

SECTION 1: SIGNIFICANT ACCOMPLISHMENTS

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

The Quarterly Reports have been organized in accordance with Paragraph 25 of the Consent Decree. They overview program elements, issues, and accomplishments relating to Consent Decree compliance activities. The structure for this and future reports is outlined as follows:

- Section 1: Significant Accomplishments – summarizes the high-level milestones achieved during this quarter and other important information.
- Section 2: Current Activities Review – describes the project scope, schedule, and status for past projects and activities that demonstrate the efforts conducted to comply with the Consent Decree.
- Section 3: Performance Overview – an accounting of the current quarter and the cumulative reductions in volume and in number of occurrences of unauthorized discharges from the SSS, CSS, WTPs, and the discharges from MSD's CSO locations identified in the MFWTP KPDES permit.
- Section 4: Planned Activities – describes the anticipated projects and activities that are scheduled to be performed for continued compliance with the Consent Decree.

MSD has continued to provide internal and external training related to the Consent Decree (CD) to employees and consultants. A revised public outreach program aimed at updating the public on the MSD's primary business functions with emphasis on wastewater, stormwater, and flood protection has been presented to more than 140 community groups over the past 22 months. A portion of the presentation includes information related to the CD, including potential program direction and anticipated costs.

The five components of the Early Action Plan listed below were submitted in accordance with the Consent Decree on February 10, 2006:

- Sewer Overflow Response Protocol (SORP): Received comments from EPA and DEP on March 14, 2006, with letter dated March 13, 2006. A conference call was held on April 5, 2006, to discuss and clarify the comments. Based on those discussions and questions related to the interpretation of 401 KAR 5:015 an extension was requested and subsequently approved. A meeting was held in Frankfort on May 9, 2006, to resolve the outstanding issues. The revised SORP, along with supporting information, was re-submitted on May 12, 2006, in accordance with the CD and the extension approval letter. MSD received an approval letter on August 22, 2006. The approved document can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin/.
- CMOM Self-Assessment: Received comments for EPA and DEP on March 30, 2006. A conference call was held on April 12, 2006. The revised CMOM Self-Assessment was re-submitted on May 12, 2006, in accordance with the CD. Additional clarification and correction was made to the Backup Power Analysis submitted as part of the May 12, 2006. MSD received an approval letter on August 22, 2006. The approved document can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin/.

- **Nine Minimum Controls (NMC) Compliance:** Received comments from EPA and DEP on May 5, 2006. MSD discussed comments at a meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006 to continue discussion and receive additional clarification. The revised NMC Compliance Report was submitted on June 3, 2006, in accordance with the Consent Decree. MSD received a disapproval letter on August 22, 2006. MSD resubmitted the revised NMC Compliance Audit on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled conferences calls have been part of the increased communications following the disapproval letter.
- **Interim CSO LTCP Update:** MSD received comments from EPA and DEP on May 5, 2006. MSD discussed comments at a meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006 to continue discussion and receive additional clarification. The revised Interim CSO LTCP Update was submitted on June 3, 2006, in accordance with the Consent Decree. MSD received a disapproval letter on August 22, 2006. MSD resubmitted the revised NMC Compliance Audit on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled conferences calls have been part of the increased communications following the disapproval letter.
- **Updated SSOP:** MSD submitted the Updated SSOP on February 12, 2006, in accordance with the Consent Decree.

The process of organizing a Wet Weather Team (WWT) as outlined in CD Paragraph 22 has continued as comments are received from EPA and DEP regarding the proposed process. An external facilitator has been identified and a list of participants is being finalized.

The CSO 81 Closure Project was completed on September 7, 2006, thereby eliminating potential discharges from the combined sewer system.

The CSO 87 Elimination Project was completed on September 18, 2006, thereby eliminating potential discharges from the combined sewer system.

The Snead's Branch Solids and Floatables Improvements Project was completed on August 30, 2006, thereby increasing the functionality of the solids and floatables capture.

Water Quality warning signs were submitted, approved, and installed in along the streams throughout the Combined Sewer System service area. More than 200 signs were installed along streams and the Ohio River that receive flow from the CSOs, augmenting the existing CSO Identification signs already in place.

MSD implemented the Project Waterways Improvement Now (Project WIN) public outreach and public notification prior to September 30, 2006. Specific activities included: developing and mailing information related to Project WIN and the Consent Decree to each MSD customer account, developing and mailing information to the properties adjacent to Beargrass Creek and the Ohio River for the combined sewer area, development and implementation of the website based information and public notification system, development and use of door hangers, television and radio notifications, and press releases.

SORP related activities included training field and office staff on SORP implementation procedures and for field staff to begin utilizing temporary overflow signs.

More than 70 Solids and Floatables devices were installed as reported in the September 15, 2006 submittal of the NMC Compliance Audit. Detailed information of these installations may be found in the NMC Compliance Audit Appendix.

SECTION 2: CURRENT ACTIVITIES REVIEW

2.1 APPLICATION AND SCOPE (CONSENT DECREE PARAGRAPHS 19 AND 20)

MSD previously completed an in-house training program for existing employees related to the Consent Decree (CD). New employee training has been modified to include information regarding this CD. Copies of the CD are provided to new employees as well as consultants and contractors performing activities related to the CD. Additional training specifically related to the approved SORP is underway and will continue through the end of the calendar year.

MSD began a revised public outreach program approximately 22 months ago and has presented an update of our progress and direction to more than 140 community groups. This presentation covers MSD's primary business functions: wastewater, stormwater, and flood protection. The wastewater portion of the presentation includes information related to the CD, including potential program direction and anticipated costs.

MSD has formally implemented the Project Waterways Improvement Now (Project WIN) to implement the desired and required programs and projects related to this Consent Decree. Additional information may be found at the MSD website www.msdlouky.org, or at the MSD Project WIN website www.msdlouky.org/projectwin/.

2.2 COMPLIANCE PROGRAM AND SCHEDULES (CD PARAGRAPHS 22-24)

2.2.1 Director and Wet Weather Team (CD Paragraph 22)

The process of organizing a Wet Weather Team (WWT) as outlined in CD Paragraph 22 continues. An external facilitator has been identified and the list of participants is being finalized. The first three meetings were held on June 6, 2006, July 20, 2006, and August 15, 2006. The next scheduled meeting is planned for early December, 2006.

2.2.2 Early Action Plan (CD Paragraph 23)

2.2.2.1 Completed Projects – Capital Improvement Project List (CD Paragraph 23(b))

The following projects were completed within the timeframe of this report and have been certified complete under previous transmittal:

- CSO 87 Elimination – The CSO 87 elimination project involves evaluation and downspout disconnection and other system modifications. The areas draining to CSO 87 include 12 residential properties, 8 commercial properties, and 1 industrial property. The combined sewer also conveys runoff from Interstate 64. The evaluation phase concluded and construction included the partial separation of the storm sewer system in the area. CSO 87 was eliminated on September 18, 2006, in accordance with the Consent Decree.
- Real Time Control System, Initial Implementation Phase – The initial implementation phase of Real Time Control (RTC) is estimated to achieve a minimum of 10% reduction of the average annual overflow (AAOV) from the Combined Sewer System (CSS). The RTC software has been configured and installed at the Computer Room at Morris Forman Wastewater Treatment Plant (MFWTP). System modifications complete at the following locations: Southeastern Diversion, Nightingale Pump Station, Southwestern Pump Station Sluice Gate Chamber, Sneads Branch In-line Storage site, and the Upper Dry Run Trunk

System storage basins (Brady Lake and Executive Inn). Testing and verification of the system was completed on August 12, 2006 and the system was placed into operation on that date in accordance with the Consent Decree.

- CSO 81 Closure – The CSO 81 Closure Project involves evaluation and closure of the overflow. CSO 81 was closed on September 7, 2006.

2.2.2.2 Current Projects – Capital Improvement Project List (CD Paragraph 23(b))

The projects listed below are currently in design or construction. Additional information related to the planned activities for these projects is provided in Section 4.

- CSO 147 Elimination – The CSO 147 elimination project will require the disconnection of downspouts within the area. Previous efforts in the area include constructing a new storm sewer in the project area. CSO 147 currently overflows to South Fork Beargrass Creek. The evaluation and design phases continue. Bids have been received on seven of the nine phases of the downspout disconnections. This project will be completed by September 30, 2007, in accordance with the Consent Decree.
- RTC @ CSO 108 – Part of Phase 2 of the Real Time Control program. This project involves improving the connection between the Beargrass Interceptor and the Beargrass Interceptor Relief and automating the control of flow through these systems and therefore Nightingale Pump Station. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- RTC @ Southwestern Outfall SWOR2 – Part of Phase 2 of the Real Time Control program. This project involves the installation of an inflatable dam for storage near the upper end of the Southwestern Outfall. Storage will primarily occur in the Upper Dry Run Trunk and the Mill Creek Trunk. The storage will be integrated into the Global Optimization Real Time Control system. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- Integration of Southwestern Pump Station / Main Diversion Structure / Morris Forman Wastewater Treatment Plant – Part of Phase 2 of the Real Time Control program: This project linking the Southwestern Pump Station, Main Diversion Structure, and the Morris Forman Wastewater Treatment Plant with the Global Optimization Real Time Control system. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- Integration of Wheeler Basin – Part of Phase 2 of the Real Time Control program. This project additional controls to utilize approximately one million gallons of storage in the trunk line that drains the Wheeler Basin. This project will be completed by December 31, 2008, in accordance with the Consent Decree.

2.2.2.3 Nine Minimum Controls (NMC) Compliance (CD Paragraph 23(a))

MSD prepared and submitted a report to document the compliance status and proposed activities in accordance with the "Guidance for Nine Minimum Controls." The report was submitted on February 10, 2006, in accordance with the Consent Decree. MSD received comments from EPA and DEP on May 5, 2006. Significant discussion related to the comments took place at the meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006 to continue discussion and receive additional clarification. The revised NMC Compliance Report was submitted on June 3, 2006, in accordance with the Consent Decree.

EPA and DEP disapproved the June 3, 2006 submittal by letter received on August 22, 2006. MSD resubmitted the revised interim NMC Compliance Audit on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled, generally Wednesday afternoon, conferences calls have been part of the increased communications following the disapproval letter. It is anticipated that conference calls will be scheduled to occur throughout the program planning period.

2.2.2.4 Capacity, Management, Operations, and Maintenance (CMOM) Programs Self-Assessment (CD Paragraph 23(c))

MSD prepared and submitted the self-assessment as outlined in the CD. The CMOM Self-Assessment was submitted on February 10, 2006, in accordance with the Consent Decree. Comments were received from EPA and DEP on March 30, 2006. A conference call was held on April 12, 2006, with EPA and DEP to discuss the comments. MSD submitted the response and revised CMOM Self-Assessment on May 12, 2006 in accordance with the Consent Decree.

MSD received an approval letter on August 22, 2006. MSD continued to work on the program elements included in the CMOM document. The approved document can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin/.

2.2.2.5 Sewer Overflow Response Protocol (SORP) (CD Paragraph 23(d))

MSD prepared and submitted the SORP. The SORP was submitted on February 10, 2006, in accordance with the Consent Decree. MSD received comments from EPA and DEP on March 13, 2006. A conference call was held on April 5, 2006, to discuss the comments. An extension was requested and granted, extending the re-submittal date to May 12, 2006. A meeting was held in Frankfort on May 9, 2006, to resolve the outstanding issues. The revised document was completed, including revised and expanded protocols. Supporting information was included as Supplemental Information as requested to clarify several of the protocols. The revised SORP was submitted on May 12, 2006, in accordance with the Consent Decree and the extension letter.

MSD received an approval letter for the SORP on August 22, 2006. MSD continued implementation of the approved SORP through September and will continue training throughout the year. The approved document can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin/.

2.2.3 Discharge Abatement Plans (CD Paragraph 24)

2.2.3.1 Sanitary Sewer Discharge Plan (CD Paragraph 24(a))

- Updated Sanitary Sewer Overflow Plan (SSOP) (CD Paragraph 24(a)(1)) – MSD prepared and submitted the updated SSOP. This plan includes an overview of the MSD program and efforts taken to reduce/eliminate discharges from the sanitary sewer system. This report includes a list of the proposed improvements to be accomplished by December 31, 2008. The updated SSOP was submitted on February 10, 2006, in accordance with the Consent Decree.
- Interim Sanitary Sewer Discharge Plan (SSDP) (CD Paragraph 24(a)(2)) – MSD has continued to review and analyze options and problems associated with the Hikes Point, Beechwood Village, Highgate Springs Pump Station, and Southeastern Diversion Structure to determine if any of the required or prerequisite projects for these areas could

be included in the updated SSOP. MSD will submit an interim SSDP by September 30, 2007, in accordance with the Consent Decree.

2.2.3.2 Combined Sewer Discharge Plan (CD Paragraph 24(b))

- Interim CSO Long Term Control Plan (LTCP) Update (CD Paragraph 24(b)(1) – MSD prepared and submitted the interim CSO LTCP. This plan includes an overview of the MSD program and efforts taken to reduce/eliminate discharges from the CSS. The list of proposed projects is being reviewed and finalized for proposed improvements to be accomplished by December 31, 2008. The interim CSO LTCP was submitted on February 10, 2006, in accordance with the Consent Decree. MSD received comments from EPA and EPPC on May 5, 2006. MSD discussed comments at the meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006 to continue discussion and receive additional clarification. The revised Interim CSO LTCP Update was submitted on June 3, 2006, in accordance with the Consent Decree. 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.

EPA and DEP disapproved the June 3, 2006 submittal by letter received on August 22, 2006. MSD resubmitted the revised interim CSO LTCP on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled, generally Wednesday afternoon, conferences calls have been part of the increased communications following the disapproval letter. It is anticipated that conference calls will be scheduled to occur throughout the program planning period.

- Final CSO LTCP (CD Paragraph 24(b)(2) – Efforts associated with the final LTCP continue to be ongoing as part of the interim LTCP. These efforts are primarily focused on planning associated with preparing the portions of the interim LTCP that are related to the manner in which MSD will prepare the final LTCP as outlined in the CD Paragraph 24(b)(2)(B). Procurement has begun for external assistance with the various portions of the final LTCP.

SECTION 3: PERFORMANCE OVERVIEW

3.1 DRY WEATHER DISCHARGES

Existing tracking and reporting procedures are being evaluated and revised as a parallel effort to the preparation of the Sewer Overflow Response Protocols (SORP). While this information is under development and review, Appendix A includes discharges for the previous quarter.

3.2 WET WEATHER DISCHARGES

Appendix A includes sanitary sewer overflows and dry weather combined sewer overflows for the previous quarter that reached Waters of the United States.

The Louisville, Kentucky area experienced a severe storm event on September 22 and 23, 2006. The storm event started on the morning of Friday, September 22, 2006 and continued until late afternoon on Saturday, September 23, 2006. The rainfall varied throughout the county, with maximum values recorded in excess of 11 inches. The rain totals approximate statistical storm events ranging from nearly a 100-year to greater than a 500-year return interval.

Specifically, the southern half of the county received rainfall amounts approximating the 100-year storm event, with lesser amounts recorded in the southern most part of the county. The northern half of the county received rainfall amounts approximating a 200-year or larger storm event, with the northeastern portion of the county receiving rainfall amounts approximating a 500-year or larger storm event.

Therefore, portions of our sewer system were inundated by the flood waters through most of the major streams in our community. Many of these and other areas were inaccessible and MSD staff members were not able to view many of these locations so there were believed to be numerous overflow locations that were not witnessed. Staff and crews performed field walks and identified several locations of damage to the manholes, primarily within the area of inundation.

Appendix B includes the latest version of modeled Annual Average Overflow Volume (AAOV) for the permitted CSOs as well as the flow monitoring information for existing flow monitors.

SECTION 4: PLANNED ACTIVITIES

4.1 SANITARY SEWER SYSTEM

This section contains an overview of the planned or committed programmatic and capital design and construction activities in the planning, design, easement acquisition, or construction phase for the period of July 1, 2006, through September 30, 2006. Primavera P3 project schedules are included in the Appendix C.

Significant issues identified within the SSS are capacity, mechanical reliability, backup power, system defects, and illicit connections. Numerous projects are planned or currently underway for continued improvement of the system to collect and convey wastewater flow with reduced I/I.

4.1.1 Programmatic and Planning Activities

The programmatic and planning activities projected for completion during the next quarter are detailed below. Additional information related to these activities is provided in Section 2.

- Interim Sanitary Sewer Discharge Plan (SSDP) (CD Paragraph 24(a)(2)) – MSD will continue to review and analyze options and problems associated with Hikes Point, Beechwood Village, Highgate Springs Pump Station, and Southeastern Diversion Structure. MSD will submit an interim SSDP by September 30, 2007, in accordance with the Consent Decree.
- Interceptor Condition Assessment – The interceptors in the Beargrass Creek Watershed, located in the Morris Forman Wastewater Treatment Plant Sewershed, are aging and many haven't been cleaned recently. This project utilizes a variety of technologies to perform inspection and assessment of these interceptor sewers. The project will include the assessment of approximately 140,000 feet of interceptor sewers ranging in size from 12 inches to 60 inches in diameter. The assessment reports will be utilized to prioritize and develop cleaning and repair projects. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- CMOM Activities – The following CMOM related programs have been initiated and are currently ongoing:
 - Fats, Oils, and Grease (FOG) Assessment
 - Air Release Valve / Force Main (ARV/FM) Assessment
 - Greenline Analysis – Reevaluating the start and stop pump elevations or markings for the Beechwood Village and Hikes Point areas.
- Wet Weather Team – See information presented under Section 4.2.1.

4.1.2 Design, Construction, and Implementation Activities

The projects listed below are currently in the design or construction phase. The specific activities listed are projected for completion during the next quarter. Additional information related to these planned activities is provided in Section 2 and project schedules are provided in Appendix C.

- Northern Ditch Pump Replacement – The existing pumps were showing signs of aging. This project replaces the four submersible pumps, each rated at 14,000 gallon per minute. The new pumps have been installed and the related work is ongoing. This project is an integral part of the Real Time Control strategy that was presented in the Interim CSO Long

Term Control Plan. This project will be completed by November 30, 2006, in accordance with the Consent Decree.

4.2 COMBINED SEWER SYSTEM

4.2.1 Programmatic and Planning Activities

The programmatic and planning activities projected for completion during the next quarter are detailed below. Additional information related to these activities is provided in Section 2.

- Nine Minimum Controls (NMC) Compliance Report (CD Paragraph 23(a)) – MSD received comments from EPA and DEP on May 5, 2006. MSD discussed comments at meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006 to continue discussion and receive additional clarification. The revised NMC Compliance Report was submitted on June 3, 2006, in accordance with the Consent Decree.

EPA and DEP disapproved the June 3, 2006 submittal by letter received on August 22, 2006. MSD resubmitted the revised interim NMC Compliance Audit on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled, generally Wednesday afternoon, conferences calls have been part of the increased communications following the disapproval letter. It is anticipated that conference calls will be scheduled to occur throughout the program planning period.

- Interim CSO Long Term Control Plan (LTCP) Update (CD Paragraph 24(b)(1)) – MSD received comments from EPA and DEP on May 5, 2006. MSD discussed comments at the meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006, to continue discussion and receive additional clarification. The revised Interim CSO LTCP Update was submitted on June 3, 2006, in accordance with the Consent Decree. 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.

EPA and DEP disapproved the June 3, 2006 submittal by letter received on August 22, 2006. MSD resubmitted the revised interim CSO LTCP on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled, generally Wednesday afternoon, conferences calls have been part of the increased communications following the disapproval letter. It is anticipated that conference calls will be scheduled to occur throughout the program planning period.

- Wet Weather Team - The Stakeholders Group is essentially the public portion of the Wet Weather Team (VWT). An external facilitator was utilized to help establish the Stakeholder Group. The facilitation contract is scheduled to be presented to the MSD Board for approval for the remainder of the Stakeholder process. The first three meetings were held on June 6, 2006, July 20, 2006, and August 15, 2006. There is one meeting scheduled for the next quarter and is anticipated to occur in early December, 2006.

4.2.2 Design, Construction, and Implementation Activities

The projects listed below are currently in the design or construction phase. The specific activities listed are projected for completion during the next quarter. Additional information related to these planned activities is provided in Section 2 and project schedules are provided in Appendix C.



- CSO 147 Elimination – The respective design phases will be continued. Bid documents will be prepared for additional phases of downspout disconnection projects and construction has started on most phases of downspout disconnections. This project will be completed by September 30, 2007, in accordance with the Consent Decree.
- RTC @ CSO 108 – Part of Phase 2 of the Real Time Control program. This project involves improving the connection between the Beargrass Interceptor and the Beargrass Interceptor Relief and automating the control of flow through these systems and therefore Nightingale Pump Station. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- RTC @ Southwestern Outfall SWOR2 – Part of Phase 2 of the Real Time Control program. This project involves the installation of an inflatable dam for storage in near the upper end of the Southwestern Outfall. Storage will primarily occur in the Upper Dry Run Trunk and the Mill Creek Trunk. The storage will be integrated into the Global Optimization Real Time Control system. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- Integration of Southwestern Pump Station / Main Diversion Structure / Morris Forman Wastewater Treatment Plant – Part of Phase 2 of the Real Time Control program. This project linking the Southwestern Pump Station, Main Diversion Structure, and the Morris Forman Wastewater Treatment Plant with the Global Optimization Real Time Control system. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- Integration of Wheeler Basin – Part of Phase 2 of the Real Time Control program. This project provides additional controls to utilize approximately one million gallons of storage in the trunk line that drains the Wheeler Basin. This project will be completed by December 31, 2008, in accordance with the Consent Decree.



