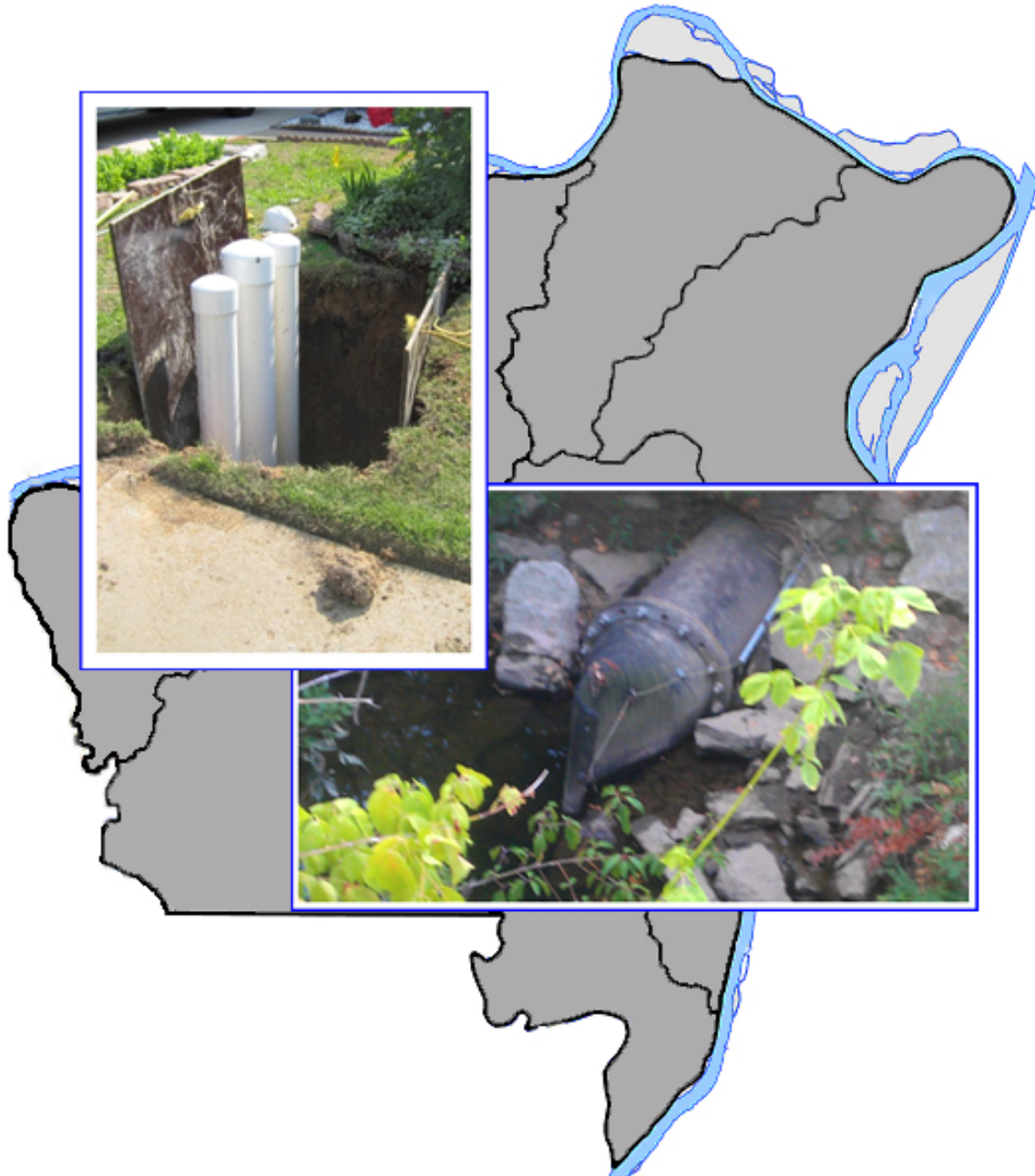




# Metropolitan St. Louis Sewer District SEMI-ANNUAL REPORT



**Reporting Period – July 1, 2012 to December 31, 2012**  
**Consent Decree Due Date – February 15, 2013**



## TABLE OF CONTENTS

<b>1.0</b>	<b>INTRODUCTION</b> .....	<b>1</b>
<b>2.0</b>	<b>CONSTRUCTED SSO ACTIVATION DATA</b> .....	<b>1</b>
<b>3.0</b>	<b>BUILDING BACKUP DATA</b> .....	<b>2</b>
<b>4.0</b>	<b>SANITARY SEWER OVERFLOW DATA</b> .....	<b>3</b>
<b>5.0</b>	<b>CONCLUSION</b> .....	<b>5</b>

## LIST OF APPENDICES

### **APPENDIX A: CONSTRUCTED SSO ACTIVATIONS**

Table A-1 – Constructed SSO Activation Data

Table A-2 – Constructed SSO Activation Data – Excluded Events

### **APPENDIX B: BUILDING BACKUPS**

Table B-1 – Building Backups

### **APPENDIX C: SANITARY SEWER OVERFLOWS**

Table C-1 – Sanitary Sewer Overflows



## 1.0 INTRODUCTION

A Consent Decree between the United States of America, the Missouri Coalition for the Environment Foundation and Metropolitan St. Louis Sewer District (“MSD”) in the matter of *The United States et al. v. The Metropolitan St. Louis Sewer District*, No. 4:07-CV-1120 (E.D. Mo.) has been entered with an Effective Date of April 27, 2012.

MSD has prepared this Semi-Annual Report to comply with paragraph VIII.72 of Consent Decree Case No. 4:07-CV-1120-CEJ. The submission date of this Semi-Annual Report, as noted on the cover page, is February 15, 2013 reporting on the six month period from July 1 to December 31, 2012.

This Semi-Annual Report includes the following:

- Constructed SSO Activation Data (*satisfies Consent Decree requirement VIII.72.a*)
- Building Backup Data (*satisfies Consent Decree requirement VIII.72.b*)
- Sanitary Sewer Overflow Data (*satisfies Consent Decree requirement VIII.72.c*)

## 2.0 CONSTRUCTED SSO ACTIVATION DATA

Pursuant to Consent Decree requirement VIII.72.a, the Constructed SSO discharge activations having occurred during the six months covered by this Semi-Annual Report are listed in Appendix A.

