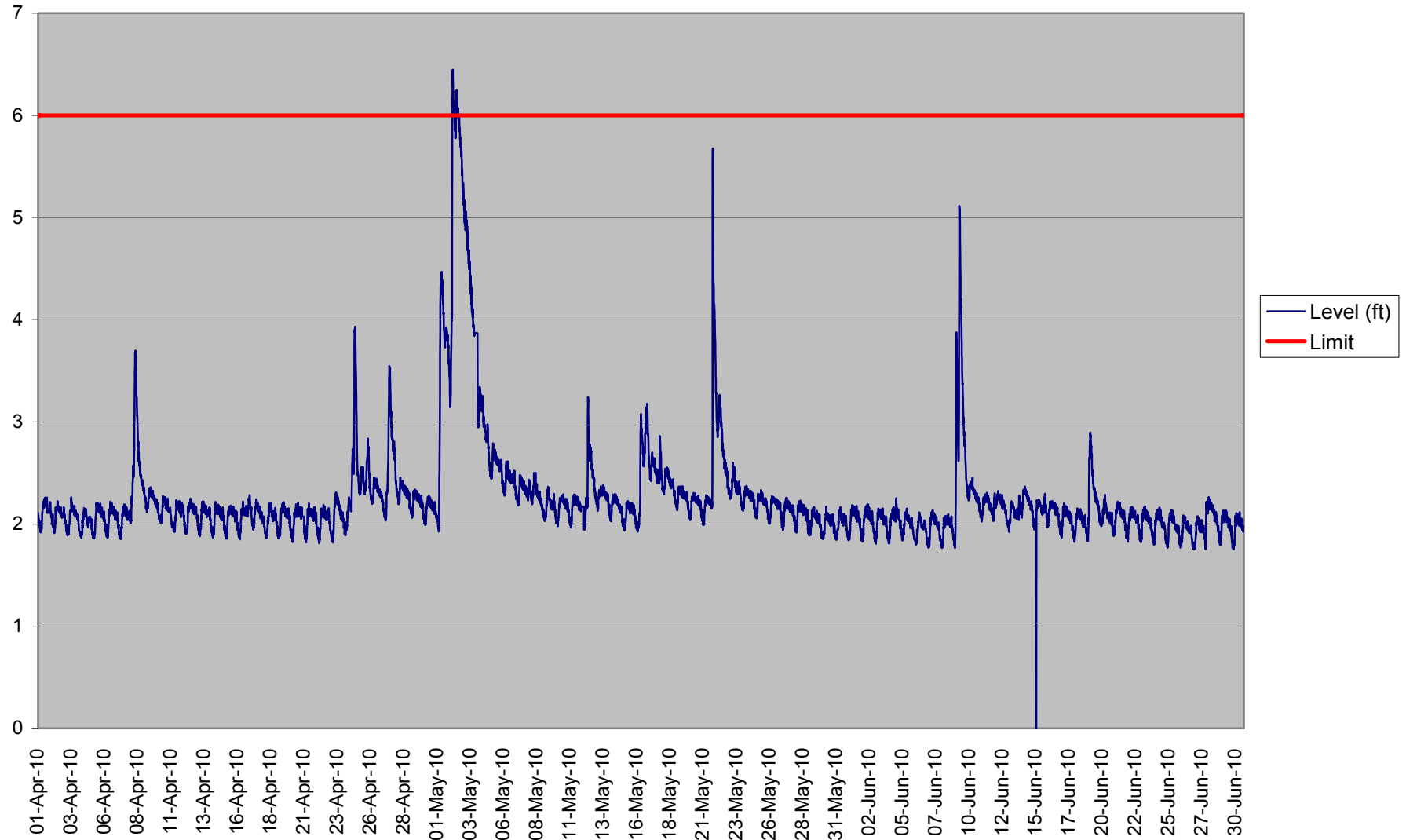


Figure 4. Level Graph upstream of inflatable dam @ SBR



### Jeffersontown Siphon Level 4/1/2010 to 7/1/2010





Appendix E – Acronyms

## Appendix E - Acronyms for Project WIN Quarterly Report

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

## Appendix E - Acronyms for Project WIN Quarterly Report

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

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

|     |                  |
|-----|------------------|
| 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 : | 4/1/10  |
| To :   | 6/30/10 |