MSD

Louisville and Jefferson County
Metropolitan Sewer District

**Quarterly Report Number 4
October 30, 2006**

APPENDIX A

Discharge Report

Note: The attached discharge report is prepared from discharge information stored in the MSD Hansen System.



MSD

Louisville and Jefferson County
Metropolitan Sewer District

**Quarterly Report Number 4
October 30, 2006**

APPENDIX B

CSO AAOV and Flow Monitoring

Note: The AAOV information was developed utilizing XP-SWMM. The flow monitoring information is from permanent flow monitors.

APPENDIX C

Primavera P3 Schedules

Note: The attached project schedules were prepared in Primavera and are utilized to manage and track projects as part of MSD Project Controls efforts. There are project naming discrepancies between the Consent Decree project titles and internal MSD project titles. The following list provides the Consent Decree project title and the MSD internal project title. Project schedules are included for active projects. Project schedules are arranged alphabetically based on MSD Project Titles.

Consent Decree Project Title

CSO 147 Elimination

Northern Ditch Pump Replacement

RTC @ CSO 108

RTC @ Southwestern Outfall SWOR2

Integration of SWPS/MDS/MFWTP

Integration of Wheeler Basin

Internal MSD Project Title

CSO 147 (Various Projects)

Northern Ditch Pump Station

RTC @ CSO 108

RTC @ SW Outfall SWOR2

Integration of SWPS/MDS/MFWTP

Integration of Wheeler Basin



MSD

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

October 30, 2006

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

Subject: Quarterly Report Number 4
October 30, 2006
DOJ Case No. 90-5-1-1-08254

Attention Chief:

Please find attached our Quarterly Report, prepared in accordance with Paragraph 25 of our Consent Decree. This report is for the period July 1, 2006 through September 30, 2006.

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

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

If you have questions or need additional information, please contact Derek Guthrie at (502) 540-6370 or Brian Bingham at (502) 649-3850.

Sincerely,

Derek Guthrie, P.E.
Director of Engineering/Operations
and Chief Engineer

W. Brian Bingham
Regulatory Management Services Director

Q4 Certification EPA 10-30-06

cc: H. J. Schardein, Jr.

Carolyn Shain

Laurence J. Zielke



*Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com*



MSD

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

October 30, 2006

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

Subject: Quarterly Report Number 4
October 30, 2006
DOJ Case No. 90-5-1-1-08254

Attention Chief:

Please find attached our Quarterly Report, prepared in accordance with Paragraph 25 of our Consent Decree. This report is for the period July 1, 2006 through September 30, 2006.

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

If you have questions or need additional information, please contact Derek Guthrie at (502) 540-6370 or Brian Bingham at (502) 649-3850.

Sincerely,

Derek Guthrie, P.E.
Director of Engineering/Operations
and Chief Engineer

W. Brian Bingham
Regulatory Management Services Director

CD Certification DOJ 10-30-06

cc: H. J. Schardein, Jr.

Carolyn Shain

Laurence J. Zielke



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MSD

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

October 30, 2006

Susan Rose Green, Director
Division of Enforcement
Department of Environmental Protection
14 Reilly Road
Frankfort, KY 40601

Subject: Quarterly Report Number 4
October 30, 2006
DOJ Case No. 90-5-1-1-08254

Attention Director Green:

Please find attached our Quarterly Report, prepared in accordance with Paragraph 25 of our Consent Decree. This report is for the period July 1, 2006 through September 30, 2006.

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

If you have questions or need additional information, please contact Derek Guthrie at (502) 540-6370 or Brian Bingham at (502) 649-3850.

Sincerely,

Derek Guthrie, P.E.
Director of Engineering/Operations
and Chief Engineer

W. Brian Bingham
Regulatory Management Services Director

CD Certification KDEP 10-30-06

cc: H. J. Schardein, Jr.

Carolyn Shain

Laurence J. Zielke



Beneficial Use of Louisville's Biosolids
www.louisvillegreen.com

SECTION 1: SIGNIFICANT ACCOMPLISHMENTS

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

The Quarterly Reports have been organized in accordance with Paragraph 25 of the Consent Decree. They overview program elements, issues, and accomplishments relating to Consent Decree compliance activities. The structure for this and future reports is outlined as follows:

- Section 1: Significant Accomplishments – summarizes the high-level milestones achieved during this quarter and other important information.
- Section 2: Current Activities Review – describes the project scope, schedule, and status for past projects and activities that demonstrate the efforts conducted to comply with the Consent Decree.
- Section 3: Performance Overview – an accounting of the current quarter and the cumulative reductions in volume and in number of occurrences of unauthorized discharges from the SSS, CSS, WTPs, and the discharges from MSD's CSO locations identified in the MFWTP KPDES permit.
- Section 4: Planned Activities – describes the anticipated projects and activities that are scheduled to be performed for continued compliance with the Consent Decree.

MSD has continued to provide internal and external training related to the Consent Decree (CD) to employees and consultants. A revised public outreach program aimed at updating the public on the MSD's primary business functions with emphasis on wastewater, stormwater, and flood protection has been presented to more than 140 community groups over the past 22 months. A portion of the presentation includes information related to the CD, including potential program direction and anticipated costs.

The five components of the Early Action Plan listed below were submitted in accordance with the Consent Decree on February 10, 2006:

- Sewer Overflow Response Protocol (SORP): Received comments from EPA and DEP on March 14, 2006, with letter dated March 13, 2006. A conference call was held on April 5, 2006, to discuss and clarify the comments. Based on those discussions and questions related to the interpretation of 401 KAR 5:015 an extension was requested and subsequently approved. A meeting was held in Frankfort on May 9, 2006, to resolve the outstanding issues. The revised SORP, along with supporting information, was re-submitted on May 12, 2006, in accordance with the CD and the extension approval letter. MSD received an approval letter on August 22, 2006. The approved document can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin/.
- CMOM Self-Assessment: Received comments for EPA and DEP on March 30, 2006. A conference call was held on April 12, 2006. The revised CMOM Self-Assessment was re-submitted on May 12, 2006, in accordance with the CD. Additional clarification and correction was made to the Backup Power Analysis submitted as part of the May 12, 2006. MSD received an approval letter on August 22, 2006. The approved document can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin/.

- **Nine Minimum Controls (NMC) Compliance:** Received comments from EPA and DEP on May 5, 2006. MSD discussed comments at a meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006 to continue discussion and receive additional clarification. The revised NMC Compliance Report was submitted on June 3, 2006, in accordance with the Consent Decree. MSD received a disapproval letter on August 22, 2006. MSD resubmitted the revised NMC Compliance Audit on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled conferences calls have been part of the increased communications following the disapproval letter.
- **Interim CSO LTCP Update:** MSD received comments from EPA and DEP on May 5, 2006. MSD discussed comments at a meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006 to continue discussion and receive additional clarification. The revised Interim CSO LTCP Update was submitted on June 3, 2006, in accordance with the Consent Decree. MSD received a disapproval letter on August 22, 2006. MSD resubmitted the revised NMC Compliance Audit on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled conferences calls have been part of the increased communications following the disapproval letter.
- **Updated SSOP:** MSD submitted the Updated SSOP on February 12, 2006, in accordance with the Consent Decree.

The process of organizing a Wet Weather Team (WWT) as outlined in CD Paragraph 22 has continued as comments are received from EPA and DEP regarding the proposed process. An external facilitator has been identified and a list of participants is being finalized.

The CSO 81 Closure Project was completed on September 7, 2006, thereby eliminating potential discharges from the combined sewer system.

The CSO 87 Elimination Project was completed on September 18, 2006, thereby eliminating potential discharges from the combined sewer system.

The Snead's Branch Solids and Floatables Improvements Project was completed on August 30, 2006, thereby increasing the functionality of the solids and floatables capture.

Water Quality warning signs were submitted, approved, and installed in along the streams throughout the Combined Sewer System service area. More than 200 signs were installed along streams and the Ohio River that receive flow from the CSOs, augmenting the existing CSO Identification signs already in place.

MSD implemented the Project Waterways Improvement Now (Project WIN) public outreach and public notification prior to September 30, 2006. Specific activities included: developing and mailing information related to Project WIN and the Consent Decree to each MSD customer account, developing and mailing information to the properties adjacent to Beargrass Creek and the Ohio River for the combined sewer area, development and implementation of the website based information and public notification system, development and use of door hangers, television and radio notifications, and press releases.

SORP related activities included training field and office staff on SORP implementation procedures and for field staff to begin utilizing temporary overflow signs.

More than 70 Solids and Floatables devices were installed as reported in the September 15, 2006 submittal of the NMC Compliance Audit. Detailed information of these installations may be found in the NMC Compliance Audit Appendix.

SECTION 2: CURRENT ACTIVITIES REVIEW

2.1 APPLICATION AND SCOPE (CONSENT DECREE PARAGRAPHS 19 AND 20)

MSD previously completed an in-house training program for existing employees related to the Consent Decree (CD). New employee training has been modified to include information regarding this CD. Copies of the CD are provided to new employees as well as consultants and contractors performing activities related to the CD. Additional training specifically related to the approved SORP is underway and will continue through the end of the calendar year.

MSD began a revised public outreach program approximately 22 months ago and has presented an update of our progress and direction to more than 140 community groups. This presentation covers MSD's primary business functions: wastewater, stormwater, and flood protection. The wastewater portion of the presentation includes information related to the CD, including potential program direction and anticipated costs.

MSD has formally implemented the Project Waterways Improvement Now (Project WIN) to implement the desired and required programs and projects related to this Consent Decree. Additional information may be found at the MSD website www.msdlouky.org, or at the MSD Project WIN website www.msdlouky.org/projectwin/.

2.2 COMPLIANCE PROGRAM AND SCHEDULES (CD PARAGRAPHS 22-24)

2.2.1 Director and Wet Weather Team (CD Paragraph 22)

The process of organizing a Wet Weather Team (WWT) as outlined in CD Paragraph 22 continues. An external facilitator has been identified and the list of participants is being finalized. The first three meetings were held on June 6, 2006, July 20, 2006, and August 15, 2006. The next scheduled meeting is planned for early December, 2006.

2.2.2 Early Action Plan (CD Paragraph 23)

2.2.2.1 Completed Projects – Capital Improvement Project List (CD Paragraph 23(b))

The following projects were completed within the timeframe of this report and have been certified complete under previous transmittal:

- CSO 87 Elimination – The CSO 87 elimination project involves evaluation and downspout disconnection and other system modifications. The areas draining to CSO 87 include 12 residential properties, 8 commercial properties, and 1 industrial property. The combined sewer also conveys runoff from Interstate 64. The evaluation phase concluded and construction included the partial separation of the storm sewer system in the area. CSO 87 was eliminated on September 18, 2006, in accordance with the Consent Decree.
- Real Time Control System, Initial Implementation Phase – The initial implementation phase of Real Time Control (RTC) is estimated to achieve a minimum of 10% reduction of the average annual overflow (AAOV) from the Combined Sewer System (CSS). The RTC software has been configured and installed at the Computer Room at Morris Forman Wastewater Treatment Plant (MFWTP). System modifications complete at the following locations: Southeastern Diversion, Nightingale Pump Station, Southwestern Pump Station Sluice Gate Chamber, Sneads Branch In-line Storage site, and the Upper Dry Run Trunk

System storage basins (Brady Lake and Executive Inn). Testing and verification of the system was completed on August 12, 2006 and the system was placed into operation on that date in accordance with the Consent Decree.

- CSO 81 Closure – The CSO 81 Closure Project involves evaluation and closure of the overflow. CSO 81 was closed on September 7, 2006.

2.2.2.2 Current Projects – Capital Improvement Project List (CD Paragraph 23(b))

The projects listed below are currently in design or construction. Additional information related to the planned activities for these projects is provided in Section 4.

- CSO 147 Elimination – The CSO 147 elimination project will require the disconnection of downspouts within the area. Previous efforts in the area include constructing a new storm sewer in the project area. CSO 147 currently overflows to South Fork Beargrass Creek. The evaluation and design phases continue. Bids have been received on seven of the nine phases of the downspout disconnections. This project will be completed by September 30, 2007, in accordance with the Consent Decree.
- RTC @ CSO 108 – Part of Phase 2 of the Real Time Control program. This project involves improving the connection between the Beargrass Interceptor and the Beargrass Interceptor Relief and automating the control of flow through these systems and therefore Nightingale Pump Station. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- RTC @ Southwestern Outfall SWOR2 – Part of Phase 2 of the Real Time Control program. This project involves the installation of an inflatable dam for storage near the upper end of the Southwestern Outfall. Storage will primarily occur in the Upper Dry Run Trunk and the Mill Creek Trunk. The storage will be integrated into the Global Optimization Real Time Control system. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- Integration of Southwestern Pump Station / Main Diversion Structure / Morris Forman Wastewater Treatment Plant – Part of Phase 2 of the Real Time Control program. This project linking the Southwestern Pump Station, Main Diversion Structure, and the Morris Forman Wastewater Treatment Plant with the Global Optimization Real Time Control system. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- Integration of Wheeler Basin – Part of Phase 2 of the Real Time Control program. This project additional controls to utilize approximately one million gallons of storage in the trunk line that drains the Wheeler Basin. This project will be completed by December 31, 2008, in accordance with the Consent Decree.

2.2.2.3 Nine Minimum Controls (NMC) Compliance (CD Paragraph 23(a))

MSD prepared and submitted a report to document the compliance status and proposed activities in accordance with the "Guidance for Nine Minimum Controls." The report was submitted on February 10, 2006, in accordance with the Consent Decree. MSD received comments from EPA and DEP on May 5, 2006. Significant discussion related to the comments took place at the meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006 to continue discussion and receive additional clarification. The revised NMC Compliance Report was submitted on June 3, 2006, in accordance with the Consent Decree.



EPA and DEP disapproved the June 3, 2006 submittal by letter received on August 22, 2006. MSD resubmitted the revised interim NMC Compliance Audit on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled, generally Wednesday afternoon, conferences calls have been part of the increased communications following the disapproval letter. It is anticipated that conference calls will be scheduled to occur throughout the program planning period.

2.2.2.4 Capacity, Management, Operations, and Maintenance (CMOM) Programs Self-Assessment (CD Paragraph 23(c))

MSD prepared and submitted the self-assessment as outlined in the CD. The CMOM Self-Assessment was submitted on February 10, 2006, in accordance with the Consent Decree. Comments were received from EPA and DEP on March 30, 2006. A conference call was held on April 12, 2006, with EPA and DEP to discuss the comments. MSD submitted the response and revised CMOM Self-Assessment on May 12, 2006 in accordance with the Consent Decree.

MSD received an approval letter on August 22, 2006. MSD continued to work on the program elements included in the CMOM document. The approved document can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin/.

2.2.2.5 Sewer Overflow Response Protocol (SORP) (CD Paragraph 23(d))

MSD prepared and submitted the SORP. The SORP was submitted on February 10, 2006, in accordance with the Consent Decree. MSD received comments from EPA and DEP on March 13, 2006. A conference call was held on April 5, 2006, to discuss the comments. An extension was requested and granted, extending the re-submittal date to May 12, 2006. A meeting was held in Frankfort on May 9, 2006, to resolve the outstanding issues. The revised document was completed, including revised and expanded protocols. Supporting information was included as Supplemental Information as requested to clarify several of the protocols. The revised SORP was submitted on May 12, 2006, in accordance with the Consent Decree and the extension letter.

MSD received an approval letter for the SORP on August 22, 2006. MSD continued implementation of the approved SORP through September and will continue training throughout the year. The approved document can be viewed on the MSD Project WIN website www.msdlouky.org/projectwin/.

2.2.3 Discharge Abatement Plans (CD Paragraph 24)

2.2.3.1 Sanitary Sewer Discharge Plan (CD Paragraph 24(a))

- Updated Sanitary Sewer Overflow Plan (SSOP) (CD Paragraph 24(a)(1)) – MSD prepared and submitted the updated SSOP. This plan includes an overview of the MSD program and efforts taken to reduce/eliminate discharges from the sanitary sewer system. This report includes a list of the proposed improvements to be accomplished by December 31, 2008. The updated SSOP was submitted on February 10, 2006, in accordance with the Consent Decree.
- Interim Sanitary Sewer Discharge Plan (SSDP) (CD Paragraph 24(a)(2)) – MSD has continued to review and analyze options and problems associated with the Hikes Point, Beechwood Village, Highgate Springs Pump Station, and Southeastern Diversion Structure to determine if any of the required or prerequisite projects for these areas could

be included in the updated SSOP. MSD will submit an interim SSDP by September 30, 2007, in accordance with the Consent Decree.

2.2.3.2 Combined Sewer Discharge Plan (CD Paragraph 24(b))

- Interim CSO Long Term Control Plan (LTCP) Update (CD Paragraph 24(b)(1) – MSD prepared and submitted the interim CSO LTCP. This plan includes an overview of the MSD program and efforts taken to reduce/eliminate discharges from the CSS. The list of proposed projects is being reviewed and finalized for proposed improvements to be accomplished by December 31, 2008. The interim CSO LTCP was submitted on February 10, 2006, in accordance with the Consent Decree. MSD received comments from EPA and EPPC on May 5, 2006. MSD discussed comments at the meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006 to continue discussion and receive additional clarification. The revised Interim CSO LTCP Update was submitted on June 3, 2006, in accordance with the Consent Decree. 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.

EPA and DEP disapproved the June 3, 2006 submittal by letter received on August 22, 2006. MSD resubmitted the revised interim CSO LTCP on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled, generally Wednesday afternoon, conferences calls have been part of the increased communications following the disapproval letter. It is anticipated that conference calls will be scheduled to occur throughout the program planning period.

- Final CSO LTCP (CD Paragraph 24(b)(2) – Efforts associated with the final LTCP continue to be ongoing as part of the interim LTCP. These efforts are primarily focused on planning associated with preparing the portions of the interim LTCP that are related to the manner in which MSD will prepare the final LTCP as outlined in the CD Paragraph 24(b)(2)(B). Procurement has begun for external assistance with the various portions of the final LTCP.

SECTION 3: PERFORMANCE OVERVIEW

3.1 DRY WEATHER DISCHARGES

Existing tracking and reporting procedures are being evaluated and revised as a parallel effort to the preparation of the Sewer Overflow Response Protocols (SORP). While this information is under development and review, Appendix A includes discharges for the previous quarter.

3.2 WET WEATHER DISCHARGES

Appendix A includes sanitary sewer overflows and dry weather combined sewer overflows for the previous quarter that reached Waters of the United States.

The Louisville, Kentucky area experienced a severe storm event on September 22 and 23, 2006. The storm event started on the morning of Friday, September 22, 2006 and continued until late afternoon on Saturday, September 23, 2006. The rainfall varied throughout the county, with maximum values recorded in excess of 11 inches. The rain totals approximate statistical storm events ranging from nearly a 100-year to greater than a 500-year return interval.

Specifically, the southern half of the county received rainfall amounts approximating the 100-year storm event, with lesser amounts recorded in the southern most part of the county. The northern half of the county received rainfall amounts approximating a 200-year or larger storm event, with the northeastern portion of the county receiving rainfall amounts approximating a 500-year or larger storm event.

Therefore, portions of our sewer system were inundated by the flood waters through most of the major streams in our community. Many of these and other areas were inaccessible and MSD staff members were not able to view many of these locations so there were believed to be numerous overflow locations that were not witnessed. Staff and crews performed field walks and identified several locations of damage to the manholes, primarily within the area of inundation.

Appendix B includes the latest version of modeled Annual Average Overflow Volume (AAOV) for the permitted CSOs as well as the flow monitoring information for existing flow monitors.

SECTION 4: PLANNED ACTIVITIES

4.1 SANITARY SEWER SYSTEM

This section contains an overview of the planned or committed programmatic and capital design and construction activities in the planning, design, easement acquisition, or construction phase for the period of July 1, 2006, through September 30, 2006. Primavera P3 project schedules are included in the Appendix C.

Significant issues identified within the SSS are capacity, mechanical reliability, backup power, system defects, and illicit connections. Numerous projects are planned or currently underway for continued improvement of the system to collect and convey wastewater flow with reduced I/I.

4.1.1 Programmatic and Planning Activities

The programmatic and planning activities projected for completion during the next quarter are detailed below. Additional information related to these activities is provided in Section 2.