The Constructed SSO discharge activation data for MSD’s service area is recorded in a Telog software system. The Telog software has embedded alert formulas that are used to validate field equipment alarms. Site inspection following field equipment alarms is part of MSD’s validation process. Those known Constructed SSO discharge activations determined to be valid are provided as Table A-1. Table A-2 provides those activations determined to be excluded from the valid data based on the activations either (1) not meeting the pre-set overflow level and voltage requirements for the Telog formula or (2) through a site inspection based on conditions at the outfall (e.g. low battery, bad sensor or debris stuck in the valve, etc.) they are determined to be invalid.

The activation event logged on November 13, 2012 at BP-370 is recorded as lasting for 5 days, 12 hours, 37 minutes. While an overflow event did occur at this site during that period, the flow from the discharge pipe was intermittent and estimated to be less than 15,000 gallons. Equipment malfunction at this site prevented prompt awareness of the discharge event.

The Constructed SSO activation data included with this report indicates activations of the field equipment alarms. There will be instances where there may be more than one field



equipment alarm for a single Constructed Sanitary Sewer Overflow or discharge. This will occur from time to time due to intermittent or varying flow conditions within the Sewer System because the rubber duck bill valves open and close depending on the amount of pressure provided by the flows within the Sewer System.

For the Constructed SSO discharge activation data provided, MSD has included: (i) the Constructed SSO Outfall number; (ii) address; (iii) the start date of the event; (iv) the event duration; and (v) the estimated volume, if known. The column headings of Table A-1 and Table A-2 in Appendix A represent the following information:

**Bypass Number**

The bypass number provided is designated by MSD’s Constructed SSO Outfall Inventory.