| Event Number | Wet Weather Event |               |          | Rainfall              |           |            | Wet Weather Storage Volume (MG) |       |                                      |                  |                        |               |       | High River Levels |
|--------------|-------------------|---------------|----------|-----------------------|-----------|------------|---------------------------------|-------|--------------------------------------|------------------|------------------------|---------------|-------|-------------------|
|              | Start Date        | End Date      | Duration | Average*<br>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 |                                 |       |                                      |                  |                        |               |       |                   |
| 2010-019     | 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                |
| 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                |

| 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 |                                 |               |                                      |                  |                        |               |               |                   |
| 2010-041     | 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                |
| 2010-047     | 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                |
| <b>Total</b> |                   |               |          |                    |           |            | <b>175.40</b>                   | <b>126.05</b> | <b>26.55</b>                         | <b>30.10</b>     | <b>34.70</b>           | <b>2.35</b>   | <b>395.15</b> |                   |

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

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

Appendix G – Phosphorus Data



## 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 |             |                           | <b>0.54</b> | 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 |             |                           | <b>0.77</b> | 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 |             |                           | <b>0.89</b> | 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           | <b>0.96</b> | 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           | <b>0.29</b> | 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           | <b>0.16</b> | 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 |             |                           | <b>0.26</b> | 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 |             |                           | <b>0.51</b> | 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 |             |                           | <b>0.29</b> | 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 |
|-----------------|-------------|---------------------------|-------------|------|------------|
| 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 |             |                           | <b>0.36</b> | 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 |             |                           | <b>0.30</b> | 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 |             |                           | <b>0.37</b> | 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 |             |                           | <b>0.47</b> | 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 |             |                           | <b>0.39</b> | 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 |             |                           | <b>0.37</b> | mg/l |            |



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Appendix H – SORP Field Review Report



**DATE:** June 10, 2010  
**TO:** File  
**FROM:** Dan French  
**SUBJECT:** June Rain Event Reconnaissance

## **Background**

MSD has committed to performing random inspections of our SORP implementation, to ensure that all SORP protocols are being followed.

On June 09, 2010 heavy rain moved through the Metro Louisville area. The rain came in several strong cells throughout the day. The storms were not severe, but heavy downpours were associated with the event. As a result some overflows in the system were reported. The rain began at 3:36 AM and ended at 8:46 PM according to the Rain Event Tracker on the MSD Intranet. Based on the average of telemetered rain gages around the county, Louisville experienced approximately 1.5 inches of rain.

## **Observations**

Throughout the morning and afternoon, fifteen known and suspected overflow locations were randomly inspected to ensure our compliance with SORP. The sites inspected were a combination of manholes included in rain event routes and pump stations with associated overflows. The following locations were visited and evaluated:



**Overflow at Southeastern Diversion – slight stream discoloration**

- Mellwood PS
- Muddy Fork PS
- Round Ridge Road Manhole
- West Goose Creek PS
- Derrington Court PS
- Devondale PS
- Goose Creek PS
- Old Westport Road Manholes
- Jeffersontown Siphon
- Watterson Trail Manholes
- Grassland Manholes
- Pruitt Court Manholes
- South Eastern Diversion Structure
- Middle Fork at Breckinridge Manhole
- Oxmoor MH's

June 10, 2010  
June Rain Event Reconnaissance  
Page 2

No problems or overflows were identified at thirteen of the fifteen locations.

- An overflow was observed at the Southeast Diversion Structure. Inspection staff was already aware of this overflow and the appropriate documentation was underway.
- Small bubbles were observed around manhole 08429 along Pruitt Court. Inspection staff was aware of this site and they continued to monitor this location throughout the event.

It was observed that temporary signs and control zone materials were still posted at the following locations from a previous rain event.

- Mellwood PS – Temporary Sign
- Manhole 28173 upstream of the Jeffersontown Siphon – Temporary Signs, Caution Tape

MSD personnel were notified to clean and restore these locations.