- Interim Sanitary Sewer Discharge Plan (SSDP) (CD Paragraph 24(a)(2)) – MSD will continue to review and analyze options and problems associated with Hikes Point, Beechwood Village, Highgate Springs Pump Station, and Southeastern Diversion Structure. MSD will submit an interim SSDP by September 30, 2007, in accordance with the Consent Decree.
- Interceptor Condition Assessment – The interceptors in the Beargrass Creek Watershed, located in the Morris Forman Wastewater Treatment Plant Sewershed, are aging and many haven't been cleaned recently. This project utilizes a variety of technologies to perform inspection and assessment of these interceptor sewers. The project will include the assessment of approximately 140,000 feet of interceptor sewers ranging in size from 12 inches to 60 inches in diameter. The assessment reports will be utilized to prioritize and develop cleaning and repair projects. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- CMOM Activities – The following CMOM related programs have been initiated and are currently ongoing:
 - Fats, Oils, and Grease (FOG) Assessment
 - Air Release Valve / Force Main (ARV/FM) Assessment
 - Greenline Analysis – Reevaluating the start and stop pump elevations or markings for the Beechwood Village and Hikes Point areas.
- Wet Weather Team – See information presented under Section 4.2.1.

4.1.2 Design, Construction, and Implementation Activities

The projects listed below are currently in the design or construction phase. The specific activities listed are projected for completion during the next quarter. Additional information related to these planned activities is provided in Section 2 and project schedules are provided in Appendix C.

- Northern Ditch Pump Replacement – The existing pumps were showing signs of aging. This project replaces the four submersible pumps, each rated at 14,000 gallon per minute. The new pumps have been installed and the related work is ongoing. This project is an integral part of the Real Time Control strategy that was presented in the Interim CSO Long

Term Control Plan. This project will be completed by November 30, 2006, in accordance with the Consent Decree.

4.2 COMBINED SEWER SYSTEM

4.2.1 Programmatic and Planning Activities

The programmatic and planning activities projected for completion during the next quarter are detailed below. Additional information related to these activities is provided in Section 2.

- Nine Minimum Controls (NMC) Compliance Report (CD Paragraph 23(a)) – MSD received comments from EPA and DEP on May 5, 2006. MSD discussed comments at meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006 to continue discussion and receive additional clarification. The revised NMC Compliance Report was submitted on June 3, 2006, in accordance with the Consent Decree.

EPA and DEP disapproved the June 3, 2006 submittal by letter received on August 22, 2006. MSD resubmitted the revised interim NMC Compliance Audit on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled, generally Wednesday afternoon, conferences calls have been part of the increased communications following the disapproval letter. It is anticipated that conference calls will be scheduled to occur throughout the program planning period.

- Interim CSO Long Term Control Plan (LTCP) Update (CD Paragraph 24(b)(1)) – MSD received comments from EPA and DEP on May 5, 2006. MSD discussed comments at the meeting in Frankfort on May 9, 2006. A conference call was held on May 17, 2006, to continue discussion and receive additional clarification. The revised Interim CSO LTCP Update was submitted on June 3, 2006, in accordance with the Consent Decree. 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.

EPA and DEP disapproved the June 3, 2006 submittal by letter received on August 22, 2006. MSD resubmitted the revised interim CSO LTCP on September 15, 2006. EPA and DEP are currently reviewing this submittal. Regularly scheduled, generally Wednesday afternoon, conferences calls have been part of the increased communications following the disapproval letter. It is anticipated that conference calls will be scheduled to occur throughout the program planning period.

- Wet Weather Team - The Stakeholders Group is essentially the public portion of the Wet Weather Team (WWT). An external facilitator was utilized to help establish the Stakeholder Group. The facilitation contract is scheduled to be presented to the MSD Board for approval for the remainder of the Stakeholder process. The first three meetings were held on June 6, 2006, July 20, 2006, and August 15, 2006. There is one meeting scheduled for the next quarter and is anticipated to occur in early December, 2006.

4.2.2 Design, Construction, and Implementation Activities

The projects listed below are currently in the design or construction phase. The specific activities listed are projected for completion during the next quarter. Additional information related to these planned activities is provided in Section 2 and project schedules are provided in Appendix C.



- CSO 147 Elimination – The respective design phases will be continued. Bid documents will be prepared for additional phases of downspout disconnection projects and construction has started on most phases of downspout disconnections. This project will be completed by September 30, 2007, in accordance with the Consent Decree.
- RTC @ CSO 108 – Part of Phase 2 of the Real Time Control program. This project involves improving the connection between the Beargrass Interceptor and the Beargrass Interceptor Relief and automating the control of flow through these systems and therefore Nightingale Pump Station. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- RTC @ Southwestern Outfall SWOR2 – Part of Phase 2 of the Real Time Control program. This project involves the installation of an inflatable dam for storage in near the upper end of the Southwestern Outfall. Storage will primarily occur in the Upper Dry Run Trunk and the Mill Creek Trunk. The storage will be integrated into the Global Optimization Real Time Control system. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- Integration of Southwestern Pump Station / Main Diversion Structure / Morris Forman Wastewater Treatment Plant – Part of Phase 2 of the Real Time Control program. This project linking the Southwestern Pump Station, Main Diversion Structure, and the Morris Forman Wastewater Treatment Plant with the Global Optimization Real Time Control system. This project will be completed by December 31, 2008, in accordance with the Consent Decree.
- Integration of Wheeler Basin – Part of Phase 2 of the Real Time Control program. This project provides additional controls to utilize approximately one million gallons of storage in the trunk line that drains the Wheeler Basin. This project will be completed by December 31, 2008, in accordance with the Consent Decree.



MSD

Louisville and Jefferson County
Metropolitan Sewer District

Quarterly Report Number 4
October 30, 2006

APPENDIX A

Discharge Report

Note: The attached discharge report is prepared from discharge information stored in the MSD Hansen System.



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # 000000	Facility ID MSD0000	Treatment Plant Name NO PLANT-GOES TO STREAM/RIVER	Receiving Stream of Treatment Plant NONE	Region
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08537	3417 BENNETT LN	Northern Ditch Blowoff	GREASY DITCH	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	591432	09/23/06 2:45 AM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/26/06 01:10 AM

Spot Inspections:

Discharge Amount:	115,500,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022420	Facility ID MSD0202	Treatment Plant Name HITE CREEK	Receiving Stream of Treatment Plant HITE CREEK	Region EAST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	11877	5500 HITT RD		HITE CREEK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571676	07/14/06 8:30 PM	STEPHANIE MCFARLAND	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	07/14/06 09:55 PM

Spot Inspections:

Discharge Amount:	200,000 GAL
Cause:	HEAVY RAIN IN AREA.
Clean Up:	SPREAD LIME AND HOSED AREA AROUND THE DISCHARGE SITE ONCE THE RAIN EVENT SUBSIDED.
Repair:	RAIN EVENT RELATED

Notifications:

07/17/06 12:29 PM	CALLED KDOV REPORTED DISCHARGE
07/17/06 12:30 PM	CALLED BOH REPORTED DISCHARGE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022420 (Cont'd)	Facility ID MSD0202	Treatment Plant Name HITE CREEK	Receiving Stream of Treatment Plant HITE CREEK	Region EAST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0202	5500 HITT RD			

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	590550	09/23/06 12:30 AM	EARL DUNN JR	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 11:00 PM

Spot Inspections:

Discharge Amount:	12,000,000 GAL
Cause:	STREAM FLOODED INFLUENT PUMP STATION CAUSING ELECTRICAL SHORTS OF PUMP CONTROLS
Clean Up:	AREA RAKED, WASHED & VACTORED BY CONTRACTOR WHERE POSSIBLE
Control Zone:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW FOR A CONTROL ZONE SET UP
Impact:	CREEK TURNED A SLIGHT GRAY COLOR
Repair:	PULLED 3 PUMP MOTORS & SENT TO BE REPAIRED. TEMP. INSTALLED CONTROL PANELS IN ORDER TO RUN ONE PUMP.
Repair:	SOME ELECTRICAL COMPONENTS REPLACED OR CLEANED TO RESTORE USE OF PUMPS

Notifications:

09/23/06 12:30 AM	Stream flooded into Influent Pump Station causing electric controls to short out.
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
10/02/06 03:00 PM	The quantity of discharge was increased due to further review of the flow versus outage of the pump station. Although the true quantity of the overflow is unknown, the revised quantity should better reflect the true amount.



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022420 (Cont'd)	Facility ID MSD0202	Treatment Plant Name HITE CREEK	Receiving Stream of Treatment Plant HITE CREEK	Region EAST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1086-PS	7250 FLOYDSBURG RD	FLOYDSBURG ROAD	FLOYDS FORK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571681	07/14/06 8:00 PM	STEPHANIE MCFARLAND	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	07/14/06 09:15 PM

Spot Inspections:

Discharge Amount:	4,000 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	RAIN EVENT RELATED OVERFLOW.
Repair:	RAIN EVENT RELATED OVERFLOW.

Notifications:

07/17/06 12:42 PM	CALLED KDOW REPORTED DISCHARGE
07/17/06 12:42 PM	CALLED BOH REPORTED DISCHARGE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022420 (Cont'd)	Facility ID MSD0202	Treatment Plant Name HITE CREEK	Receiving Stream of Treatment Plant HITE CREEK	Region EAST		
Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 581117	Initiated 08/27/06 9:40 PM	Initiated By THERESA SINGLETON	Problem LACK OF SYSTEM CAPACITY	Resolution DISCHARGE TO WATERS OF THE US	Completed 08/28/06 12:40 AM

Spot Inspections:

Discharge Amount:	6,000 GAL
Cause:	RAIN EVENT IN THE AREA
Clean Up:	RAIN EVENT RELATED - CLEAN UP NOT FEASIBLE.
Impact:	SEWAGE IN DITCH FROM PUMP STATION OVERFLOW.
Repair:	RAIN EVENT RELATED.

Notifications:

08/28/06 08:13 AM	NOTIFIED DOW.
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MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590561	09/23/06 12:01 AM	THERESA SINGLETON	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/23/06 08:30 AM

Spot Inspections:

Discharge Amount:	6,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING A 500YR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	AREA RAKED & DEBRIS HAULED
Control Zone:	CAUTION TAPED OFF AREA
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	HAULED EXCESS SEWAGE

Notifications:

09/23/06 12:01 AM	Paul Kustes faxed information to KDOW officer Dillon
09/23/06 12:01 AM	Paul Kustes called BOH & left message on answering machine



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0025194	Facility ID MSD0255	Treatment Plant Name JEFFERSONTOWN	Receiving Stream of Treatment Plant CHENOWETH RUN	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28248	3603 ST EDWARDS DR			

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	591402	09/23/06 5:09 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 02:02 PM

Spot Inspections:

Discharge Amount:	11,340 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSE SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	591398	09/23/06 5:05 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 01:58 PM

Spot Inspections:

Discharge Amount:	3,780 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0025194 (Cont'd)	Facility ID MSD0255	Treatment Plant Name JEFFERSONTOWN	Receiving Stream of Treatment Plant CHENOWETH RUN	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28250	3506 CHARLANE PKY		CHENOWETH RUN	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	591400	09/23/06 5:07 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 02:00 PM

Spot Inspections:

Discharge Amount:	3,780 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED CAUSE SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0025194 (Cont'd)	Facility ID MSD0255	Treatment Plant Name JEFFERSONTOWN	Receiving Stream of Treatment Plant CHENOWETH RUN	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28336	9707 WILLOWWOOD WAY		CHENOWETH RUN	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	591403	09/23/06 5:13 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 02:03 PM

Spot Inspections:

Discharge Amount:	307,440 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0025194 (Cont'd)	Facility ID MSD0255	Treatment Plant Name JEFFERSONTOWN	Receiving Stream of Treatment Plant CHENOWETH RUN	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28340	3620 CHARLANE PKY		CHENOWETH RUN	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	591404	09/23/06 5:14 AM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 02:04 AM

Spot Inspections:

Discharge Amount:	3,780 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0025194 (Cont'd)	Facility ID MSD0255	Treatment Plant Name JEFFERSONTOWN	Receiving Stream of Treatment Plant CHENOWETH RUN	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28392	2901 LIVINGSTON AVE		CHENOWETH RUN	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	591426	09/23/06 6:23 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 02:20 PM

Spot Inspections:

Discharge Amount:	2,160,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERFLOW AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0025194 (Cont'd)	Facility ID MSD0255	Treatment Plant Name JEFFERSONTOWN	Receiving Stream of Treatment Plant CHENOWETH RUN	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28395	2901 LIVINGSTON AVE		CHENOWETH RUN	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	591425	09/23/06 6:00 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 02:15 PM

Spot Inspections:

Discharge Amount:	540,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0025194 (Cont'd)	Facility ID MSD0255	Treatment Plant Name JEFFERSONTOWN	Receiving Stream of Treatment Plant CHENOWETH RUN	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28415	3406 DELL RD		CHENOWETH RUN	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571867	07/14/06 7:45 PM	MICHAEL GRIFFITH	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	07/15/06 01:41 AM

Spot Inspections:

Discharge Amount:	19,440 GAL
Cause:	HEAVY RAIN
Clean Up:	RAIN EVENT RELATED - CLEANUP NOT FEASIBLE
Repair:	RAIN EVENT RELATED.

Notifications:

07/15/06 05:30 PM	CALLED KDOW CONTACT PERSON: OFFICER LANG - INCIDENT #20062101
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MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0025194 (Cont'd)	Facility ID MSD0255	Treatment Plant Name JEFFERSONTOWN	Receiving Stream of Treatment Plant CHENOWETH RUN	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	64096	4710 CHENOWETH RUN RD		CHENOWETH RUN	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	591629	09/25/06 2:40 PM	PATRICIA REYNOLDS	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/25/06 04:08 PM

Spot Inspections:

Cause:	MISSING MANHOLE LID - MAGNITUDE OF EVENT (~500 YR STORM) OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA.
Clean Up:	MSD IS ASSISTING CLEANUP EFFORTS OF THOSE PROPERTY OWNERS WITH DOCUMENTED DAMAGES RELATED DIRECTLY TO THIS FLOOD EVENT IN THE AMOUNT OF \$500
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE
Repair:	THIS WAS A MAJOR STORM EVENT THAT APPROACHED A MAGNITUDE OF A 500 YEAR EVENT.

Notifications:

09/25/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0025194 (Cont'd)	Facility ID MSD0255	Treatment Plant Name JEFFERSONTOWN	Receiving Stream of Treatment Plant CHENOWETH RUN	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1043-PS	4715 CHENWOOD LN	CHIPPEWA	CHENOWETH RUN	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	590592	09/23/06 2:00 AM	JAMES PORTER JR	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/23/06 06:00 PM

Spot Inspections:

Discharge Amount:	5,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING A 500 YR. MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA.
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED.
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW FOR CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS.
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YR. EVENT

Notifications:

09/25/06 09:13 AM	Recording at BOH DOW notified #20063002
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0078956	Facility ID MSD0277	Treatment Plant Name WEST COUNTY	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	108905	8301 SAVANNAH SPRINGS CT		SOUTHERN DITCH	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISDW: DRY WEATHER DISCHARGE	577757	08/07/06 10:40 AM	GARY BLASHER	OBSTRUCTION-NOT GREASE / ROOTS	DISCHARGE TO WATERS OF THE US	08/07/06 04:10 PM

Spot Inspections:

Discharge Amount:	150 GAL
Cause:	DEBRIS BLOCKAGE IN THE LINE
Clean Up:	MSD CLEANED THE AREA AROUND THE OVERFLOW SITE.
Repair:	WORK ORDER 577784 & 577785 - MSD FLUSHED THE LINE TO CLEAR THE OBSTRUCTION.

Notifications:

08/07/06 02:40 PM	CALLED BOH SPOKE WITH JUNE.
08/07/06 02:52 PM	CALLED DOW AND SPOKE WITH BRAD TRIVETT.



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	00746	802 N ARBOR DR		MIDDLE FORK BEARGRASS CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571678	07/14/06 10:30 PM	STEPHANIE MCFARLAND	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	07/14/06 10:50 PM

Spot Inspections:

Discharge Amount:	100 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	MSD CLEANED THE AREA AROUND THE OVERFLOW LOCATION.
Repair:	RAIN EVENT RELATED. 33,000 GALLONS OF SEWAGE WAS HAULED FROM THIS PUMP STATION TO AVOID ADDITIONAL OVERFLOWS - WORK ORDER #571680.

Notifications:

07/17/06 12:37 PM	CALLED KDOW REPORTED DISCHARGE
07/17/06 12:38 PM	CALLED BOH REPORTED DISCHARGE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	01793	9 MUIRFIELD PL		MIDDLE FORK BEARGRASS CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	591431	09/23/06 3:01 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 03:15 PM

Spot Inspections:

Discharge Amount:	4,320 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08430	4341 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	590604	09/23/06 2:27 AM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 11:30 AM

Spot Inspections:

Discharge Amount:	68,040 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	08935-SM	1001 BRECKENRIDGE LN		MIDDLE FORK BEARGRASS CREEK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571865	07/14/06 8:50 PM	MICHAEL GRIFFITH	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	07/15/06 07:56 AM

Spot Inspections:

Discharge Amount:	792,000 GAL
Cause:	HEAVY RAIN
Clean Up:	RAIN EVENT RELATED - CLEANUP NOT FEASIBLE.
Repair:	RAIN EVENT RELATED - THIS SITE IS IN MSD CAPITAL PLAN FOR ABATEMENT

Notifications:

07/15/06 05:30 PM	CALLED KDOW CONTACT PERSON: OFFICER LANG - INCIDENT #20062101
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MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590603	09/22/06 10:00 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/26/06 01:00 AM

Spot Inspections:

Discharge Amount:	5,544,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF YHIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SSL Sewer Service Line	121647913	7913 SHELBYVILLE RD			

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	591551	09/23/06 1:30 AM	SANDRA SCHMITT	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/25/06 05:49 PM

Spot Inspections:

Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA."
Clean Up:	MSD IS ASSISTING CLEANUP EFFORTS OF THOSE PROPERTY OWNERS WITH DOCUMENTED DAMAGES RELATED DIRECTLY TO THIS FLOOD EVENT IN THE AMOUNT OF \$500.
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP.
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE.
Repair:	THIS WAS WAS A MAJOR STORM EVENT THAT APPROACHED A MAGNITUDE OF A 500 YEAR EVENT.



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	16108	2501 SENECA VALLEY RD			

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	591664	09/23/06 6:10 PM	SHARON STONE	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/23/06 06:18 PM

Spot Inspections:

Cause:	MISSING MANHOLD LID - EVENT MAGNITUDE (~500-YR STORM) OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	FOR ONE THAT HAPPENED OUTSIDE, PUT "THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED."
Control Zone:	MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP.
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE."
Repair:	THIS WAS A MAJOR STORM EVENT THAT APPROACHED A MAGNITUDE OF A 500 YEAR EVENT."