**Address, Zip Code**

The address and zip code of the site provided is designated by MSD’s Constructed SSO Outfall Inventory.

**Event Start Date, Event End Date**

These are the date/timestamps representing the start and stop time recorded for this event by the Telog software.

**Event Duration (day hh:mm:ss)**

This is the information recorded by the Telog software and represents the duration time of the event. The Telog software measures this time in two and one half minute increments.

**Estimated Volume (gallons)**

The estimated volume is normally reported as “unknown” because most of the existing monitoring equipment only measures water level, not velocity, which makes any flow volume calculation inaccurate and highly unreliable. All new and replacement flow monitors which are installed after April 27, 2012 will include the capability to measure level and velocity so that a flow volume may be calculated. Of those sites which had flow monitors installed after April 27, 2012, there were not any recorded activations during the reporting period.

**3.0 BUILDING BACKUP DATA**

Pursuant to Consent Decree requirement VIII.72.b, the Building Backups having occurred during the six months covered by this Semi-Annual Report are listed in Appendix B.

The Building Backup data included in Table B-1 was generated from MSD’s computerized maintenance management system. Due to the limited capabilities of MSD’s computerized maintenance management system, the Building Backups which occurred at multiple units in the same building which have different numerical street addresses have been reported as separate occurrences even though they occurred in a



single building at the same time. Additionally, this data includes occurrences that were the result of the failure of a sewer separation device within a private lateral. Although these backups are the result of a failed sewer separation device, they are reported as Building Backups when caused by blockages, flow conditions, or malfunctions within the Sewer System.

For the Building Backup data provided, MSD has included: (i) street address at which the Building Backup occurred; (ii) identification of the Watershed/Treatment Plant Service Area in which the Building Backup occurred; (iii) cause or causes of the Building Backup, if known; (iv) call date(s) of any Building Backup(s) that have previously occurred at the same address since the Effective Date of April 27, 2012; and (v) an indication for those Building Backups that have resulted in a discharge to waters of the United States. The column headings of Table B-1 in Appendix B represent the following information:

**Service Request Call Date**

This is the date that MSD received a call from a customer reporting a building backup as recorded in MSD's computerized maintenance management system.

**Occurred During Current Reporting Period?**

This column identifies those backups which occurred during the current reporting period in order to denote those that previously occurred at the same address since the Effective Date of April 27, 2012.

**Street Number, Street Name, Zip Code**

This is the location information that has been recorded in MSD's computerized maintenance management system by MSD customer care staff. The service address information provided includes a street number, street name and zip code.

**Watershed/Treatment Plant Service Area**

The watershed indicated is a wastewater collection area upstream of one (1) of the seven (7) MSD wastewater treatment plants.

**Service Request Work Order Cause**

This is the cause or resolution information which has been recorded by MSD staff in MSD's computerized maintenance management system.

**Discharge to Waters of the US?**

This column indicates whether a Building Backup event resulted in a discharge to waters of the United States.

## 4.0 SANITARY SEWER OVERFLOW DATA

Pursuant to Consent Decree requirement VIII.72.c, all known Sanitary Sewer Overflows having occurred during the six months covered by this Semi-Annual Report are listed in Appendix C.



The known Sanitary Sewer Overflow data (other than Constructed SSO activations and Building Backups) is included in Table C-1 and was generated from MSD's computerized maintenance management system. Per the Consent Decree definition of Sanitary Sewer Overflow, the data only includes overflows, spills, diversions and releases of wastewater from or caused by MSD's sanitary sewer system. The data does not include overflows for MSD's combined sewer system. Copies of all unpermitted CSO discharge reports submitted to MDNR will be provided with Consent Decree Annual Report.