### **Programmatic Recommendations**

- Timely completion of clean up and control zone removal will be discussed in the next quarterly SORP training.
- Quarterly random rain event site reconnaissance to ensure SORP is adequately implemented.



Control Zone Materials – Manhole 28173





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Appendix I – Public Education and Outreach Materials





**Consent Decree Quarterly Report #19**  
**April 1, 2010 – June 30, 2010**

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Appendix I – Public Education and Outreach Materials – Courier Journal Insert – April 18, 2010

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July 30, 2010



# It's Not As Pretty As It Looks...



When it rains, bacteria from sewage overflows, pet waste, pollutants from lawn treatment, oil and grease from automobiles, and litter gets washed into our waterways. Pollutant levels often don't drop for several days after the rain stops.

## During and for 48 hours after rain storms have ended, you should:

- **Minimize contact with waterways and avoid swimming, fishing and wading in water.**
- **Wash your hands thoroughly with warm soapy water if contact is made with water bodies.**
- **Recognize and follow instructions on MSD warning signs.**



To Learn More Information About How To Help Keep Our Waterways Clean, Visit [www.msdlouky.org/projectwin](http://www.msdlouky.org/projectwin)

# Be a part of a **WIN**ning team and help keep our waterways **clean!**

## To minimize sewer overflows and back-ups follow these simple tips:

- Can the grease! Scrape and wipe off all foods containing grease and dispose of in the trash.
- Never pour grease down sinks or toilets.
- Use sink strainers to catch loose food debris and discard in the trash.
- Never pour oil down your outside storm sewer or catch basins.





**Consent Decree Quarterly Report #19**  
**April 1, 2010 – June 30, 2010**

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Appendix I – Public Education and Outreach Materials – Courier Journal Insert – June 20, 2010

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July 30, 2010



# POOL Manners

M a t t e r !

"Someone must have drained their swimming pool to the creek again."



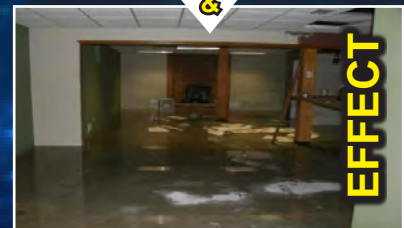
&



Hot pool water full of chemicals will kill fish if drained to a stream or drainage channel.



&



Draining your pool to the sewer too fast will cause **YOUR** basement to backup.

## Mind Your Pool MANNERS... When You Drain Your Pool!

- Do not drain your pool during or up to 48 hours after a rain storm.
- Ensure the pH level is between 6 and 8.
- Allow chlorine to drop below 0.5 ppm.
- Drain pool to a grassy area on your property and allow the water to soak into the ground.
- Drain in-ground pool to the sanitary sewer at a maximum flow rate of 30 gallons per minute.

BE  
PART OF THE  
**SOLUTION,**  
NOT PART OF THE  
**PROBLEM!**



For additional information visit us at [www.msdlouky.org](http://www.msdlouky.org) or call us at 502-587-0603



# SCOOP THE POOP!

Be  
Part Of The  
Solution, Not  
Part Of The  
Problem

Scoop your pet's waste no matter where you are:

- Neighborhood Parks
- Sidewalks
- Your Yard

Waste left on the ground is carried to local waterways when it rains.

**Kids play in these same waterways.**

Do your part to keep our waterways clean and

**"SCOOP THE POOP!"**



"Don't do it for me,  
Do it for the kids!"



RUFUS





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Appendix I – Public Education and Outreach Materials – Letter to Residents within 500' of Beargrass Creek







*Louisville and Jefferson County Metropolitan Sewer District  
700 West Liberty Street  
Louisville Kentucky 40203-1911  
502-540-6000  
[www.msdlouky.org](http://www.msdlouky.org)*

April 30, 2010

Dear Louisville Metro Resident:

MSD is committed to providing clean, safe waterways to be used by the community for recreational purposes and also to be a home for thriving populations of fish and wildlife. As part of this commitment, we are continuing with the 19-year comprehensive sewer improvement program - Project WIN (Waterway Improvements Now) which will continue through 2024. This program is designed to significantly reduce major sources of water pollution by reducing the overloading of sewers from excessive rainwater, thereby mitigating combined and sanitary sewer overflows throughout Louisville Metro.