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571465	07/14/06 8:10 PM	PAULA BYRD	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	07/15/06 12:10 AM

Spot Inspections:

Discharge Amount:	266,000 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN
Clean Up:	RAIN EVENT RELATED CLEANUP NOT FEASIBLE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS.
Impact:	STORM WATER WAS PUMPED TO THE CREEK.
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

07/15/06 01:37 AM	FAXED INFORMATION TO MR. DILLON AT 502-607-1614
07/16/06 04:30 PM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST		
Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590474	Initiated 09/23/06 12:20 AM	Initiated By CONNIE MILLER	Problem PUMPED OVERFLOW	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/24/06 04:18 PM

Spot Inspections:

Discharge Amount:	2,643,800 GAL
Cause:	PUMPS PLACED DURING SEVERE RAIN EVENT APPROACHING 500-YEAR STORM MAGNITUDE WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN LOUISVILLE METRO AREA
Clean Up:	MSD CLEANED THE AREA AROUND THE DISCHARGE SITE ONCE THE RAIN SUBSIDED.
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	STORM WATER WAS PUMPED TO THE CREEK
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 11:00 AM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST		
Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590476	Initiated 09/23/06 12:20 AM	Initiated By CONNIE MILLER	Problem PUMPED OVERFLOW	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/24/06 04:18 PM

Spot Inspections:

Discharge Amount:	2,643,800 GAL
Cause:	PUMPS PLACED DURING SEVERE RAIN EVENT APPROACHING 500-YEAR STORM MAGNITUDE WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN LOUISVILLE METRO AREA
Clean Up:	MSD CLEANED THE AREA AROUND THE DISCHARGE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	STORM WATER WAS PUMPED TO THE CREEK
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 11:02 AM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	18299	2201 GERALD CT		SOUTH FORK BEARGRASS CREEK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	590600	09/23/06 12:45 AM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 11:00 AM

Spot Inspections:

Discharge Amount:	50,600 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	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>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571471	07/14/06 10:31 AM	PAULA BYRD	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	07/15/06 01:12 AM

Spot Inspections:

Discharge Amount:	177,100 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN
Clean Up:	RAIN EVENT RELATED CLEANUP NOT FEASIBLE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS.
Impact:	STORM WATER WAS PUMPED TO THE CREEK.
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

07/15/06 01:42 AM	FAXED INFORMATION TO MR. DILLON AT 502-607-1614
06/15/06 04:30 PM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	590483	09/23/06 12:50 AM	CONNIE MILLER	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	09/25/06 02:30 PM

Spot Inspections:

Discharge Amount:	4,060,000 GAL
Cause:	PUMPS PLACED DURING SEVERE RAIN EVENT APPROACHING 500-YEAR STORM MAGNITUDE WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN LOUISVILLE METRO AREA
Clean Up:	MSD CLEANED THE AREA AROUND THE DISCHARGE SITE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	STORM WATER WAS PUMPED TO THE CREEK
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 11:03 AM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590482	09/23/06 1:24 AM	CONNIE MILLER	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	09/24/06 07:44 PM

Spot Inspections:

Discharge Amount:	2,033,000 GAL
Cause:	PUMPS PLACED DURING SEVERE RAIN EVENT APPROACHING 500-YEAR STORM MAGNITUDE WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN LOUISVILLE METRO AREA
Clean Up:	MSD CLEANED THE AREA AROUND THE DISCHARGE SITE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	STORM WATER WAS PUMPED TO THE CREEK.
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 11:03 AM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST		
Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590568	Initiated 09/23/06 1:24 PM	Initiated By SHARON WINBURN	Problem PUMPED OVERFLOW	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/24/06 07:44 PM

Spot Inspections:

Discharge Amount:	2,033,000 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	RAIN EVENT RELATED, CLEANUP NOT FEASIBLE
Control Zone:	BARRICADES AND NOTIFICATION SIGNS
Impact:	STORMWATER WAS PUMPED TO THE CREEK.
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	18505	3540 RAMONA AVE		SOUTH FORK BEARGRASS CREEK	CATCH BASIN

Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590479	Initiated 09/23/06 2:36 AM	Initiated By CONNIE MILLER	Problem PUMPED OVERFLOW	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/24/06 10:00 AM
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Spot Inspections:

Discharge Amount:	2,086,700 GAL
Cause:	PUMPS PLACED DURING SEVERE RAIN EVENT APPROACHING 500-YEAR STORM MAGNITUDE WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN LOUISVILLE METRO AREA
Clean Up:	MSD CLEANED THE AREA AROUND THE DISCHARGE SITE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	STORM WATER WAS PUMPED TO THE CREEK
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 11:03 AM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590481	09/23/06 12:05 AM	CONNIE MILLER	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	09/24/06 03:55 PM

Spot Inspections:

Discharge Amount:	2,235,000 GAL
Cause:	PUMPS PLACED DURING SEVERE RAIN EVENT APPROACHING 500-YEAR STORM MAGNITUDE WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN LOUISVILLE METRO AREA
Clean Up:	WORK ORDER NO. 590501, MSD CLEANED THE AREA AROUND THE DISCHARGE SITE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	STORM WATER WAS PUMPED TO THE CREEK
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 11:03 AM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	18655	4902 DELAWARE DR			

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	590506	09/23/06 8:00 PM	CONNIE MILLER	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/23/06 09:00 PM

Spot Inspections:

Discharge Amount:	0 GAL
Cause:	MISSING MANHOLE LID - EVENT MAGNITUDE (~500-YR STORM) OCCURRED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	WASHED DOWN STREET TO MANHOLE
Control Zone:	SET UP BARRICADES
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE
Repair:	THIS WAS A MAJOR STORM EVENT THAT APPROACHED A MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/24/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/24/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	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>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571462	07/14/06 9:45 PM	PAULA BYRD	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	07/15/06 03:17 AM

Spot Inspections:

Discharge Amount:	367,200 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN
Clean Up:	RAIN EVENT RELATED, CLEANUP NOT FEASIBLE.
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS.
Impact:	STORM WATER WAS PUMPED TO THE CREEK.
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

07/15/06 01:41 AM	FAXED INFORMATION TO MR. DILLON AT 502-607-1614
07/15/06 12:00 AM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590477	Initiated 09/23/06 12:25 AM	Initiated By CONNIE MILLER	Problem PUMPED OVERFLOW	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/24/06 05:05 PM
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Spot Inspections:

Discharge Amount:	1,884,500 GAL
Cause:	PUMPS PLACED DURING SEVERE RAIN EVENT APPROACHING 500-YEAR STORM MAGNITUDE WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN LOUISVILLE METRO AREA
Clean Up:	MSD CLEANED THE AREA AROUND THE DISCHARGE SITE ONCE THE RAIN SUBSIDED.
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	STORM WATER WAS PUMPED TO THE CREEK
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 11:02 AM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	21101	4302 SHELBYVILLE RD		UPPER SINKING FORK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571466	07/14/06 8:30 PM	TONY LANIER	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	07/15/06 06:57 AM

Spot Inspections:

Discharge Amount:	695,700 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN
Clean Up:	RAIN EVENT RELATED, CLEANUP IS NOT FEASIBLE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS.
Impact:	STORM WATER WAS PUMPED TO THE CREEK.
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

07/15/06 01:39 AM	FAXED INFORMATION TO MR. DILLON AT 502-607-1614
07/15/06 04:30 PM	CONTACTED THE DIVISON OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST		
Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590473	Initiated 09/23/06 12:05 PM	Initiated By CONNIE MILLER	Problem PUMPED OVERFLOW	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/24/06 03:55 PM

Spot Inspections:

Discharge Amount:	4,674,000 GAL
Cause:	PUMPS PLACED DURING SEVERE RAIN EVENT APPROACHING 500-YEAR STORM MAGNITUDE WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN LOUISVILLE METRO AREA
Clean Up:	MSD CLEANED THE AREA AROUND THE DISCHARGE SITE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	STORM WATER PUMPED TO THE CREEK
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 10:59 AM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571467	07/14/06 8:30 PM	PAULA BYRD	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	07/15/06 03:05 AM

Spot Inspections:

Discharge Amount:	438,500 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN
Clean Up:	RAIN EVENT RELATED CLEANUP NOT FEASIBLE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS.
Impact:	STORM WATER WAS PUMPED TO THE CREEK.
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

07/15/06 01:39 AM	FAXED INFORMATION TO MR. DILLON AT 502-607-1614
06/15/06 04:30 PM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	591396	09/23/06 12:25 AM	SHARON WINBURN	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	09/24/06 11:40 AM

Spot Inspections:

Discharge Amount:	3,527,500 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN EVENT
Clean Up:	MSD CLEANED THE AREA AROUND THE DISCHARGE 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:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	21156	4601 STONEHENGE DR		UPPER SINKING FORK	CATCH BASIN

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571469	07/14/06 8:30 PM	PAULA BYRD	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	07/15/06 06:20 AM

Spot Inspections:

Discharge Amount:	637,700 GAL
Cause:	SET PUMPS TO ALLEVIATE PROPERTY DAMAGE AND FLOODING DURING A SIGNIFICANT RAIN
Clean Up:	RAIN EVENT RELATED, CLEANUP NOT FEASIBLE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS.
Impact:	STORM WATER PUMPED TO THE CREEK.
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

07/15/06 01:40 AM	FAXED INFORMATION TO MR. DILLON AT 502-607-1614
06/15/06 04:30 PM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST		
Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590478	Initiated 09/23/06 12:05 AM	Initiated By CONNIE MILLER	Problem PUMPED OVERFLOW	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/25/06 05:30 AM

Spot Inspections:

Discharge Amount:	3,514,500 GAL
Cause:	PUMPS PLACED DURING SEVERE RAIN EVENT APPROACHING 500-YEAR STORM MAGNITUDE WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN LOUISVILLE METRO AREA
Clean Up:	MSD CLEANED THE AREA AROUND THE DISCHARGE SITE ONCE THE RAIN SUBSIDED.
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	STORM WATER WAS PUMPED TO THE CREEK
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 11:02 AM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590484	09/23/06 4:28 AM	CONNIE MILLER	PUMPED OVERFLOW	DISCHARGE TO WATERS OF THE US	09/24/06 04:50 PM

Spot Inspections:

Discharge Amount:	2,394,200 GAL
Cause:	PUMPS PLACED DURING SEVERE RAIN EVENT APPROACHING 500-YR STORM MAGNITUDE WHICH CAUSED SYSTEM OVERLOADED AND SEVERAL FLOODING IN LOUISVILLE METRO AREA
Clean Up:	MSD CLEANED THE AREA AROUND THE DISCHARGE SITE
Control Zone:	MSD SET BARRICADES AND TEMPORARY SIGNS ON THE PUMPS
Impact:	STORM WATER WAS PUMP TO THE CREEK
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/23/06 01:00 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 11:04 AM	CONTACTED THE DIVISION OF WATER



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	25012	4641 BEAVER RD		UPPER SINKING FORK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590590	09/23/06 3:22 AM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 02:50 PM

Spot Inspections:

Discharge Amount:	116,640 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	591428	09/22/06 11:30 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 01:05 PM

Spot Inspections:

Discharge Amount:	4,680 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	27005	1012 ALTA CIR		MIDDLE FORK BEARGRASS CREEK	GROUND

Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590598	Initiated 09/22/06 11:00 PM	Initiated By MICHAEL GRIFFITH	Problem FORCE MAJEURE EVENT	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/25/06 07:50 AM
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Spot Inspections:

Discharge Amount:	5,940,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	27009	2408 GRAY FOX RD		MIDDLE FORK BEARGRASS CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	591430	09/22/06 11:07 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 11:55 AM

Spot Inspections:

Discharge Amount:	972,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF THE 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	27010	2413 SPRING VALLEY LN		MIDDLE FORK BEARGRASS CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	591429	09/22/06 11:05 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 11:53 AM

Spot Inspections:

Discharge Amount:	927,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	30680	3420 FOUNTAIN DR		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590571	Initiated 09/23/06 2:22 AM	Initiated By MICHAEL GRIFFITH	Problem FORCE MAJEURE EVENT	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/24/06 10:50 AM
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Spot Inspections:

Discharge Amount:	10,800 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	44397	4000 FINCASTLE RD		SOUTH FORK BEARGRASS CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571686	07/14/06 9:55 PM	MICHAEL GRIFFITH	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	07/15/06 01:00 AM

Spot Inspections:

Discharge Amount:	9,720 GAL
Cause:	HEAVY RAIN
Clean Up:	RAIN EVENT RELATED - CLEANUP NOT FEASIBLE
Repair:	RAIN EVENT RELATED.

Notifications:

07/15/06 05:30 PM	CALLED KDOW: CONTACT PERSON OFFICER LANG - INCIDENT #20062101
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MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST		
Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590586	Initiated 09/22/06 12:50 PM	Initiated By MICHAEL GRIFFITH	Problem FORCE MAJEURE EVENT	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/25/06 08:05 AM

Spot Inspections:

Discharge Amount:	9,900 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590596	09/22/06 11:15 PM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 11:50 AM

Spot Inspections:

Discharge Amount:	527,040 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	49647	4315 PRUITT CT		SOUTH FORK BEARGRASS CREEK	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	590610	09/23/06 2:33 AM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 11:33 AM

Spot Inspections:

Discharge Amount:	1,701,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	49672	3603 BARDSTOWN RD		SOUTH FORK BEARGRASS CREEK	GROUND

Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 591423	Initiated 09/23/06 12:47 PM	Initiated By MICHAEL GRIFFITH	Problem FORCE MAJEURE EVENT	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/24/06 11:03 AM
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Spot Inspections:

Discharge Amount:	3,960 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	591434	09/23/06 4:57 AM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 03:00 PM

Spot Inspections:

Discharge Amount:	3,960 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED.
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP.
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE ; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MANITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

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

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	591392	09/23/06 2:29 AM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 11:35 AM

Spot Inspections:

Discharge Amount:	7,560,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	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>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571866	07/14/06 8:06 PM	MICHAEL GRIFFITH	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	07/15/06 08:00 AM

Spot Inspections:

Discharge Amount:	2,988,000 GAL
Cause:	HEAVY RAIN IN AREA.
Clean Up:	RAIN EVENT RELATED - CLEANUP NOT FEASIBLE.
Repair:	RAIN EVENT RELATED.

Notifications:

07/15/06 05:30 PM	CALLED KDOW CONTACT PERSON: OFFICER LANG - INCIDENT #20062101
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MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST		
Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 591395	Initiated 09/22/06 10:40 PM	Initiated By MICHAEL GRIFFITH	Problem FORCE MAJEURE EVENT	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/26/06 01:01 AM

Spot Inspections:

Discharge Amount:	19,173,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF YHIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS LOCATION IS IN MSD'S CAPITAL PLAN FOR ABATEMENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	78010	3801 HALE AVE			

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	591859	09/23/06 10:15 PM	PATRICIA REYNOLDS	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/23/06 10:15 PM

Spot Inspections:

Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA.
Clean Up:	MSD IS ASSISTING CLEANUP EFFORTS OF THOSE PROPERTY OWNERS WITH DOCUMENTED DAMAGES RELATED DIRECTLY TO THIS FLOOD EVENT IN THE AMOUNT OF \$500
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE
Repair:	THIS WAS A MAJOR STORM EVENT THAT APPROACHED A MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/26/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/26/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	CSO137	1258 ROYAL AVE		SOUTH FORK BEARGRASS CREEK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISDW: DRY WEATHER DISCHARGE	577599	08/04/06 2:02 PM	SHARON WINBURN	OBSTRUCTION-NOT GREASE / ROOTS	DISCHARGE TO WATERS OF THE US	08/04/06 02:58 PM

Spot Inspections:

Discharge Amount:	20 GAL
Cause:	DEBRIS OBSTRUCTION OF STICKS PLACED INTO THE GRATED MANHOLE LID
Clean Up:	WORK ORDER NO. 577604, MSD VACTORED THE DEBRIS OBSTRUCTION.
Impact:	DEBRIS OBSTRUCTION.
Repair:	WORK ORDER NO. 577606 FLUSHED AREA

Notifications:

08/04/06 02:02 PM	CONTACTED DOW.
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MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	CSO153	1201 LEXINGTON RD		SOUTH FORK BEARGRASS CREEK	STREAM

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISDW: DRY WEATHER DISCHARGE	574286	08/01/06 3:45 PM	SHARON WINBURN	OBSTRUCTION-NOT GREASE / ROOTS	DISCHARGE TO WATERS OF THE US	08/03/06 02:00 PM

Spot Inspections:

Discharge Amount:	500 GAL
Cause:	SIPHON #9 (ISOO9A-SI) BLOCKED WITH DEBRIS.
Clean Up:	MSD CLEANED THE AREA AROUND THE OVERFLOW SITE.
Repair:	MSD CLEANED THE SIPHON.

Notifications:

08/01/06 04:44 PM	CONTACTED THE DIVISION OF WATER
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MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0007-PS	334 MOCKINGBIRD VALLEY RD	MOCKINGBIRD VALLEY	MUDDY FORK BEARGRASS CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	580255	08/20/06 7:30 AM	THERESA SINGLETON	POWER OUTAGE (LG&E)	DISCHARGE TO WATERS OF THE US	08/20/06 07:45 AM

Spot Inspections:

Discharge Amount:	2,000 GAL
Cause:	LG&E POWER OUTAGE
Clean Up:	AREA RAKED AND DEBRIS HAULED
Control Zone:	SIGNS POSTED
Impact:	SOLIDS DISCHARGED TO CREEK DURING A RAIN EVENT.
Repair:	SUPPLIED GENERATOR POWER UNTIL LG&E REPAIRED.

Notifications:

08/20/06 08:00 AM	CONTACTED DOW.
08/20/06 09:00 AM	CONTACTED BOH.



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

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

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571631	07/14/06 9:00 PM	STEPHANIE MCFARLAND	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	07/15/06 05:00 AM

Spot Inspections:

Discharge Amount:	483,600 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	MSD CLEANED AREA OF DISCHARGE AS FEASIBLE.
Repair:	THIS LOCATION IS IN MSD CAPITAL PLAN FOR ABATEMENT.

Notifications:

07/17/06 09:15 AM	CALLED KDOW REPORTED DISCHARGE
07/17/06 09:16 AM	CALLED BOH REPORTED DISCHARGE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST		
Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590585	Initiated 09/22/06 11:00 PM	Initiated By JAMES PORTER JR	Problem FORCE MAJEURE EVENT	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/25/06 01:30 AM

Spot Inspections:

Discharge Amount:	9,486,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YR. MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA.
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW INITIATION OF CLEANUP EFFORTS.
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP.
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS.
Repair:	TIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YR. EVENT.

Notifications:

09/25/06 09:02 AM	BOH received recording. Notified DOW #20063002
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	592951	09/28/06 7:00 AM	THERESA SINGLETON	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/28/06 12:00 PM

Spot Inspections:

Discharge Amount:	372,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500YR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Cause:	A SEVERE RAIN EVENT APPROACHING 500YR MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA.
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED.
Control Zone:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CONTROL ZONE SET UP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS.
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED 500YR MAGNITUDE

Notifications:

09/28/06 12:59 PM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/28/06 12:59 PM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
10/05/06 09:07 AM	Both DOW & BOH were notified at the time of the event



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0024-PS	3733 CANOE LN	CANOE LANE	MUDDY FORK BEARGRASS CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	580259	08/20/06 7:30 AM	THERESA SINGLETON	POWER OUTAGE (LG&E)	DISCHARGE TO WATERS OF THE US	08/20/06 08:10 AM

Spot Inspections:

Discharge Amount:	900 GAL
Cause:	LG&E POWER OUTAGE DURING RAIN EVENT
Clean Up:	MSD CLEANED THE AREA AROUND THE DISCHARGE SITE.
Control Zone:	SIGNS POSTED
Impact:	SOLIDS TO CREEK DURING A RAIN EVENT.
Repair:	LG&E POWER RESTORED BEFORE WE HOOKED UP GENERATOR

Notifications:

08/20/06 07:59 AM	CONTACTED DOW.
08/20/06 07:59 AM	CONTACTED BOD.



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

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

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	589061	09/14/06 8:30 PM	PATRICK ELDER	MECHANICAL FAILURE	DISCHARGE TO WATERS OF THE US	09/14/06 08:35 PM

Spot Inspections:

Discharge Amount:	20,000 GAL
Cause:	MECHANICAL FAILURE OF BUBBLER LINE
Clean Up:	AREA RAKED & DEBRIS HAULED
Control Zone:	NOTIFICATION SIGNS POSTED AROUND AREA
Impact:	DEBRIS AROUND THE OVERFLOW AREA.
Repair:	BUBBLER LINE BEING REPLACED 9/15/2006 STATION WAS MANNED & OPERATED MANUALLY UNTIL REPAIRS COULD BE MADE.

Notifications:

09/15/06 07:44 AM	Called KDOW, Incident# 2006 2863 Mr. Lang
09/15/06 07:50 AM	Brought to MSD attention by Customer Service Request # 3138629
09/15/06 07:51 AM	Called BOH left message on answer machine
09/15/06 01:00 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
09/15/06 01:00 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE



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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST		
Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590588	Initiated 09/23/06 5:15 PM	Initiated By PATRICK ELDER	Problem FORCE MAJEURE EVENT	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/24/06 04:00 AM

Spot Inspections:

Discharge Amount:	3,500 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500YR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA.
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED.
Control Zone:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW FOR CONTROL ZONE SETUP.
Impact:	THE MAJORITY OF THIS THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS.
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500YR EVENT



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

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0057-LS	806 PINE WAY	ANCHOR ESTATES #2	MIDDLE FORK BEARGRASS CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590572	09/22/06 10:00 PM	PATRICK ELDER	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/22/06 11:30 PM

Spot Inspections:

Discharge Amount:	3,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500YR MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	AREA RAKED & DEBRIS HAULED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW FOR CONTROL ZONE SET UP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	HAULED EXCESS SEWAGE

Notifications:

09/22/06 10:00 PM	Paul Kustes faxed information to KDOW officer Dillon 9/24/2006
09/22/06 10:00 PM	Paul Kustes called BOH & left message on answer machine 9/24/2006



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

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

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0080-PS	4010 BELLS LN	SOUTHWESTERN	PADDY RUN	GROUND

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISDW: DRY WEATHER DISCHARGE	571873	07/17/06 1:15 PM	STEPHANIE MCFARLAND	POWER OUTAGE (LG&E)	DISCHARGE TO WATERS OF THE US	07/17/06 03:30 PM

Spot Inspections:

Discharge Amount:	3,400,000 GAL
Cause:	LOSS OF POWER TO THE STATION.
Clean Up:	MSD CLEANED AREA OF DISCHARGE AS FEASIBLE.
Control Zone:	THE MAGNITUDE OF THE EVENT DID NOT ALLOW FOR CONTROL ZONE SETUP.
Impact:	SEWAGE TO WATERBODY UNTIL POWER RESTORED.
Repair:	POWER WAS RESTORED TO THE STATION.

Notifications:

07/18/06 08:52 AM	CALLED IN KDOW REPORTED DISCHARGE
07/18/06 08:52 AM	CALLED BOH REPORTED DISCHARGE



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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0183-PS	3450 WOODSIDE RD	GLENVIEW HILLS PS	OHIO RIVER	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571683	07/14/06 9:10 PM	STEPHANIE MCFARLAND	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	07/15/06 12:30 AM

Spot Inspections:

Discharge Amount:	43,000 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	MSD SPREAD LIME AROUND THE OVERFLOW LOCATION.
Control Zone:	SIGNS ARE POSTED AT THE FACILITY.
Impact:	SEWAGE TO DITCVH DURING RAIN EVENT.
Repair:	MSD HAULED 3500 GALLONS (WORK ORDER #571684) OF SEWAGE TO AVOID ADDITIONAL DISCHARGES.