For the Sanitary Sewer Overflow data provided, MSD has included: (i) Watershed/Treatment Plant Service Area in which the Sanitary Sewer Overflow occurred; (ii) location description; (iii) facility type; (iv) volume, if known; (v) reason such as blockage, broken pipe, weather conditions, power outage, vandalism, third-party cause, Mississippi River backflow; (vi) cause such as debris, grit, grease, high river flow; (vii) the amount of time to commence investigation of each SSO, as reported; and (viii) the amount of time to correct and/or cleanup each SSO, as necessary. The column headings of Table C-1 in Appendix C represent the following information:

**Work Order Start Date**

This is the date of the initial notification to MSD's Division of Environmental Compliance ("DEC") after an MSD Operations Crew has arrived onsite and determined that an SSO occurred. DEC records information related to the overflow using a work order in MSD's computerized maintenance management system.

**Watershed/Treatment Plant Service Area**

The watershed indicated is a wastewater collection area upstream of one (1) of the seven (7) MSD wastewater treatment plants.

**Service Address**

This is the work order service address location information that has been recorded in MSD's computerized maintenance management system. This information represents the best address that a MSD Staff member who responded on site determined relates to the overflow. The service address includes a street number, street name and zip code.

**Location Description**

The location description listed is an MSD collection system structure such as a manhole, gravity main or pump station. These MSD collection system structures denote respective GIS coordinates, when available.

**Facility Type**

The facility type indicates the type of MSD collection system structure determined to be source of the Sanitary Sewer Overflow.

**Estimated Volume (gallons)**

The estimated volume of the Sanitary Sewer Overflow is indicated in gallons, if known. The estimated volume provided is determined to the best of MSD's ability, which accounts for the period of time MSD knew about the overflow and



the estimated dry weather flow for the sewer from which the Sanitary Sewer Overflow is released. Other factors are used to make this estimation when appropriate.

Reason/Cause

The reason and the cause for the Sanitary Sewer Overflow are indicated in this combined field under a single column heading.

Time To Commence Investigation (day hh:mm)

This is the duration of time starting at the initial notification of an SSO up until an MSD Operations Crew has arrived on site to investigate the problem. If the time to commence the investigation is zero that is due to the fact that the Sanitary Sewer Overflow was discovered by an MSD crew or staff member.

Time To Correct and/or Cleanup (day hh:mm)

This is duration of time starting from when the MSD Operations Crew arrives on site to correct the problem and/or cleanup (as necessary) until the time the Sanitary Sewer Overflow as defined by the Consent Decree has ceased and/or the cleanup effort is completed whichever is later.

## 5.0 CONCLUSION

MSD has provided the information contained in this Semi-Annual Report to comply with paragraph VIII.72 of the Consent Decree for Case No. 4:07-CV-1120-CEJ. Any questions regarding the content of this Semi-Annual Report can be directed to MSD's Legal Department. If you have questions related to this report which are not subject to paragraph XVII.129 of the Consent Decree, please send them by letter or email to:

Susan M. Myers  
General Counsel  
Metropolitan St. Louis Sewer District  
2350 Market Street  
St. Louis, MO 63103  
or  
Electronic mail at: [CDQuestions@stlmsd.com](mailto:CDQuestions@stlmsd.com)



## APPENDIX A: CONSTRUCTED SSO ACTIVATIONS

### CONSTRUCTED SSO ACTIVATIONS

*Attached and Spreadsheet File Provided on Enclosed Disk*





Table A-1: Constructed SSO Activation Data

(07/01/2012 - 12/31/2012)