As a resident living or working near the Ohio River or one of the three forks of Beargrass Creek, your neighborhood is particularly susceptible to sewer overflows during rainstorms. Included with this letter, MSD is providing you with some important information to aid you in minimizing the potential risks of contact with these waterways. There is also information about how you can assist with reducing sewer overflows within your neighborhood.

We look forward to working with you in our continuing efforts to improve the quality of our waterways and improving the livability of the community. Together we can protect and enhance Louisville Metro's waterways to ensure they are clean, safe and enjoyable for generations to come.

Please call us at (502) 587-0603, or visit us online at [www.msdlouky.org/projectwin](http://www.msdlouky.org/projectwin) to learn more about Project WIN and how you can become part of the WINning team!

Sincerely,

H. J. Schardein, Jr.  
MSD Executive Director



*Beneficial Use of Louisville's Biosolids  
[www.louisvillegreen.com](http://www.louisvillegreen.com)*



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Appendix J – CSO108 CDS Efficacy Report





## **INTRODUCTION**

The Louisville and Jefferson County Metropolitan Sewer District (MSD) has entered into a Memorandum of Understanding (MOU) with the Kentucky State Nature Preserve Commission (Commission). The MOU was signed by MSD on July 30, 2008, and by the Commission on September 17, 2008. This MOU is effective for the period starting September 1, 2008, and ending on September 1, 2018.

This is the fourth Semi-Annual Report submitted in accordance with Paragraph 10 of the MOU. This report covers the time period of January 1, 2010, through June 30, 2010.

This Semi-Annual Report will address only those requirements considered ongoing. The initial Semi-Annual Report, MOU Semi-Annual Report #1, was comprehensive and included a response to each requirement addressed within the MOU. Please refer to the initial Semi-Annual Report should you need additional information not found within this document.

Work and activities undertaken by MSD and relating to the MOU are outlined in the paragraphs below:

**Paragraph #8 of the MOU:**

During construction, MSD shall implement an Erosion Control Plan. Following completion of construction and installation of the pavers in the access road, MSD shall implement a Site Remediation Plan, sowing the disturbed areas with wild rye grass. Following construction of the Real Time Control Phase 2 project, MSD will replace the 7-inch dbh sycamore that will be destroyed by the pipe installation with four (4) of the largest container tree stock available (no less than 1.75 inches) at the time of restoration, using a mix of similar sized white, shumard, and chinquapin oak trees at the point designated on the map in Exhibit A. MSD shall monitor and maintain the tree for the first two (2) years to ensure establishment and shall replace any of the tree trees that do not survive the two years.

- MSD Response: An EPSC plan was included within the construction plans. MSD's inspector insured that the contractor implemented the EPSC measures prior to any land disturbing activity.

The installation of the pavers along the access road was completed December 12, 2008, and the site remediation plan was approved by the Commission on March 13, 2009. MSD contracted with Dropseed, a native plant nursery, to seed the disturbed area with River Oats (*Chasmanthium latiforium*). This work was completed May 20, 2009.



**Picture 1: Pavers and Foliage** (dated 06/08/2010)

MSD ordered three 1 gallon White Oaks in the Fall of 2008, with the intent to plant these trees in the Spring of 2009, to coincide with seeding of the disturbed site. Unfortunately all three of the White Oaks died during the winter. In an effort to replace the White Oaks



**Picture 2: Foliage Adjacent to CDS Unit**  
(dated 06/08/2010)

that died, nine trees were planted and mulched within the restoration site during November of 2009. The plantings consisted of three White Oaks (*Quercus alba*), three Shingle Oaks (*Quercus imbricaria*) and three Chinquapin Oaks (*Quercus muehlenbergii*). All trees were in 15-gallon pots. MSD monitored the trees during the winter and spring months following the initial planting, and all trees are thriving.