Notifications:

07/17/06 12:47 PM	CALLED KDOW REPORTED DISCHARGE
07/17/06 12:48 PM	CALLED BOH REPORTED DISCHARGE



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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST
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Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590591	09/23/06 5:30 PM	THERESA SINGLETON	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 01:45 AM

Spot Inspections:

Discharge Amount:	12,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500YR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	AREA RAKED & DEBRIS HAULED
Control Zone:	SET UP SIGNS IN AREA FOR NOTIFICATION
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500YR EVENT

Notifications:

09/23/06 05:30 PM	Paul Kustes faxed KDOW info to officer Dillon 9/23/2006
09/23/06 05:30 PM	Paul Kustes called BOH & left message on answering machine 9/23/2006



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

KPDES # KY0022411 (Cont'd)	Facility ID MSD0278	Treatment Plant Name MORRIS FORMAN	Receiving Stream of Treatment Plant OHIO RIVER	Region WEST	
Facility Type SLS Sewer Lift Station	Facility ID MSD0192-PS	Facility Address 4640 BARBOUR LN	If Pump Station, Name of Pump Station: BARBOUR LANE PS	Receiving Stream LITTLE GOOSE CREEK	Discharge to STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590546	09/23/06 10:00 PM	RANDOLPH KUSTES	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 02:00 AM

Spot Inspections:

Discharge Amount:	16,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500YR STORM MAGNITUDE OCCURED WHICH CAUSED A SYSTEM OVERLOAD & SEVERE FLOODING IN THE LOUISVILLE METRO AREA.
Clean Up:	THE AREA WAS RAKED AND LIME WAS SPREAD
Control Zone:	DUE TO THE MAGNITUDE OF THE STORM CONTROL ZONE WAS NOT SET UP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS.
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED A 500YR MAGNITUDE

Notifications:

09/23/06 10:00 PM	Paul Kustes faxed info to KDOW Officer Dillon
09/23/06 10:00 PM	Paul Kustes called BOH & left message on answer machine



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

KPDES # KY0093441	Facility ID MSD0285	Treatment Plant Name POLO FIELDS	Receiving Stream of Treatment Plant BRUSH RUN	Region EAST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SPL Sewer Treatment Plant	MSD0285	16724 POLO FIELDS LN			

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	571677	07/14/06 9:35 PM	STEPHANIE MCFARLAND	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	07/14/06 11:50 PM

Spot Inspections:

Discharge Amount:	20,000 GAL
Cause:	BAR SCREEN CLOGGED DURING A RAIN EVENT.
Clean Up:	MSD CLEANED THE AREA AND SPREAD LIME.
Control Zone:	SIGNS ARE POSTED AT THE FACILITY.
Impact:	SOLIDS DISCHARGED TO CREEK DURING A RAIN EVENT.
Repair:	MSD REMOVED THE DEBRIS FROM THE BAR SCREENS.

Notifications:

07/17/06 12:33 PM	CALLED KDOW REPORTED DISCHARGE
07/17/06 12:34 PM	CALLED BOH REPORTED DISCHARGE



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

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0089540	MSD0289	CEDAR CREEK	CEDAR CREEK	CENT

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28984	5410 SPRIGWOOD LN		CEDAR CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	591406	09/23/06 1:15 AM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 04:28 PM

Spot Inspections:

Discharge Amount:	21,600 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THISSTORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT BANKS.
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



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

KPDES # KY0089540 (Cont'd)	Facility ID MSD0289	Treatment Plant Name CEDAR CREEK	Receiving Stream of Treatment Plant CEDAR CREEK	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SMH Sewer Manhole	28998	5600 HOFELICH CT		CEDAR CREEK	GROUND

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	591419	09/23/06 1:20 AM	MICHAEL GRIFFITH	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 04:29 PM

Spot Inspections:

Discharge Amount:	21,600 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500 YEAR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITIATED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500 YEAR EVENT

Notifications:

09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



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

KPDES # KY0029106	Facility ID MSD0291	Treatment Plant Name HUNTING CREEK NORTH	Receiving Stream of Treatment Plant HARRODS CREEK	Region EAST
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Facility Type SLS Sewer Lift Station	Facility ID MSD1055-LS	Facility Address 6709 GUNPOWDER LN	If Pump Station, Name of Pump Station: GUNPOWDER PS	Receiving Stream HARRODS CREEK	Discharge to DITCH
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Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	571696	07/14/06 9:00 PM	STEPHANIE MCFARLAND	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	07/14/06 09:45 PM

Spot Inspections:

Discharge Amount:	9,000 GAL
Cause:	RAIN EVENT IN AREA
Clean Up:	MSD CLEANED THE AREA OF DISCHARGE AS FEASIBLE.
Control Zone:	SIGNS ARE POSTED AT FACILITY.
Impact:	SEWAGE TO DITCH DURING RAIN EVENT.
Repair:	RAIN EVENT RELATED

Notifications:

07/17/06 01:24 PM	CALLED KDOW REPORTED DISCHARGE
07/17/06 01:24 PM	CALLED BOH REPORTED DISCHARGE



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

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0029114	MSD0292	HUNTING CREEK SOUTH	HARRODS CREEK	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1062-LS	7804 DEEP TRAIL CT	DEEP TRAIL	HARRODS CREEK	STREAM

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISDW: DRY WEATHER DISCHARGE	577831	08/04/06 5:30 PM	LISA GAUS	STRUCTURAL FAILURE	DISCHARGE TO WATERS OF THE US	08/04/06 05:32 PM

Spot Inspections:

Discharge Amount:	200 GAL
Cause:	BAD TILT BULB ON NUMBER 2 PUMP.
Clean Up:	MSD CLEANED AND DISINFECTED THE AREA AROUND THE OVERFLOW SITE.
Control Zone:	MSD PLACED TEMPORARY SIGNAGE.
Impact:	DISCHARGE TO CREEK FROM PUMP STATION.
Repair:	MSD REPLACED THE TILT BULB ON NUMBER 2 PUMP.

Notifications:

08/04/06 10:34 PM	SPOKE WITH DOW INCIDENT NUMBER 20062340.
08/04/06 10:37 PM	LEFT MESSAGE ON BOH ANSWERING MACHINE.



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

KPDES # KY0029114 (Cont'd)	Facility ID MSD0292	Treatment Plant Name HUNTING CREEK SOUTH	Receiving Stream of Treatment Plant HARRODS CREEK	Region EAST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1063-PS	6210 DEEP CREEK CT	DEEP CREEK PS	HARRODS CREEK	DITCH

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590602	09/23/06 10:00 PM	THERESA SINGLETON	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 08:00 PM

Spot Inspections:

Discharge Amount:	10,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500TR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA.
Clean Up:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CLEANUP EFFORTS TO BE INITATED.
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS.
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500YR EVENT.

Notifications:

09/23/06 10:00 PM	Paul Kustes faxed info to KDOW officer Dillon 9/23/2006
09/23/06 10:00 PM	Paul Kustes called BOH & left message on answering machine 9/23/2006



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

KPDES # KY0102784	Facility ID MSD0294	Treatment Plant Name FLOYDS FORK	Receiving Stream of Treatment Plant FLOYDS FORK	Region EAST
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD0165-PS	17009 OLDE COPPER CT	OLDE COPPER CT PS	FLOYDS FORK	DITCH

Activity Code / Description DISREV: RAIN EVENT DISCHARGE	WO # 590584	Initiated 09/22/06 11:00 PM	Initiated By THERESA SINGLETON	Problem FORCE MAJEURE EVENT	Resolution DISCHARGE TO WATERS OF THE US	Completed 09/23/06 04:00 PM
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Spot Inspections:

Discharge Amount:	4,000 GAL.
Cause:	A SEVERE RAIN EVENT APPROACHING 500YR STORM AMGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	AREA RAKED & DEBRIS HAULED
Control Zone:	PLACED SIGNS IN SURROUNDING AREA
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS.
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500YR EVENT

Notifications:

09/22/06 11:00 PM	Paul Kustes faxed info to KDOW to officer Dillon
09/22/06 11:00 PM	Paul Kustes called BOH & left message on answering machine



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

KPDES # KY0035211	Facility ID MSD0298	Treatment Plant Name WATTERSON WOODS WTP	Receiving Stream of Treatment Plant FERN CREEK	Region CENT
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Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1099-LS	8901 ZABEL WAY	ZABEL PS	FERN CREEK	DITCH

<u>Activity Code / Description</u>	<u>WO #</u>	<u>Initiated</u>	<u>Initiated By</u>	<u>Problem</u>	<u>Resolution</u>	<u>Completed</u>
DISREV: RAIN EVENT DISCHARGE	590589	09/23/06 12:30 AM	JAMES PORTER JR	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/24/06 10:00 PM

Spot Inspections:

Discharge Amount:	3,500 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING A 500YR STORM MAGNITUDE OCCURED WHICH CAUSED SYS. OVERLOAD & SEVERE FLOODING IN THE LOUISVILLE METRO AREA
Clean Up:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW INITIATION OF CLEANUP EFFORTS.
Control Zone:	THE MAGNITUDE OF THIS STORM DID NOT ALLOW FOR CONTROL ZONE SETUP
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THEIR BANKS.
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500YR EVENT

Notifications:

09/25/06 09:09 AM	Recording at BOH Notified DOW #20063002
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/25/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0035211 (Cont'd)	MSD0298	WATTERSON WOODS WTP	FERN CREEK	CENT

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	592766	09/28/06 4:00 AM	JAMES PORTER JR	LACK OF SYSTEM CAPACITY	DISCHARGE TO WATERS OF THE US	09/28/06 08:30 PM

Spot Inspections:

Discharge Amount:	1,000 GAL
Cause:	STORM FLOW
Clean Up:	AREA WAS WASHED DOWN.
Control Zone:	SIGNS ARE POSTED AT THE FACILITY.
Impact:	SEWAGE DISCHARGED TO DITCH DURING RAIN A EVENT.
Repair:	RAIN EVENT RELATED.

Notifications:

09/28/06 12:59 AM	Email notification of unauthorized discharge sent to email_address@webserver.com...TEST ONLY PLEASE IGNORE
09/28/06 12:59 AM	Email notification of unauthorized discharge sent to email_address1@webserver.com...TEST ONLY PLEASE IGNORE
10/02/06 12:53 PM	DOW & BOH were both notified at the time of the discharge



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124
Discharge Report
Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

KPDES #	Facility ID	Treatment Plant Name	Receiving Stream of Treatment Plant	Region
KY0042226	MSD0403	LAKE FOREST	CHENOWETH RUN	EAST

Facility Type	Facility ID	Facility Address	If Pump Station, Name of Pump Station:	Receiving Stream	Discharge to
SLS Sewer Lift Station	MSD1173-PS	14711 FOREST CREEK WAY	ARNOLD PALMER		

Activity Code / Description	WO #	Initiated	Initiated By	Problem	Resolution	Completed
DISREV: RAIN EVENT DISCHARGE	590560	09/22/06 11:30 PM	THERESA SINGLETON	FORCE MAJEURE EVENT	DISCHARGE TO WATERS OF THE US	09/23/06 08:50 AM

Spot Inspections:

Discharge Amount	20,000 GAL
Cause:	A SEVERE RAIN EVENT APPROACHING 500YR STORM MAGNITUDE OCCURED WHICH CAUSED SYSTEM OVERLOAD AND SEVERE FLOODING IN THE LOUISVILLE METRO AREA.
Cause:	LG&E POWER LOSS IN AREA
Clean Up:	AREA RAKED & DEBRIS HAULED
Control Zone:	THE MAGNITUDE OF THE STORM DID NOT ALLOW CONTROL ZONE SETUP.
Impact:	THE MAJORITY OF THIS OVERFLOW CONSISTED PRIMARILY OF STORMWATER WITH SOME SEWAGE; MANY AREA CREEKS LEFT THIR BANKS.
Repair:	THIS WAS A MAJOR STORM THAT APPROACHED THE MAGNITUDE OF A 500YR EVENT
Repair:	LG&E POWER RESTORED

Notifications:

09/22/06 11:30 PM	Paul Kustes Faxed info to KDOW officer Dillon 9/23/2006
09/22/00 11:30 PM	Paul Kustes called BOH & left mesage on answer machine 9/23/2006



MSD Louisville and Jefferson County
Metropolitan Sewer District

IMS0124

Discharge Report

Jul 01, 2006 12:00 AM thru Sep 30, 2006 11:59 PM

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

Total Facilities Printed: 65



MSD

Louisville and Jefferson County
Metropolitan Sewer District

Quarterly Report Number 4
October 30, 2006

APPENDIX B

CSO AAOV and Flow Monitoring

Note: The AAOV information was developed utilizing XP-SWMM. The flow monitoring information is from permanent flow monitors.

**SUMMARY OF WET WEATHER OVERFLOW DISCHARGES
STATUS THROUGH DECEMBER 2003**

CSO NO.	CSO NAME	LOCATION	RECEIVING STREAM	NUMBER OF OVERFLOW INCIDENTS (NO./YR)	AVG. DURATION OF OVERFLOW (HRS)	AVG VOLUME PER INCIDENT (1000 G/INCIDENT)	STATUS	
OHIO RIVER WATERSHED								
015	SOUTHWESTERN PS	BELLS LN & I-264	OR	39	7.46	21,660	ACTIVE	
016	MILES PARK BYPASS	S OF 45th & WINNROSE	OR	0	0.00	0	ACTIVE	
019	34th STREET PS	34th & RUDD	OR	49	5.02	1,940	ACTIVE	
020	BUCHANAN PS	BUCHANAN & FRANKLIN	OR	41	3.65	980	ACTIVE	
022	FOURTH ST PS	FOURTH & MAIN	OR	13	1.15	570	ACTIVE	
023	ORI @ 4th ST PS	FOURTH & MAIN	OR	3	1.33	280	ACTIVE	
026	CRD 6th & BROADWAY	6th & BROADWAY	OR	0	0.00	0	ACTIVE	
027	CRD 7th & BROADWAY	7th & BROADWAY	OR	0	0.00	0	ACTIVE	
028	CRD 6th & YORK	6TH & YORK	OR	4	1.00	20	ACTIVE	
029	CRD 8th & YORK	8th & YORK	OR	24	1.50	120	ACTIVE	
030	CRD 9th & YORK "A"	9th & YORK	OR	17	1.17	80	ACTIVE	
031	CRD 6th & BRECKINRIDGE	6th & BRECKINRIDGE	OR	0	0.00	0	ACTIVE	
032	CRD 4th & BRECKINRIDGE	4th & BRECKINRIDGE	OR	0	0.00	0	ACTIVE	
033	CRD ON YORK E OF 4th	ON YORK E OF 4th	OR	2	1.00	6	ACTIVE	
034	CRD 4th & YORK	4th & YORK	OR	35	1.82	40	ACTIVE	
035	CRD 2nd & BROADWAY NO 1	2nd & BROADWAY	OR	0	0.00	0	ACTIVE	
036	CRD 3rd & BROADWAY	3rd & BROADWAY	OR	12	1.08	20	ACTIVE	
038	CRD 5th & BROADWAY	5th & BROADWAY	OR	2	1.00	2	ACTIVE	
049	PRESTON ST	PRESTON N OF JACKSON	OR			Eliminated	ELIMINATED	CSO Plugged
050	12th STREET	12th ST N OF MAIN	OR	34	4.23	200	ACTIVE	
051	11th STREET	11th ST N OF MAIN	OR	9	1.11	40	ACTIVE	
052	10th STREET	10th ST N OF MAIN	OR	8	1.25	60	ACTIVE	
053	8th STREET	8th ST N OF MAIN	OR	32	1.75	170	ACTIVE	
054	7th STREET	7th ST N OF MAIN	OR	18	2.38	50	ACTIVE	
055	6th STREET	6th ST N OF MAIN	OR	18	1.33	150	ACTIVE	
056	5th STREET	5th ST N OF MAIN	OR	33	2.93	130	ACTIVE	
057	FIRST STREET OVFL WEIR	1st & MAIN	OR	0	0.00	0	ACTIVE	
058	PRESTON ST OVFL WEIR	PRESTON & MAIN	OR	22	2.36	230	ACTIVE	
062	LOGAN COMPANY	N OF BUCHANAN PS	OR	47	9.74	1,030	ACTIVE	
104	SW PKWY SEWER @ BROADWAY	SW PKWY & BROADWAY	OR	21	1.90	290	ACTIVE	
105	WESTERN OUTFALL @ BROADWAY	BROADWAY @ SW PKWY	OR	82	6.26	4,280	ACTIVE	
150	8th ST @ COMMON PLACE	8th ST & COMMON PLACE	OR	49	2.42	80	ACTIVE	
155	ROWAN ST @ 12th ST	ROWAN & 12th	OR	4	1.25	10	ACTIVE	
156	6th & WASHINGTON SAN DIV	WASHINGTON W OF 6th	OR	0	0.00	0	ACTIVE	
160	SEWER IN ALLEY SAN DIV	1ST ST BTW MAIN & MARKET	OR	22	1.45	10	ACTIVE	
161	MARKET ST SAN DIV	FIRST & MARKET	OR	16	2.31	10	ACTIVE	
172	ADAMS STREET	ADAMS ST & I-64	OR	14	1.21	10	ACTIVE	
178	CRD 9th & YORK "B"	9th & YORK	OR	5	1.00	20	ACTIVE	

**SUMMARY OF WET WEATHER OVERFLOW DISCHARGES
STATUS THROUGH DECEMBER 2003**

CSO NO.	CSO NAME	LOCATION	RECEIVING STREAM	NUMBER OF OVERFLOW INCIDENTS (NO./YR)	AVG. DURATION OF OVERFLOW (HRS)	AVG VOLUME PER INCIDENT (1000 G/INCIDENT)	STATUS	
181	CRD 2nd & BROADWAY NO 2	2nd & BROADWAY	OR	14	1.21	20	ACTIVE	
189	NORTHWESTERN SAN DIV	SHAWNEE PARK FLOOD PS	OR	54	8.59	10,240	ACTIVE	
190	SEVENTEENTH ST SAN DIV	17th ST & NW PKWY	OR	36	3.52	290	ACTIVE	
191	ALGONQUIN PKWY SAN DIV	SOUTHWESTERN PS	OR	14	1.21	290	ACTIVE	
192	CRD S 6th & GARLAND	6th & GARLAND	OR	14	1.21	10	ACTIVE	
193	CRD S 6th & KENTUCKY	6th & KENTUCKY	OR	14	1.21	10	ACTIVE	
194	CRD S OAK W OF 4th	OAK ST W OF 4th ST	OR	0	0.00	0	ACTIVE	
195	CRD S 4th & OAK	4th & OAK	OR	0	0.00	0	ACTIVE	
196	CRD S 3rd & OAK	3rd & OAK	OR	58	3.22	20	ACTIVE	
197	CRD S 3rd S OF OAK	3rd ST S OF OAK ST	OR	33	1.81	10	ACTIVE	
198	CRD S 3rd & ORMSBY	3rd & ORMSBY	OR	57	2.66	30	ACTIVE	
199	CRD S 3rd N OF MAGNOLIA	3rd ST N OF MAGNOLIA	OR	11	1.18	1	ACTIVE	
200	CRD S 3rd & MAGNOLIA	3rd & MAGNOLIA	OR	31	1.54	8	ACTIVE	
201	CRD S 5th & KENTUCKY	5th & KENTUCKY	OR	27	2.70	10	ACTIVE	
202	CRD S ORMSBY W OF 3rd	ORMSBY W OF 3rd ST	OR	19	1.15	4	ACTIVE	
203	CRD S 4th & ORMSBY	4th & ORMSBY	OR	0	0.00	0	ACTIVE	
204	CRD S 5th & BRECKINRIDGE	5th & BRECKINRIDGE	OR			Eliminated	ELIMINATED	CSO Plugged - 5/19/00
207	2nd & JEFFERSON	2ND & JEFFERSON	OR	0	0.00	0	ACTIVE	
208	12th & JEFFERSON	12th & JEFFERSON	OR	0	0.00	0	ACTIVE	
210	45th STREET-GREENWOOD	S OF 45th & WINNROSE	OR	54	3.96	390	ACTIVE	
211	MAIN DIVERSION STRUCTURE	WAYNE SUPPLY	OR	43	5.72	11,900	ACTIVE	

**SUMMARY OF WET WEATHER OVERFLOW DISCHARGES
STATUS THROUGH DECEMBER 2003**

CSO NO.	CSO NAME	LOCATION	RECEIVING STREAM	NUMBER OF OVERFLOW INCIDENTS (NO./YR)	AVG. DURATION OF OVERFLOW (HRS)	AVG VOLUME PER INCIDENT (1000 G/INCIDENT)	STATUS	
BEARGRASS CREEK WATERSHED								
018	NIGHTINGALE PS	NIGHTINGALE & SFBGC	SF BGC	1	29.00	640	ACTIVE	
065	LAMPTON STREET	LAMPTON & SWAN	SF BGC			Eliminated	ELIMINATED	CSO Plugged
080	PAYNE STREET	LEXINGTON RD W OF PAYNE	MF BGC			Eliminated	ELIMINATED	Sewers Separated
081	LETTERLE	LETTERLE @ BGC PS	SF BGC			Eliminated	ELIMINATED	CSO Plugged
082	BGI AT BGC	BGC @ OMFT	SF BGC	12	1.25	40	ACTIVE	
083	BRENT ST & BROADWAY CONNECT	BRENT & BROADWAY	SF BGC	36	1.86	70	ACTIVE	
084	BRENT ST @ BGC	BRENT ST @ BGC	SF BGC	15	1.20	140	ACTIVE	
086	PAYNE AT SPRING	PAYNE ST @ SPRING ST	MF BGC	0	0.00	0	ACTIVE	
087	BLUEHORSE	FRANKFORT @ BLUEHORSE	SF BGC			Eliminated	ELIMINATED	CSO Plugged
088	MELLWOOD AVE INT	BROWNSBORO RD @ BGC	SF BGC	0	0.00	0	ACTIVE	Sewers Separated
091	SCHILLER AVE OVFL	SCHILLER & HIGHLAND	SF BGC	3	1.33	20	ACTIVE	
092	ST CATHERINE @ BGC	SCHILLER BTW KY & ST CATHERINE	SF BGC	2	1.00	15	ACTIVE	
093	SPRING STREET	SPRING ST N OF MELLWOOD	SF BGC	0	0.00	0	ACTIVE	
097	CANTONMENT SIPHON NO 2	BGC S OF EASTERN PKWY	SF BGC	56	6.98	880	ACTIVE	
106	ROYAL - NEFF	BACKYARD OF 1212 ROYAL	SF BGC	11	1.09	10	ACTIVE	
108	REG NO 1 - NEWBURG	NEWBURG @ TREVILIAN	SF BGC	34	2.17	1,160	ACTIVE	
109	REG NO 2 - DEER PARK	BEHIND O. L. O. P.	SF BGC	19	1.15	150	ACTIVE	
110	REG NO 3 - GOSS AVE	BGC S OF EASTERN PKWY	SF BGC	32	1.90	120	ACTIVE	
111	EMERSON STREET SEWER	BGC N OF EASTERN PKWY	SF BGC	39	2.74	240	ACTIVE	
113	ELLISON AVENUE SEWER	ELLISON & SCHILLER	SF BGC	46	5.13	170	ACTIVE	
117	REG NO 11 - DRY RUN	LOGAN & CALDWELL	SF BGC	37	3.02	2,230	ACTIVE	
118	REG NO 15 - E BRDWAY	BROADWAY W OF BGC	SF BGC	64	7.29	2,650	ACTIVE	
119	BRENT STREET SEWER	BGC N OF BROADWAY	SF BGC	27	1.62	80	ACTIVE	
120	PHOENIX HILL SEWER	E OF BGC & S OF BAXTER	SF BGC	24	1.50	180	ACTIVE	
121	REG NO 18 - GREEN ST	LEXINGTON RD W OF BGC	SF BGC	23	1.39	130	ACTIVE	
123	REG NO 20 - RUTH-SULGRV	ON BGC OP SPRING VALLEY	MF BGC			Eliminated	ELIMINATED	CSO Plugged
125	REG NO 24 - GRINSTEAD DR	GRINSTEAD @ I-64	MF BGC	30	7.16	610	ACTIVE	
126	REG NO 26 - RAYMOND AVE	I-64 & SAUNDERS LN	MF BGC	6	1.16	40	ACTIVE	
127	ETLEY AVENUE	LEXINGTON RD OP ETLEY	MF BGC	29	1.86	450	ACTIVE	
130	WEBSTER STREET	S OF STORY OP WEBSTER	SF BGC	26	3.53	250	ACTIVE	
131	REG NO 33 - MELWD & FRANKFORT	FRANKFORT AVE @ BGC	SF BGC	3	1.33	70	ACTIVE	
132	REG NO 35 - BROWNSBORO	BROWNSBORO & DRESCHER B	MudF BGC	64	6.62	1,830	ACTIVE	
137	CALVARY CEMETARY	CALVARY CEMETARY @ BGC	SF BGC	19	1.63	50	ACTIVE	
140	LOCUST STREET	LOCUST SW OF SPRING	MF BGC	28	1.92	180	ACTIVE	
141	BAXTER AVE @ BGC	BAXTER AVE & BGC	SF BGC	0	0.00	0	ACTIVE	
142	SBR LOGAN ST @ ST CATHERINE	LOGAN & ST CATHERINE	SF BGC	N/A	N/A	N/A	ACTIVE	
143	KENTUCKY STREET BLOW-OFF	OAK & BGC	SF BGC			Eliminated	ELIMINATED	Plugged-CSO not needed

**SUMMARY OF WET WEATHER OVERFLOW DISCHARGES
STATUS THROUGH DECEMBER 2003**

CSO NO.	CSO NAME	LOCATION	RECEIVING STREAM	NUMBER OF OVERFLOW INCIDENTS (NO./YR)	AVG. DURATION OF OVERFLOW (HRS)	AVG VOLUME PER INCIDENT (1000 G/INCIDENT)	STATUS	
144	VANCE ST REGULATOR	S END OF VANCE & I-64	MF BGC	27	3.70	20	ACTIVE	
145	POINT PUMP STATION	POINT PUMP STATION	SF BGC			Eliminated	ELIMINATED	CSO Plugged
146	SNEADS BRANCH DIVERSION	SWAN ST S OF BGC	SF BGC	51	6.72	1,790	ACTIVE	
147	SWAN STREET DIVERSION	SWAN ST N OF BGC	SF BGC	65	3.10	20	ACTIVE	Sewers Separated
148	EASTERN PKWY DIVERSION	EASTERN PKWY E OF BGC	SF BGC	12	1.16	20	ACTIVE	
149	DRY RUN DIVERSION	KENTUCKY STREET & ST PAUL CT	SF BGC	19	8.26	360	ACTIVE	
151	REG NO 5 - CASTLEWOOD	BGC & CASTLEWOOD DELL	SF BGC	64	7.40	2,240	ACTIVE	
152	REG NO 7 - SOUTHEASTERN	BGC & RUFER AVENUE	SF BGC	42	2.88	810	ACTIVE	
153	COOPER STREET	LEXINGTON & COOPER	SF BGC	53	3.37	130	ACTIVE	
154	MELLWOOD @ SCHOEFFEL	MELLWOOD AVE & EDWD POND BR	MudF BGC	12	1.33	120	ACTIVE	
162	BEALS BRANCH HW REG	ON MFT S OF LEXINGTON	MF BGC			Eliminated	ELIMINATED	Overflow Plugged
166	BEALS BRANCH SAN DIV	LEXINGTON RD & I-64	MF BGC	31	1.83	520	ACTIVE	
167	BROWNSBORO LAT NO 2	BROWNSBORO & DRESCHER B	MudF BGC	0	0.00	0	ACTIVE	
174	SBR GOSS & BOYLE	GOSS AVE & BOYLE ST	SF BGC	18.0	1.2	110	ACTIVE	
179	KENTUCKY ST SEWER OVFL	KENTUCKY ST & ST PAUL CT	SF BGC	14	1.21	6	ACTIVE	
180	SBR ORMSBY AVE RELIEF	ORMSBY & CLAY	SF BGC	0	0.00	0	ACTIVE	
182	SBR SHELBY & BURNETT	BURNETT W OF SHELBY ST	SF BGC	38	2.00	290	ACTIVE	
183	SBR ALEXANDER & KESWICK	ALEXANDER & KESWICK	SF BGC	0	0.00	0	ACTIVE	
184	SBR FETTER & ALEXANDER	FETTER & ALEXANDER	SF BGC	14	1.21	20	ACTIVE	
185	SBR SHELBY & KESWICK	SHELBY & KESWICK	SF BGC	23	1.34	50	ACTIVE	
186	SBR LOGAN & OAK	LOGAN & OAK	SF BGC	0	0.00	0	ACTIVE	
187	SBR SHELBY & CAMP	SHELBY & CAMP	SF BGC	0	0.00	0	ACTIVE	
188	SBR SHELBY & CLAY	SHELBY & CLAY	SF BGC	0	0.00	0	ACTIVE	
205	SBR MORGAN STREET RELIEF	MORGAN & HOERTZ	SF BGC	0	0.00	0	ACTIVE	
206	CHEROKEE PARK @ SPRING DR	CHEROKEE RD & SPRING DR	MF BGC	63	10.50	1,410	ACTIVE	
209	CHEROKEE PK @ PARK BD RD	CHEROKEE PK @ PARK BD RD	MF BGC			Eliminated	ELIMINATED	Sewers Separated

TOTAL ACTIVE CSOs = 111

Notes:

This information was developed through computer model simulations processed on March 10, 2004. It is NOT measured data.

The rainfall data utilized as input was an average rainfall year developed through a statistical analysis evaluating 54 years of rainfall data (1948 to 2002) for Jefferson County, KY.

The model simulation was done assuming the peak capacity at MFWTP equal to 350 mgd. However, sustainability of 350 mgd has not yet been proven.

Summary updated to show the elimination of CSO 209 (closed 9/30/05), CSO 81 (closed 9/07/06), and CSO 87 (closed 9/18/06).

OR - Ohio River

SF-BGC - South Fork of Beargrass Creek

MF-BGC - Middle Fork of Beargrass Creek

L-BGC - Lower Beargrass Creek

SBR - Sneads Branch Relief Sewer

CRD - Central Relief Drain

CSO Eliminate

Sewer Separated

July 1, 2006 through September 30, 2006

	CSO #019	CSO #088	CSO #108	CSO #108	CSO #110	CSO #117	CSO #118	CSO #127	CSO #140	CSO #151	CSO #152	CSO #182	CSO #189	CSO #190	CSO #191	CSO #206	CSO #211
Date	Time	Flow	Flow	# 1 Flow	# 2 Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
July 1, 2006	0:00	0.000	0.000				0.000			0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	1:00	0.000	0.000				0.000			0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	2:00	0.000	0.000				0.000			0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	3:00	0.000	0.000				0.000			0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	4:00	0.000	0.000			0.000	0.000			0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	5:00	0.000	0.000			0.000	0.000			0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	6:00	0.000	0.000			0.000	0.000			0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	7:00	0.000	0.000			0.000	0.000			0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	8:00	0.000	0.000			0.000	0.000			0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	9:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	10:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	11:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	12:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	13:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	14:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	15:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	16:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 1, 2006	17:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	0:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	1:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	2:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	3:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	4:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	5:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	6:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	7:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	8:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	9:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	10:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	11:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	12:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	13:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	14:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	15:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	16:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	17:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	18:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	19:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	20:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	21:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	22:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 2, 2006	23:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 3, 2006	0:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 3, 2006	1:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 3, 2006	2:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 3, 2006	3:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 3, 2006	4:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 3, 2006	5:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 3, 2006	6:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 3, 2006	7:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000
July 3, 2006	8:00	0.000	0.000			0.000	0.000	0.000		0.000	0.000	0.000		0.000	0.000		0.000

Louisville MSD Flow Monitoring Data

July 1, 2006 through September 30, 2006

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #108 # 1 Flow	CSO #108 # 2 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #127 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #211 Flow
July 3, 2006	9:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	10:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	11:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	12:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	13:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	14:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	15:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	16:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	17:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	18:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	19:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	20:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	21:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	22:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 3, 2006	23:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	0:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	1:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	2:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	3:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	4:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	5:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	6:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	7:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	8:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	9:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	10:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	11:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	12:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	13:00	0.000	0.000			0.119	0.000		0.000	1.252	0.362	2.415		0.000	0.000		0.950	0.000
July 4, 2006	14:00	19.820	0.000			4.682	0.000		0.000	5.938	0.424	1.413		0.000	8.665		0.061	0.000
July 4, 2006	15:00	3.427	0.000			0.192	12.757		0.000	0.145	0.824	3.791		0.000	0.000		6.136	0.000
July 4, 2006	16:00	0.000	0.000			0.144	0.217		0.000	0.000	0.185	0.013		0.000	0.000		0.000	0.000
July 4, 2006	17:00	0.000	0.000			0.068	0.000		0.000	0.000	0.103	0.000		0.000	0.000		0.000	0.000
July 4, 2006	18:00	0.000	0.000			0.278	0.000		0.000	0.000	0.767	0.464		0.000	1.897		0.125	0.000
July 4, 2006	19:00	2.631	0.000			0.029	0.463		0.000	0.000	0.522	0.446		1.682	0.001		0.138	0.000
July 4, 2006	20:00	0.000	0.000			0.022	0.000		0.000	0.000	0.069	0.000		0.000	0.005		0.000	0.000
July 4, 2006	21:00	0.000	0.000			0.001	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	22:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 4, 2006	23:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	0:00	0.000	0.000			0.000	0.000		0.000	0.000	0.238	0.527		0.000	0.000		0.025	0.000
July 5, 2006	1:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.108		0.000	0.000		0.000	0.000
July 5, 2006	2:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	3:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	4:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	5:00	0.000	0.000			0.000	0.000		0.000	0.000	0.197	0.604		0.000	0.000		0.028	0.000
July 5, 2006	6:00	0.000	0.000			0.092	0.000		0.000	0.000	1.280	1.016		0.000	0.000		1.066	0.000
July 5, 2006	7:00	1.166	0.000			1.226	0.118		0.000	0.000	0.844	0.499		0.000	4.027		0.016	0.000
July 5, 2006	8:00	22.307	0.000			0.772	13.406		0.000	1.781	3.921	6.859		18.564	7.836		3.427	0.000
July 5, 2006	9:00	5.065	0.000			0.057	1.601		0.000	0.000	0.874	0.704		5.011	0.089		0.134	0.000
July 5, 2006	10:00	0.000	0.000			0.040	0.000		0.000	0.000	0.506	0.000		0.000	0.000		0.000	0.000
July 5, 2006	1:00	0.000	0.000			0.010	0.000		0.000	0.000	0.230	0.000		0.000	0.000		0.000	0.000

July 1, 2006 through September 30, 2006

		CSO #019	CSO #088	CSO #108	CSO #108	CSO #110	CSO #117	CSO #118	CSO #127	CSO #140	CSO #151	CSO #152	CSO #182	CSO #189	CSO #190	CSO #191	CSO #206	CSO #211
Date	Time	Flow	Flow	# 1 Flow	# 2 Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
July 5, 2006	12:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	13:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	14:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	15:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	16:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	17:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	18:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	19:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	20:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	21:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	22:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 5, 2006	23:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	0:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	1:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	2:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	3:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	4:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	5:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	6:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	7:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	8:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	9:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	10:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	11:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	12:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	13:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	14:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	15:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	16:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	17:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	18:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	19:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	20:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	21:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	22:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 6, 2006	23:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	0:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	1:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	2:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	3:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	4:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	5:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	6:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	7:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	8:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	9:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	10:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	11:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	12:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	13:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 7, 2006	14:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000

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Louisville MSD Flow Monitoring Data

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Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #108 # 1 Flow	CSO #108 # 2 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #127 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #211 Flow
July 11, 2006	21:00	0.000	0.000			0.020	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 11, 2006	22:00	0.000	0.000			0.014	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 11, 2006	23:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	0:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	1:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	2:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	3:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	4:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	5:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.002		0.000	0.000
July 12, 2006	6:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	7:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	8:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	9:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	10:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	11:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000		0.000	0.000		0.000	0.000
July 12, 2006	12:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.143		0.000	0.177		0.041	0.000
July 12, 2006	13:00	3.975	0.000			0.000	0.000		0.000	0.000	0.000	0.352		0.157	0.260		0.148	0.000
July 12, 2006	14:00	0.388	0.000			0.734	0.000		0.000	0.000	0.093	0.000		0.000	0.000		0.000	0.000
July 12, 2006	15:00	0.000	0.000			0.040	0.000		0.000	0.000	0.000	0.212	0.000	0.000	0.000		3.477	0.000
July 12, 2006	16:00	0.000	0.000			0.020	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 12, 2006	17:00	0.000	0.000			0.008	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 12, 2006	18:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 12, 2006	19:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 12, 2006	20:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 12, 2006	21:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 12, 2006	22:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 12, 2006	23:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	0:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	1:00	0.000	0.000			0.065	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	2:00	0.000	0.000			0.145	0.000		0.000	0.000	0.019	0.900	0.000	0.000	0.000		1.546	0.000
July 13, 2006	3:00	0.000	0.000			0.034	0.000		0.000	0.000	0.000	0.622	0.000	0.000	0.000		0.020	0.000
July 13, 2006	4:00	0.000	0.000			0.029	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.034	0.000
July 13, 2006	5:00	20.353	0.000			0.497	0.000		0.000	0.006	0.000	0.015	0.000	9.902	2.195		0.547	0.000
July 13, 2006	6:00	2.864	0.000			0.014	0.000		0.000	0.000	0.000	0.000	0.000	0.999	0.000		0.000	0.000
July 13, 2006	7:00	0.000	0.000			0.011	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	8:00	0.000	0.000			0.010	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	9:00	0.000	0.000			0.013	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	10:00	0.000	0.000			0.253	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	11:00	0.000	0.000			0.024	0.000		0.000	0.000	0.000	0.068	0.000	0.000	0.000		0.142	0.000
July 13, 2006	12:00	0.000	0.000			0.016	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	13:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	14:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	15:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	16:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	17:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	18:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	19:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	20:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	21:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	22:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 13, 2006	3:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000

Louisville MSD F Monitoring Data

July 1, 2006 through September 30, 2006

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #108 # 1 Flow	CSO #108 # 2 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #127 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #211 Flow
July 14, 2006	0:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	1:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	2:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	3:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	4:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	5:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	6:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	7:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	8:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	9:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	10:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	11:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	12:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	13:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	14:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	15:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	16:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	17:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	18:00	0.000	0.000			0.181	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 14, 2006	19:00	80.661	0.000			5.545	15.066		0.000	3.231	6.213	8.669	0.000	115.702	12.928		11.104	0.000
July 14, 2006	20:00	84.220	0.000			0.914	30.003		0.000	8.568	0.472	7.784	0.000	137.863	14.705		17.504	0.000
July 14, 2006	21:00	16.242	0.000			0.927	2.375		0.000	1.939	0.000	1.026	0.000	12.888	0.000		0.000	0.000
July 14, 2006	22:00	5.343	0.000			0.264	0.292		0.000	2.825	0.000	0.379	0.000	2.812	0.000		0.000	0.000
July 14, 2006	23:00	2.864	0.000			0.261	0.000		0.000	3.095	0.000	0.000	0.000	0.004	0.000		0.000	0.000
July 15, 2006	0:00	3.037	0.000			0.018	0.000		0.000	3.176	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	1:00	2.569	0.000			0.015	0.000		0.000	3.560	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	2:00	2.023	0.000			0.010	0.000		0.000	3.226	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	3:00	1.992	0.000			0.006	0.000		0.000	2.127	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	4:00	1.934	0.000			0.001	0.000		0.000	0.760	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	5:00	1.526	0.000			0.000	0.000		0.000	0.741	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	6:00	1.717	0.000			0.022	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	7:00	0.344	0.000			0.148	0.000		0.000	3.076	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	8:00	0.000	0.000			0.041	0.000		0.000	1.162	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	9:00	0.000	0.000			0.021	0.000		0.000	0.161	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	10:00	0.000	0.000			0.025	0.000		0.000	0.007	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	11:00	0.000	0.000			0.021	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	12:00	0.000	0.000			0.020	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	13:00	0.000	0.000			0.018	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	14:00	0.000	0.000			0.014	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	15:00	0.000	0.000			0.097	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	16:00	0.000	0.000			0.016	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	17:00	0.000	0.000			0.017	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	18:00	0.000	0.000			0.013	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	19:00	0.000	0.000			0.013	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	20:00	0.000	0.000			0.017	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	21:00	0.000	0.000			0.011	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	22:00	0.000	0.000			0.008	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 15, 2006	23:00	0.000	0.000			0.005	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 16, 2006	0:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
July 16, 2006	1:00	0.000	0.000			0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000