MSD will continue to maintain the trees during the remaining 18 months of the monitoring period.

### **Paragraph #10 of the MOU:**

MSD shall be diligent of this ten year period in more timely supplying the Commission with semi-annual reports on the efficacy of the CDS unit, water quality monitoring data, and any other such pertinent information. Said reports shall be provided to the Commission by June 30 and December 31 of each year.

- MSD Response: This document is the fourth semi-annual report to the Commission since the completion of the Project.

The CSO 108 CDS Unit is inspected weekly and cleaned on an as-needed basis. Between the dates of January 1, 2010, and June 15, 2010, MSD cleaned the CDS Unit

three times – once performing solids and floatables cleaning and twice cleaning the rack bars. Approximately 0.25 cubic yards of debris was hauled from the site during the solids and floatables cleaning. When the rack bars are cleaned, the debris is washed into the sewer and treated at the Morris Forman Water Quality Treatment Center.

The Crystal Report showing the work performed at the CSO 108 CDS Unit is shown in Attachment A. The report is generated from work orders initiated whenever the CDS Unit needs to be cleaned. Cleaning consists of either washing debris off of the bar racks or hauling the solids and floatables from the site. Both operations result in removing debris that would otherwise overflow into Beargrass Creek. The Quantity column within the report show the cubic yards of debris removed during each cleaning activity.

### Paragraph #11 of the MOU:

If (1) MSD does not comply strictly with their terms of this MOU, (2) the CDS unit does not provide solids and floatable materials removal of at least 85% of the annual average overflow for CSO 108, or (3) all debris from the CDS unit is not removed from the Beargrass Creek State Nature Preserve immediately after the CDS unit is cleaned, MSD shall, within six (6) months after the receipt of written notice of removal from the Commission, remove the CDS unit from the Preserve and restore the service area by planting native herbaceous and woody plant species chosen by the Commission as suitable for the site's remediation. The CDS unit shall



**Picture 3: Growth of River Oats** (dated 06/08/2010)

not operate past the expiration date of this Agreement, unless both parties enter into a subsequent Agreement which permits the Project to remain on Preserve property. In the event a subsequent Agreement is not reached, MSD shall have a reasonable period of time to remove the CDS unit from the Preserve.

- MSD Response:

(1) No Action Required

(2) The Continuous Deflective Separation (CDS) system was placed along the Trevillian Way Twin Trunk Sewer to capture solids and floatables from a 485 acre drainage area. The unit uses a vortex action created by the hydraulic energy of incoming flow to separate solids and floatable from the flow. The treated flow is then discharged through the outlet pipe to Beargrass Creek. To insure that the CDS Unit functions properly and removes 85% of the solids and floatables that pass through the system, MSD inspects the facility weekly.

(3) The CSO 108 CDS Unit is inspected weekly and cleaned on an as-needed basis. The Crystal Report showing the work performed at the CSO 108 CDS Unit is shown in Attachment A and described in detail in **Paragraph #10** above.

### ATTACHMENT "A": CSO 108 CDS Unit Debris Removal

| <u>ACTCO</u> | <u>UNITID</u> | <u>FAILCODE</u> | <u>WONO</u> | <u>QTY</u>  | <u>COMMENTS</u>   | <u>COMPDTM</u>     |
|--------------|---------------|-----------------|-------------|-------------|---|--------------------|
| Debris       | CSO 108       | Rack            | 1050122     | 0.00        | Cleaned heavy debris off Rack Bars  | 4/5/10 12:40:00 pm |
| Debris       | CSO 108       | S & F           | 1056655     | 0.25        | Cleaning CDS Unit as a preventative maintenance measure. Removed 0.25 cubic yards of debris from underlow well. K. Bright | 4/19/10 3:36:00 pm |
| Debris       | CSO 108       | Rack            | 1069239     | 0.00        | Cleaned medium debris from Rack Bars. M. Raley & C. Neal  | 5/10/10 2:30:00 pm |
| <b>Total</b> |               |                 |             | <b>0.25</b> | <b>Cubic Yards</b>  |                    |