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		CSO #019	CSO #088	CSO #108	CSO #108	CSO #110	CSO #117	CSO #118	CSO #127	CSO #140	CSO #151	CSO #152	CSO #182	CSO #189	CSO #190	CSO #191	CSO #206	CSO #211
Date	Time	Flow	Flow	# 1 Flow	# 2 Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
August 8, 2006	10:00	0.000	0.000	0.000	0.000	0.000	0.000	1.684	0.000	0.000	0.065	1.029	0.550	0.000	0.000	0.052	0.000	0.000
August 8, 2006	11:00	0.010	0.000	0.000	0.000	0.000	1.535	8.400	0.181	0.000	0.231	1.633	0.269	0.000	0.160	0.000	0.000	0.000
August 8, 2006	12:00	2.338	0.000	0.000	0.000	0.000	0.577	3.543	0.311	0.000	0.149	0.879	0.202	0.071	0.000	0.000	0.000	0.000
August 8, 2006	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 8, 2006	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 8, 2006	15:00	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 8, 2006	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 8, 2006	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 8, 2006	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 8, 2006	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 8, 2006	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 8, 2006	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 8, 2006	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 8, 2006	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	11:00	11.511	0.000	0.635	0.478	0.000	12.372	38.559	2.441	2.126	0.856	1.636	0.485	10.977	14.218	2.301	0.000	0.000
August 9, 2006	12:00	75.437	0.000	1.293	1.516	0.000	18.416	48.830	1.945	4.206	0.597	2.792	0.517	102.778	17.509	3.922	0.000	0.000
August 9, 2006	13:00	7.810	0.000	0.000	0.000	0.000	0.820	1.791	0.006	0.000	0.000	0.145	0.000	7.457	0.000	0.000	0.000	0.000
August 9, 2006	14:00	1.446	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	15:00	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 9, 2006	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 10, 2006	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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		CSO #019	CSO #088	CSO #108	CSO #108	CSO #110	CSO #117	CSO #118	CSO #127	CSO #140	CSO #151	CSO #152	CSO #182	CSO #189	CSO #190	CSO #191	CSO #206	CSO #211
Date	Time	Flow	Flow	# 1 Flow	# 2 Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
August 27, 2006	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 27, 2006	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 27, 2006	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 27, 2006	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 27, 2006	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 27, 2006	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 27, 2006	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 27, 2006	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 27, 2006	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 27, 2006	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 27, 2006	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 27, 2006	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	2:00	0.000	0.000	0.500	0.193	0.000	0.000	0.000	0.097	0.000	1.276	0.000	0.000	0.000	2.064	1.851	0.000	0.000
August 28, 2006	3:00	9.079	0.000	0.946	0.344	0.000	0.000	0.663	0.819	2.350	0.264	3.029	0.537	1.521	7.017	0.000	0.000	0.000
August 28, 2006	4:00	1.316	0.000	0.000	0.000	0.000	0.000	0.003	0.000	0.000	0.010	0.094	0.000	0.138	0.000	0.000	0.000	0.001
August 28, 2006	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
August 28, 2006	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	7:00	1.091	0.000	0.000	0.000	0.000	0.000	5.045	0.000	0.000	0.612	0.404	0.000	0.000	3.391	0.000	0.000	0.004
August 28, 2006	8:00	11.183	0.000	1.621	0.548	0.000	11.561	24.840	3.102	4.028	1.818	10.068	0.524	5.913	2.142	0.141	32.545	28.311
August 28, 2006	9:00	15.752	0.501	1.474	0.760	0.000	20.950	50.703	15.332	7.551	4.886	7.771	0.207	13.264	13.929	0.596	118.900	141.568
August 28, 2006	10:00	9.650	0.000	0.522	0.174	0.000	7.404	9.162	0.254	0.650	0.332	1.581	0.257	8.479	0.454	0.000	45.879	271.727
August 28, 2006	11:00	0.205	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.014	0.000	0.000	0.035	0.000	0.000	0.000	63.668
August 28, 2006	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.394
August 28, 2006	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.184	0.000	0.072	2.703	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	16:00	0.000	0.000	0.000	0.000	0.000	0.143	0.000	0.042	0.000	0.000	0.351	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.024	0.000	0.000	0.000	0.996	0.356	0.000	0.000	0.000	0.000	0.000
August 28, 2006	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.034	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 28, 2006	23:00	0.000	0.000	0.000	0.000	0.000	2.682	19.308	0.166	1.782	0.263	2.002	0.000	0.000	2.333	0.000	0.000	0.037
August 29, 2006	0:00	3.633	0.000	0.000	0.000	0.000	3.442	9.677	0.462	0.493	0.000	2.884	0.000	0.768	1.097	0.002	0.000	0.045
August 29, 2006	1:00	0.403	0.000	0.000	0.000	0.000	0.000	0.015	0.000	0.000	0.000	0.018	0.000	0.000	0.000	0.000	0.000	0.167
August 29, 2006	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.111
August 29, 2006	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.019
August 29, 2006	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 29, 2006	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 29, 2006	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 29, 2006	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 29, 2006	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 29, 2006	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 29, 2006	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 29, 2006	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 29, 2006	12:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 29, 2006	13:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
August 29, 2006	14:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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Louisville MSD Flow Monitoring Data

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Date	Time	CSO #019	CSO #088	CSO #108	CSO #108	CSO #110	CSO #117	CSO #118	CSO #127	CSO #140	CSO #151	CSO #152	CSO #182	CSO #189	CSO #190	CSO #191	CSO #206	CSO #211
		Flow	Flow	# 1 Flow	# 2 Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
September 11, 2006	8:00	0.763	0.000	0.000	0.000	0.129	1.657	6.852	0.228	0.000	0.267	2.464	0.207	0.000	0.216	0.000	32.524	0.001
September 11, 2006	9:00	35.230	0.000	0.000	0.000	0.895	10.839	30.197	0.014	1.369	0.165	2.473	0.000	23.081	21.296	0.000	18.138	41.648
September 11, 2006	10:00	32.237	0.000	0.000	0.000	1.899	7.360	22.282	1.605	2.477	0.933	7.680	0.784	24.923	14.059	0.943	30.155	99.300
September 11, 2006	11:00	13.235	0.000	0.000	0.000	1.375	8.653	17.425	1.278	0.288	1.168	4.756	0.451	13.173	2.772	0.233	23.266	101.345
September 11, 2006	12:00	5.050	0.000	0.134	0.088	0.532	4.711	9.954	0.052	0.000	0.880	3.367	0.382	5.500	1.206	0.024	41.589	94.361
September 11, 2006	13:00	4.356	0.000	0.000	0.000	0.049	1.277	1.752	0.054	0.000	0.155	0.576	0.056	2.393	0.000	0.000	13.156	59.795
September 11, 2006	14:00	0.000	0.000	0.000	0.000	0.007	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	17.550
September 11, 2006	15:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.545
September 11, 2006	16:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.018
September 11, 2006	17:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 11, 2006	18:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 11, 2006	19:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 11, 2006	20:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 11, 2006	21:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 11, 2006	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 11, 2006	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	8.565	0.000
September 12, 2006	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	11:00	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.016	0.011	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	12:00	0.000	0.000	0.000	0.000	1.620	0.000	0.706	0.000	0.000	0.318	0.124	0.051	0.000	0.636	0.112	0.000	0.000
September 12, 2006	13:00	17.994	0.000	0.480	0.449	0.709	6.029	14.083	1.170	0.627	1.234	6.340	0.756	11.697	7.034	0.567	2.049	0.063
September 12, 2006	14:00	8.241	0.000	0.000	0.000	0.274	0.034	1.534	0.000	0.000	0.303	1.071	0.202	9.106	0.075	0.000	0.000	32.242
September 12, 2006	15:00	1.009	0.000	0.000	0.000	2.292	0.000	4.530	0.134	0.000	0.672	0.870	0.114	0.887	1.959	0.000	0.000	30.901
September 12, 2006	16:00	5.103	0.000	1.555	0.968	0.306	6.750	12.797	2.879	0.919	1.560	4.720	1.148	5.324	1.000	0.234	6.864	90.056
September 12, 2006	17:00	2.274	0.000	0.000	0.003	0.052	0.052	0.065	0.000	0.000	0.061	0.149	0.001	0.732	0.547	0.000	0.316	46.514
September 12, 2006	18:00	3.623	0.000	0.000	0.000	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.830	0.085	0.000	0.000	14.585
September 12, 2006	19:00	0.149	0.000	0.000	0.000	0.039	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	3.920
September 12, 2006	20:00	0.000	0.000	0.000	0.000	0.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.022
September 12, 2006	21:00	0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	22:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 12, 2006	23:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 13, 2006	0:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 13, 2006	1:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 13, 2006	2:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 13, 2006	3:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 13, 2006	4:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 13, 2006	5:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 13, 2006	6:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 13, 2006	7:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 13, 2006	8:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 13, 2006	9:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 13, 2006	10:00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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July 1, 2006 through September 30, 2006[illegible]

Louisville MSD Flow Monitoring Data

July 1, 2006 through September 30, 2006

Date	Time	CSO #019 Flow	CSO #088 Flow	CSO #108 # 1 Flow	CSO #108 # 2 Flow	CSO #110 Flow	CSO #117 Flow	CSO #118 Flow	CSO #127 Flow	CSO #140 Flow	CSO #151 Flow	CSO #152 Flow	CSO #182 Flow	CSO #189 Flow	CSO #190 Flow	CSO #191 Flow	CSO #206 Flow	CSO #211 Flow
September 21, 2006	23:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	0:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	1:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	2:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	3:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	4:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	5:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	6:00	0.000	0.001	0.000	0.000		0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	7:00	3.255	0.002	0.000	0.000		4.940	17.089	1.019	0.880	1.225	4.537	0.498	0.000	7.059	0.089	4.817	0.004
September 22, 2006	8:00	17.280	0.149	1.216	0.847		11.504	25.029	3.020	2.369	2.713	8.558	0.986	11.391	8.466	0.003	18.121	47.205
September 22, 2006	9:00	12.776	0.000	0.249	0.127		4.978	6.317	0.503	0.789	0.440	2.500	0.376	9.575	0.518	0.385	5.224	102.639
September 22, 2006	10:00	0.473	0.000	0.000	0.000		0.293	2.041	0.055	0.000	0.433	1.301	0.398	1.141	0.011	0.000	2.373	27.239
September 22, 2006	11:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.004	0.000	0.000	0.000	0.000	0.000	0.000	6.778
September 22, 2006	12:00	0.000	0.000	0.000	0.000		0.000	0.046	0.000	0.000	0.047	0.114	0.000	0.000	0.000	0.000	0.000	0.017
September 22, 2006	13:00	0.000	0.000	0.000	0.000		0.000	1.306	0.057	0.000	0.562	0.415	0.344	0.000	0.000	0.000	1.789	0.006
September 22, 2006	14:00	0.000	0.000	0.000	0.000		0.000	0.020	0.000	0.000	0.047	0.016	0.000	0.000	0.000	0.000	0.050	0.009
September 22, 2006	15:00	0.000	0.000	0.000	0.000		0.000	0.023	0.000	0.000	0.058	0.036	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	16:00	0.000	0.000	0.000	0.000		0.000	0.028	0.000	0.000	0.179	0.111	0.001	0.000	0.000	0.000	0.919	0.000
September 22, 2006	17:00	0.000	0.000	0.000	0.000		0.000	0.004	0.000	0.000	0.024	0.079	0.000	0.000	0.000	0.000	0.017	0.000
September 22, 2006	18:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	19:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	20:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 22, 2006	21:00	71.198	1.071	1.158	1.156		23.688	49.067	14.742	3.534	6.410	2.531	0.907	103.601	24.768	0.000	1.313	103.222
September 22, 2006	22:00	36.113	0.037	1.936	1.166		9.942	15.704	1.826	1.638	1.833	3.003	0.638	78.134	3.718	7.920	0.000	413.153
September 22, 2006	23:00	107.359	6.315	7.351	9.797		70.586	99.675	91.120	18.334	17.864	72.033	49.586	466.690	41.005	43.343	0.000	174.203
September 23, 2006	0:00	187.815	3.863	31.190	24.215		152.945	104.155	82.266	21.805	13.067	116.574	121.749	503.658	43.289	27.449	0.806	0.000
September 23, 2006	1:00	52.287	1.443	5.347	8.133		53.800	12.987	18.360	3.939	2.685	24.073	11.156	304.627	12.155	13.151	0.000	0.000
September 23, 2006	2:00	16.471	2.565	1.056	4.217		15.742	4.946	7.713	1.808	1.761	14.746	0.253	85.493	1.348	16.291	0.000	0.000
September 23, 2006	3:00	15.161	1.633	0.845	3.514		15.593	3.224	11.891	1.388	2.094	14.609	0.103	37.926	3.163	21.927	0.000	0.000
September 23, 2006	4:00	17.335	0.691	0.919	3.091		18.569	6.294	10.673	1.035	2.423	18.571	0.312	36.025	4.946	9.160	0.000	0.000
September 23, 2006	5:00	21.402	0.000	1.135	2.893		27.705	13.864	9.959	2.301	2.742	26.658	0.044	20.907	5.378	7.791	0.000	0.000
September 23, 2006	6:00	21.817	1.841	1.399	4.359		40.267	5.872	10.282	3.021	2.437	33.723	0.015	24.382	6.661	15.297	0.000	0.000
September 23, 2006	7:00	12.505	0.495	0.632	2.018		29.193	0.000	1.329	1.727	0.880	12.568	1.158	14.387	0.592	2.804	0.000	0.000
September 23, 2006	8:00	3.843	1.603	0.554	1.908		21.290	0.000	0.787	1.054	0.613	5.422	1.153	7.372	0.000	0.162	0.000	0.000
September 23, 2006	9:00	3.131	1.346	1.659	2.280		22.470	0.000	3.303	0.745	0.712	4.814	0.731	2.809	0.000	0.000	0.000	0.000
September 23, 2006	10:00	2.557	2.307	0.599	2.114		15.343	0.000	5.235	0.956	0.782	7.322	0.586	0.321	0.000	0.000	0.000	0.000
September 23, 2006	11:00	2.160	0.888	0.372	3.083		12.530	0.000	7.966	1.121	1.256	3.275	0.433	0.020	0.267	0.000	0.000	0.000
September 23, 2006	12:00	5.726	0.000	1.041	3.147		9.280	0.000	7.859	0.714	1.486	1.456	0.399	2.516	3.120	0.000	0.000	0.000
September 23, 2006	13:00	98.435	3.484	5.505	10.751		61.858	128.492	39.686	5.220	18.529	12.082	49.019	208.770	39.474	92.912	0.000	0.000
September 23, 2006	14:00	88.242	1.091	9.534	12.329		46.747	32.764	42.018	9.101	8.636	27.175	0.130	260.674	15.445	51.221	0.000	0.000
September 23, 2006	15:00	15.610	0.618	2.507	5.603		5.922	15.969	16.164	1.838	6.382	2.776	1.205	44.144	1.594	5.195	0.000	0.000
September 23, 2006	16:00	11.961	0.982	6.317	5.205		2.852	14.579	17.167	1.945	7.990	2.421	2.294	14.924	0.531	3.898	0.000	0.000
September 23, 2006	17:00	6.517	3.653	1.597	6.616		0.000	1.166	12.541	1.502	8.128	1.120	1.046	6.911	0.000	0.353	0.000	0.000
September 23, 2006	18:00	3.948	6.856	8.809	4.573		0.000	1.546	13.359	1.425	9.646	0.374	0.731	2.455	0.000	0.000	0.000	0.000
September 23, 2006	19:00	0.053	6.577	4.231	5.937		0.000	1.302	11.341	1.291	11.470	0.137	0.623	0.061	0.000	0.000	0.000	0.000
September 23, 2006	20:00	0.000	2.600	3.260	4.749		0.032	0.000	12.740	2.235	11.586	0.200	0.354	0.036	0.000	0.000	0.000	0.000
September 23, 2006	21:00	0.000	0.707	3.945	3.315		0.008	0.000	14.099	3.290	10.755	0.145	0.095	0.022	0.000	0.000	0.000	0.000
September 23, 2006	22:00	0.000	0.210	2.572	2.230		0.000	0.000	11.799	3.121	10.187	0.200	0.043	0.082	0.000	0.000	0.000	0.000
September 23, 2006	23:00	0.000	0.000	2.142	1.970		0.000	0.000	10.364	2.877	9.241	0.080	0.027	0.005	0.000	0.000	0.000	0.000
September 24, 2006	00:00	0.000	0.000	2.360	1.648		0.000	0.010	1.000	3.498	9.082	0.090	0.000	-0.002	0.000	0.000	0.000	0.000

Louisville MSD Flow Monitoring Data

July 1, 2006 through September 30, 2006

CSO #019 CSO #088 CSO #108 CSO #108 CSO #110 CSO #117 CSO #118 CSO #127 CSO #140 CSO #151 CSO #152 CSO #182 CSO #189 CSO #190 CSO #191 CSO #206 CSO #211

Date	Time	Flow	Flow	# 1 Flow	# 2 Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
September 24, 2006	1:00	0.000	0.000	1.996	1.450		0.000	0.004	3.044	3.263	8.514	0.168	0.000	0.000	0.000	0.000	0.000
September 24, 2006	2:00	0.000	0.000	1.528	1.418		0.000	0.000	3.297	4.106	8.254	0.137	0.000	0.000	0.000	0.000	0.000
September 24, 2006	3:00	0.000	0.000	1.668	1.292		0.000	0.000	2.096	4.998	9.373	0.025	0.000	0.000	0.000	0.000	0.000
September 24, 2006	4:00	0.000	0.000	1.360	1.317		0.000	0.000	1.288	1.458	8.097	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	5:00	0.000	0.000	1.280	1.356		0.000	0.000	1.130	0.295	7.352	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	6:00	0.000	0.000	1.237	1.164		0.000	0.000	1.035	0.000	7.201	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	7:00	0.000	0.000	1.033	1.275		0.000	0.000	1.133	0.000	7.500	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	8:00	0.000	0.000	1.254	1.170		0.000	0.000	0.408	0.000	8.286	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	9:00	0.000	0.000	1.140	1.151		0.000	0.000	0.316	0.000	7.782	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	10:00	0.000	0.000	1.209	1.234		0.000	0.000	0.297	0.000	8.375	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	11:00	0.000	0.000	1.024	1.211		0.000	0.000	0.297	0.000	7.597	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	12:00	0.000	0.000	0.850	0.978		0.000	0.000	0.056	0.000	8.811	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	13:00	0.000	0.000	0.562	0.808		0.000	0.000	0.000	0.000	7.730	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	14:00	0.000	0.000	0.532	0.728		0.000	0.000	0.000	0.000	7.093	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	15:00	0.000	0.000	1.027	0.435		0.000	0.000	0.000	0.000	6.468	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	16:00	0.000	0.000	0.910	0.424		0.000	0.000	0.000	0.000	6.213	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	17:00	0.000	0.000	0.173	0.660		0.000	0.000	0.000	0.000	6.898	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	18:00	0.000	0.000	0.247	0.216		0.000	0.000	0.000	0.000	6.073	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	19:00	0.000	0.000	0.000	0.169		0.000	0.000	0.000	0.000	6.375	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	20:00	0.000	0.000	0.000	2.335		0.000	0.000	0.000	0.000	5.918	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	21:00	0.000	0.000	0.000	0.043		0.000	0.000	0.000	0.000	5.441	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	22:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.573	0.000	0.000	0.000	0.000	0.000	0.000
September 24, 2006	23:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.332	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	0:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.275	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	1:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.524	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	2:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.120	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	3:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.707	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	4:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.153	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	5:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.129	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	6:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.173	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	7:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.614	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	8:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.878	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	9:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.800	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	10:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.429	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	11:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.981	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	12:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.491	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	13:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.085	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	14:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.541	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	15:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.913	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	16:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.541	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	17:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.716	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	18:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.480	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	19:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.669	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	20:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.287	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	21:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.007	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	22:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	5.420	0.000	0.000	0.000	0.000	0.000	0.000
September 25, 2006	23:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.647	0.000	0.000	0.000	0.000	0.000	0.000
September 26, 2006	0:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.411	0.000	0.000	0.000	0.000	0.000	0.000
September 26, 2006	1:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	4.736	0.000	0.000	0.000	0.000	0.000	0.000
September 26, 2006	2:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	3.488	0.000	0.000	0.000	0.000	0.000	0.000
September 26, 2006	3:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	2.418	0.000	0.000	0.000	0.000	0.000	0.000

July 1, 2006 through September 30, 200642 01 74

July 1, 2006 through September 30, 2006

[illegible]

Louisville MSD Flow Monitoring Data

July 1, 2006 through September 30, 2006

		CSO #019	CSO #088	CSO #108	CSO #108	CSO #110	CSO #117	CSO #118	CSO #127	CSO #140	CSO #151	CSO #152	CSO #182	CSO #189	CSO #190	CSO #191	CSO #206	CSO #211
Date	Time	Flow	Flow	# 1 Flow	# 2 Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow
September 30, 2006	10:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	11:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	12:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	13:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	14:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	15:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	16:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	17:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	18:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	19:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	20:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	21:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	22:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
September 30, 2006	23:00	0.000	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

APPENDIX C

Primavera P3 Schedules

Note: The attached project schedules were prepared in Primavera and are utilized to manage and track projects as part of MSD Project Controls efforts. There are project naming discrepancies between the Consent Decree project titles and internal MSD project titles. The following list provides the Consent Decree project title and the MSD internal project title. Project schedules are included for active projects. Project schedules are arranged alphabetically based on MSD Project Titles.

Consent Decree Project Title

CSO 147 Elimination

Northern Ditch Pump Replacement

RTC @ CSO 108

RTC @ Southwestern Outfall SWOR2

Integration of SWPS/MDS/MFWTP

Integration of Wheeler Basin

Internal MSD Project Title

CSO 147 (Various Projects)

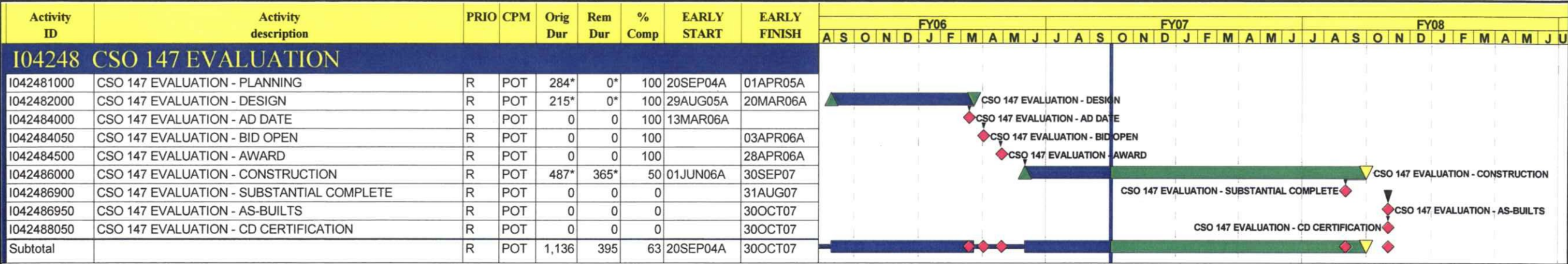
Northern Ditch Pump Station

RTC @ CSO 108

RTC @ SW Outfall SWOR2

Integration of SWPS/MDS/MFWTP

Integration of Wheeler Basin



Start Date 01JAN85
Finish Date 14APR22
Data Date 01OCT06
Run Date 30OCT06 08:18



CAPB

LOUISVILLE & JEFFERSON COUNTY MSD

CONSENT DECREE REQUIRED PROJECTS

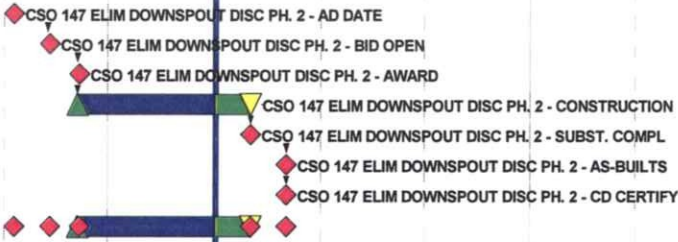
AS OF 10/30/06

Primavera

PROJECT PLANNER®
FOR WINDOWS™



Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08											
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
H06357 CSO 147 ELIMINATION & DOWNSPOUT DISC. PH.2																																												
H063574000	CSO 147 ELIM DOWNSPOUT DISC PH. 2 - AD DATE	R	POT	0	0	100	10APR06A																																					
H063574050	CSO 147 ELIM DOWNSPOUT DISC PH. 2 - BID OPEN	R	POT	0	0	100		10MAY06A																																				
H063574500	CSO 147 ELIM DOWNSPOUT DISC PH. 2 - AWARD	R	POT	0	0	100		05JUN06A																																				
H063576000	CSO 147 ELIM DOWNSPOUT DISC PH. 2 - CONSTRUCTION	R	POT	150*	32*	99	05JUN06A	01NOV06																																				
H063576900	CSO 147 ELIM DOWNSPOUT DISC PH. 2 - SUBST. COMPL	R	POT	0	0	0		01NOV06																																				
H063576950	CSO 147 ELIM DOWNSPOUT DISC PH. 2 - AS-BUILTS	R	POT	0	0	0		01DEC06																																				
H063578050	CSO 147 ELIM DOWNSPOUT DISC PH. 2 - CD CERTIFY	R	POT	0	0	0		01DEC06																																				
Subtotal		R	POT	236	62	79	10APR06A	01DEC06																																				



Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08											
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
H06358 CSO 147 ELIMINATION & DOWNSPOUT DISC. PH.3																																												
H063584000	CSO 147 ELIM DOWNSPOUT DISC PH. 3 - AD DATE	R	POT	0	0	100	10APR06A																																					
H063584050	CSO 147 ELIM DOWNSPOUT DISC PH. 3 - BID OPEN	R	POT	0	0	100		15MAY06A																																				
H063584500	CSO 147 ELIM DOWNSPOUT DISC PH. 3 - AWARD	R	POT	0	0	100		31JUL06A																																				
H063586000	CSO 147 ELIM DOWNSPOUT DISC PH. 3 - CONSTRUCTION	R	POT	114*	52*	20	31JUL06A	21NOV06																																				
H063586900	CSO 147 ELIM DOWNSPOUT DISC PH. 3 - SUBST. COMPL	R	POT	0	0	0		14NOV06*																																				
H063586950	CSO 147 ELIM DOWNSPOUT DISC PH. 3 - AS-BUILTS	R	POT	0	0	0		21DEC06																																				
H063588050	CSO 147 ELIM DOWNSPOUT DISC PH. 3 - CD CERTIFY	R	POT	0	0	0		21DEC06																																				
Subtotal		R	POT	256	82	54	10APR06A	21DEC06																																				

Start Date

01JAN85

Finish Date

14APR22

Data Date

01OCT06

Run Date

30OCT06 08:16

Early Bar

Progress Bar

CAPB

LOUISVILLE & JEFFERSON COUNTY MSD

CONSENT DECREE REQUIRED PROJECTS

AS OF 10/30/06

Primavera

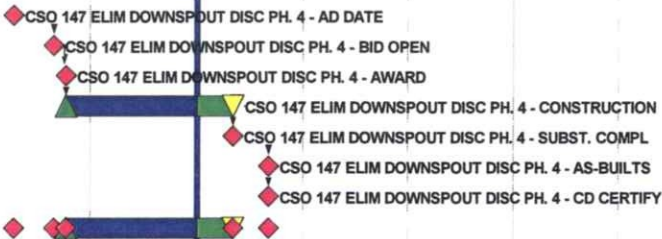
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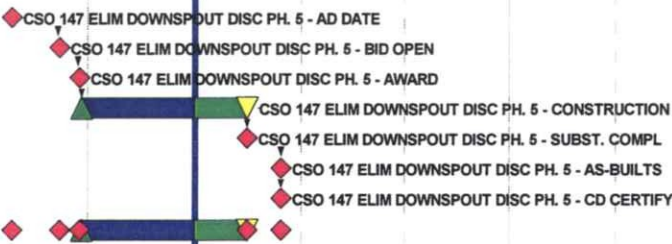


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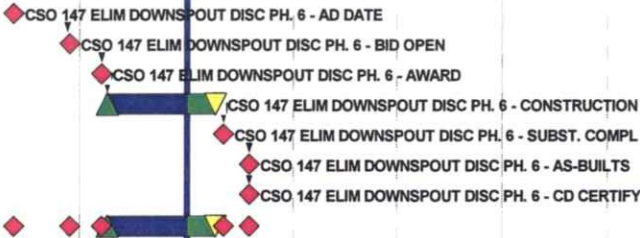
Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08											
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
H06383 CSO 147 ELIMINATION & DOWNSPOUT DISC. PH.4																																												
H063834000	CSO 147 ELIM DOWNSPOUT DISC PH. 4 - AD DATE	R	POT	0	0	100	26APR06A																																					
H063834050	CSO 147 ELIM DOWNSPOUT DISC PH. 4 - BID OPEN	R	POT	0	0	100		30MAY06A																																				
H063834500	CSO 147 ELIM DOWNSPOUT DISC PH. 4 - AWARD	R	POT	0	0	100		08JUN06A																																				
H063836000	CSO 147 ELIM DOWNSPOUT DISC PH. 4 - CONSTRUCTION	R	POT	146*	32*	90	09JUN06A	01NOV06																																				
H063836900	CSO 147 ELIM DOWNSPOUT DISC PH. 4 - SUBST. COMPL	R	POT	0	0	0		01NOV06																																				
H063836950	CSO 147 ELIM DOWNSPOUT DISC PH. 4 - AS-BUILTS	R	POT	0	0	0		01DEC06																																				
H063838050	CSO 147 ELIM DOWNSPOUT DISC PH. 4 - CD CERTIFY	R	POT	0	0	0		01DEC06																																				
Subtotal		R	POT	220	62	78	26APR06A	01DEC06																																				



Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08											
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
H06384 CSO 147 ELIMINATION & DOWNSPOUT DISC. PH.5																																												
H063844000	CSO 147 ELIM DOWNSPOUT DISC PH. 5 - AD DATE	R	POT	0	0	100	26APR06A																																					
H063844050	CSO 147 ELIM DOWNSPOUT DISC PH. 5 - BID OPEN	R	POT	0	0	100		05JUN06A																																				
H063844500	CSO 147 ELIM DOWNSPOUT DISC PH. 5 - AWARD	R	POT	0	0	100		22JUN06A																																				
H063846000	CSO 147 ELIM DOWNSPOUT DISC PH. 5 - CONSTRUCTION	R	POT	142*	45*	70	26JUN06A	14NOV06																																				
H063846900	CSO 147 ELIM DOWNSPOUT DISC PH. 5 - SUBST. COMPL	R	POT	0	0	0		14NOV06																																				
H063846950	CSO 147 ELIM DOWNSPOUT DISC PH. 5 - AS-BUILTS	R	POT	0	0	0		14DEC06																																				
H063848050	CSO 147 ELIM DOWNSPOUT DISC PH. 5 - CD CERTIFY	R	POT	0	0	0		14DEC06																																				
Subtotal		R	POT	233	75	68	26APR06A	14DEC06																																				



Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08											
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
H06401 CSO 147 ELIMINATION & DOWNSPOUT DISC. PHASE 6																																												
H064014000	CSO 147 ELIM DOWNSPOUT DISC PH. 6 - AD DATE	R	POT	0	0	100	04MAY06A		◆ CSO 147 ELIM DOWNSPOUT DISC PH. 6 - AD DATE																																			
H064014050	CSO 147 ELIM DOWNSPOUT DISC PH. 6 - BID OPEN	R	POT	0	0	100		20JUN06A	◆ CSO 147 ELIM DOWNSPOUT DISC PH. 6 - BID OPEN																																			
H064014500	CSO 147 ELIM DOWNSPOUT DISC PH. 6 - AWARD	R	POT	0	0	100		19JUL06A	◆ CSO 147 ELIM DOWNSPOUT DISC PH. 6 - AWARD																																			
H064016000	CSO 147 ELIM DOWNSPOUT DISC PH. 6 - CONSTRUCTION	R	POT	93*	24*	90	24JUL06A	24OCT06	▶ CSO 147 ELIM DOWNSPOUT DISC PH. 6 - CONSTRUCTION																																			
H064016900	CSO 147 ELIM DOWNSPOUT DISC PH. 6 - SUBST. COMPL	R	POT	0	0	0		01NOV06*	◆ CSO 147 ELIM DOWNSPOUT DISC PH. 6 - SUBST. COMPL																																			
H064016950	CSO 147 ELIM DOWNSPOUT DISC PH. 6 - AS-BUILTS	R	POT	0	0	0		23NOV06	◆ CSO 147 ELIM DOWNSPOUT DISC PH. 6 - AS-BUILTS																																			
H064018050	CSO 147 ELIM DOWNSPOUT DISC PH. 6 - CD CERTIFY	R	POT	0	0	0		23NOV06	◆ CSO 147 ELIM DOWNSPOUT DISC PH. 6 - CD CERTIFY																																			
Subtotal		R	POT	204	54	74	04MAY06A	23NOV06	◆ ◆ ▶ ◆ ◆ ◆																																			



Start Date 01JAN85
Finish Date 14APR22
Data Date 01OCT06
Run Date 30OCT06 08:17



CAPB

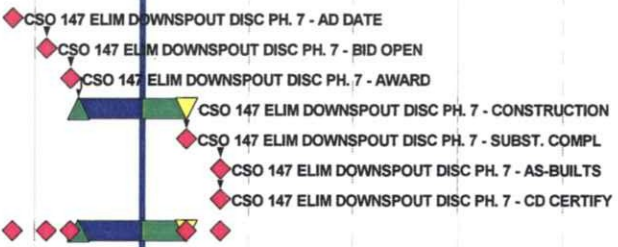
LOUISVILLE & JEFFERSON COUNTY MSD

CONSENT DECREE REQUIRED PROJECTS

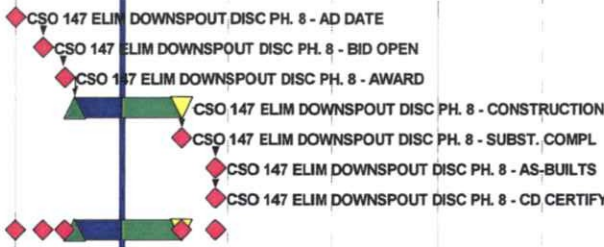
AS OF 10/30/06



Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08											
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
H07007 CSO 147 ELIMINATION & DOWNSPOUT DISC PH 7																																												
H070074000	CSO 147 ELIM DOWNSPOUT DISC PH. 7 - AD DATE	R	POT	0	0	100	12JUN06A																																					
H070074050	CSO 147 ELIM DOWNSPOUT DISC PH. 7 - BID OPEN	R	POT	0	0	100		10JUL06A																																				
H070074500	CSO 147 ELIM DOWNSPOUT DISC PH. 7 - AWARD	R	POT	0	0	100		31JUL06A																																				
H070076000	CSO 147 ELIM DOWNSPOUT DISC PH. 7 - CONSTRUCTION	R	POT	93*	38*	90	07AUG06A	07NOV06																																				
H070076900	CSO 147 ELIM DOWNSPOUT DISC PH. 7 - SUBST. COMPL	R	POT	0	0	0		08NOV06*																																				
H070076950	CSO 147 ELIM DOWNSPOUT DISC PH. 7 - AS-BUILTS	R	POT	0	0	0		07DEC06																																				
H070078050	CSO 147 ELIM DOWNSPOUT DISC PH. 7 - CD CERTIFY	R	POT	0	0	0		07DEC06																																				
Subtotal		R	POT	179	68	59	12JUN06A	07DEC06																																				



Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08											
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
H07008 CSO 147 ELIMINATION & DOWNSPOUT DISC. PH.8																																												
H070084000	CSO 147 ELIM DOWNSPOUT DISC PH. 8 - AD DATE	R	POT	0	0	100	30JUN06A																																					
H070084050	CSO 147 ELIM DOWNSPOUT DISC PH. 8 - BID OPEN	R	POT	0	0	100		24JUL06A																																				
H070084500	CSO 147 ELIM DOWNSPOUT DISC PH. 8 - AWARD	R	POT	0	0	100		11AUG06A																																				
H070086000	CSO 147 ELIM DOWNSPOUT DISC PH. 8 - CONSTRUCTION	R	POT	93*	52*	30	21AUG06A	21NOV06																																				
H070086900	CSO 147 ELIM DOWNSPOUT DISC PH. 8 - SUBST. COMPL	R	POT	0	0	0		21NOV06*																																				
H070086950	CSO 147 ELIM DOWNSPOUT DISC PH. 8 - AS-BUILTS	R	POT	0	0	0		21DEC06																																				
H070088050	CSO 147 ELIM DOWNSPOUT DISC PH. 8 - CD CERTIFY	R	POT	0	0	0		21DEC06																																				
Subtotal		R	POT	175	82	44	30JUN06A	21DEC06																																				



Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08											
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
H07053 CSO 147 ELIMINATION & DOWNSPOUT DISC. PH.9																																												
H070534000	CSO 147 ELIM DOWNSPOUT DISC PH. 9 - AD DATE	R	POT	0	0	100	27JUL06A																																					
H070534050	CSO 147 ELIM DOWNSPOUT DISC PH. 9 - BID OPEN	R	POT	0	0	100		14AUG06A																																				
H070534500	CSO 147 ELIM DOWNSPOUT DISC PH. 9 - AWARD	R	POT	0	0	100		30AUG06A																																				
H070536000	CSO 147 ELIM DOWNSPOUT DISC PH. 9 - CONSTRUCTION	R	POT	92*	72*	10	11SEP06A	11DEC06																																				
H070536900	CSO 147 ELIM DOWNSPOUT DISC PH. 9 - SUBST. COMPL	R	POT	0	0	0		11NOV06																																				
H070536950	CSO 147 ELIM DOWNSPOUT DISC PH. 9 - AS-BUILTS	R	POT	0	0	0		10JAN07																																				
H070538050	CSO 147 ELIM DOWNSPOUT DISC PH. 9 - CD CERTIFY	R	POT	0	0	0		10JAN07																																				
Subtotal		R	POT	168	102	22	27JUL06A	10JAN07																																				



Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
C00158 NORTHERN DITCH PUMP STATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

Start Date

01JAN85

Early Bar

Finish Date

14APR22

Progress Bar

Data Date

01OCT06

Run Date

30OCT06 08:14

CAPB

LOUISVILLE & JEFFERSON COUNTY MSD

CONSENT DECREE REQUIRED PROJECTS

AS OF 10/30/06

Primavera

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Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08											
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
105055 RTC @ CSO SOUTHWESTERN OUTFALL SWOR2																																												
I050552000	RTC @ CSO SOUTHWESTERN OUTFALL SWOR2 - DESIGN	R	POT	935*	397*	60	11APR05A	01NOV07																																				
I050554000	RTC @ CSO SOUTHWESTERN OUTFALL SWOR2 - AD DATE	R	POT	0	0	0	16NOV07																																					
I050554050	RTC @ CSO SOUTHWESTERN OUTFALL SWOR2 - BID OPEN	R	POT	0	0	0		15DEC07																																				
I050554500	RTC @ CSO SOUTHWESTERN OUTFALL SWOR2 - AWARD	R	POT	0	0	0		02JAN08																																				
I050556000	RTC @ CSO SOUTHWESTERN OUTFALL SWOR2 -	R	POT	550	550	0	24JAN08	26JUL09																																				
I050556950	RTC @ CSO SOUTHWESTERN OUTFALL SWOR2 - AS-BUILTS	R	POT	0	0	0		25AUG09																																				
I050558050	RTC @ CSO SOUTHWESTERN OUTFALL SWOR2 -CD CERTIFY	R	POT	0	0	0		25AUG09																																				
I050558100	RTC @ CSO SOUTHWESTERN OUTFALL SWOR2-CONTR END	R	POT	0	0	0		27APR09																																				
Subtotal		R	POT	1,598	1,060	36	11APR05A	25AUG09																																				

RTC @ CSO SOUTHWESTERN OUTFALL SWOR2 - AD DATE

RTC @ CSO SOUTHWESTERN OUTFALL SWOR2 - BID OPEN

RTC @ CSO SOUTHWESTERN OUTFALL SWOR2 - AWARD

RTC @ CSO SOUTHWESTERN OUTFALL SWOR2 - CONSTRUCT



Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08											
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
I05056 INTEGRATION OF SWPS/MDS/MFWTP TO RTC																																												
I050562000	INTEGRATION OF SWPS/MDS/MFWTP TO RTC - DESIGN	R	POT	935*	397*	50	11APR05A	01NOV07																																				
I050564000	INTEGRATION OF SWPS/MDS/MFWTP TO RTC - AD DATE	R	POT	0	0	0	09NOV07																																					
I050564050	INTEGRATION OF SWPS/MDS/MFWTP TO RTC - BID OPEN	R	POT	0	0	0		08DEC07																																				
I050564500	INTEGRATION OF SWPS/MDS/MFWTP TO RTC - AWARD	R	POT	0	0	0		26DEC07																																				
I050566000	INTEGRATION OF SWPS/MDS/MFWTP TO RTC-CONSTR.	R	POT	305	305	0	17JAN08	16NOV08																																				
I050566950	INTEGRATION OF SWPS/MDS/MFWTP TO RTC- AS-BUILTS	R	POT	0	0	0		16DEC08																																				
I050568050	INTEGRATION OF SWPS/MDS/MFWTP TO RTC-CD CERTIFY	R	POT	0	0	0		16DEC08																																				
Subtotal		R	POT	1,346	808	43	11APR05A	16DEC08																																				

INTEGRATION OF SWPS/MDS/MFWTP TO RTC - AD DATE

INTEGRATION OF SWPS/MDS/MFWTP TO RTC - BID OPEN

INTEGRATION OF SWPS/MDS/MFWTP TO RTC - AWARD

INTEGRATION OF SWPS/MDS/MFWTP TO RTC-CONSTR.

Start Date

01JAN85

Early Bar

Finish Date

14APR22

Progress Bar

Data Date

01OCT06

Run Date

30OCT06 08:19

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AS OF 10/30/06

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Activity ID	Activity description	PRIO	CPM	Orig Dur	Rem Dur	% Comp	EARLY START	EARLY FINISH	FY06												FY07												FY08											
									A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
I05057 INTEGRATION OF WHEELER BASIN TO RTC																																												
I050572000	INTEGRATION OF WHEELER BASIN TO RTC- DESIGN	R	POT	935*	397*	50	11APR05A	01NOV07																			INTEGRATION OF WHEELER BASIN TO																	
I050574000	INTEGRATION OF WHEELER BASIN TO RTC-AD DATE	R	POT	0	0	0	16NOV07																				INTEGRATION OF WHEELER BASIN TO RTC-AD DATE																	
I050574050	INTEGRATION OF WHEELER BASIN TO RTC- BID OPEN	R	POT	0	0	0		15DEC07																			INTEGRATION OF WHEELER BASIN TO RTC- BID OPEN																	
I050574500	INTEGRATION OF WHEELER BASIN TO RTC- AWARD	R	POT	0	0	0		02JAN08																			INTEGRATION OF WHEELER BASIN TO RTC- AWARD																	
I050576000	INTEGRATION OF WHEELER BASIN TO RTC- CONSTR	R	POT	305	305	0	24JAN08	23NOV08																			INTEGRATION OF WHEELER BASIN TO RTC- CONSTR																	
I050576950	INTEGRATION OF WHEELER BASIN TO RTC- AS-BUILTS	R	POT	0	0	0		23DEC08																																				
I050578050	INTEGRATION OF WHEELER BASIN TO RTC- CD CERTIFY	R	POT	0	0	0		23DEC08																																				
Subtotal		R	POT	1,353	815	43	11APR05A	23DEC08																																				