Bypass Number	Address	Zip Code	Event Start Date	Event End Date	Event Duration (day hh:mm:ss)	Estimated Volume (gallons)
BP-013	842 LOUWEN DRIVE	63124	8/26/2012 18:00	8/26/2012 18:02	0:02:30	UNKNOWN
BP-013	842 LOUWEN DRIVE	63124	9/7/2012 16:57	9/7/2012 17:12	0:15:00	UNKNOWN
BP-013	842 LOUWEN DRIVE	63124	9/7/2012 17:25	9/7/2012 17:42	0:17:30	UNKNOWN
BP-023	9175 WRENWOOD LANE	63144	9/7/2012 17:02	9/7/2012 17:12	0:10:00	UNKNOWN
BP-023	9175 WRENWOOD LANE	63144	9/26/2012 0:55	9/26/2012 1:15	0:20:00	UNKNOWN
BP-086	11220 TRIESTE DRIVE	63146	7/8/2012 19:17	7/8/2012 20:25	1:07:30	UNKNOWN
BP-086	11220 TRIESTE DRIVE	63146	7/14/2012 15:42	7/14/2012 15:47	0:05:00	UNKNOWN
BP-086	11220 TRIESTE DRIVE	63146	8/26/2012 17:30	8/26/2012 18:15	0:45:00	UNKNOWN
BP-086	11220 TRIESTE DRIVE	63146	9/25/2012 19:17	9/25/2012 19:40	0:22:30	UNKNOWN
BP-086	11220 TRIESTE DRIVE	63146	9/26/2012 0:05	9/26/2012 0:42	0:37:30	UNKNOWN
BP-086	11220 TRIESTE DRIVE	63146	10/25/2012 18:22	10/25/2012 18:40	0:17:30	UNKNOWN
BP-101	909 WOODEN DRIVE	63033	8/31/2012 17:35	8/31/2012 17:40	0:05:00	UNKNOWN
BP-115	9 CRICKET COURT	63033	10/25/2012 23:52	10/25/2012 23:57	0:05:00	UNKNOWN
BP-115	9 CRICKET COURT	63033	10/26/2012 0:30	10/26/2012 0:45	0:15:00	UNKNOWN
BP-115	9 CRICKET COURT	63033	10/26/2012 0:47	10/26/2012 1:05	0:17:30	UNKNOWN
BP-115	9 CRICKET COURT	63033	10/26/2012 1:35	10/26/2012 1:37	0:02:30	UNKNOWN
BP-198	1324 ROCK HILL ROAD	63124	9/7/2012 18:25	9/7/2012 18:52	0:27:30	UNKNOWN
BP-198	1324 ROCK HILL ROAD	63124	9/26/2012 1:12	9/26/2012 1:30	0:17:30	UNKNOWN
BP-198	1324 ROCK HILL ROAD	63124	9/26/2012 1:40	9/26/2012 2:27	0:47:30	UNKNOWN
BP-220	5626 GREENTON WAY	63128	7/8/2012 19:32	7/8/2012 19:52	0:20:00	UNKNOWN
BP-222	2560 ROLENS DRIVE	63129	7/8/2012 18:32	7/8/2012 18:40	0:07:30	UNKNOWN
BP-255	7503 BERMUDA	63121	8/31/2012 17:15	8/31/2012 17:40	0:25:00	UNKNOWN
BP-255	7503 BERMUDA	63121	8/31/2012 17:45	8/31/2012 18:02	0:17:30	UNKNOWN
BP-255	7503 BERMUDA	63121	9/7/2012 17:05	9/7/2012 17:20	0:15:00	UNKNOWN
BP-255	7503 BERMUDA	63121	9/26/2012 1:02	9/26/2012 1:10	0:07:30	UNKNOWN
BP-255	7503 BERMUDA	63121	10/25/2012 18:10	10/25/2012 18:12	0:02:30	UNKNOWN
BP-255	7503 BERMUDA	63121	10/25/2012 18:35	10/25/2012 18:42	0:07:30	UNKNOWN
BP-256	7501 BELWOOD	63121	8/31/2012 17:15	8/31/2012 17:27	0:12:30	UNKNOWN
BP-256	7501 BELWOOD	63121	8/31/2012 17:47	8/31/2012 17:55	0:07:30	UNKNOWN
BP-256	7501 BELWOOD	63121	9/7/2012 17:05	9/7/2012 17:15	0:10:00	UNKNOWN
BP-281	413 AVERILL AVENUE	63135	7/14/2012 15:40	7/14/2012 17:35	1:55:00	UNKNOWN
BP-288	2372 COLLETT DRIVE	63136	7/18/2012 11:47	7/18/2012 12:50	1:02:30	UNKNOWN
BP-288	2372 COLLETT DRIVE	63136	7/18/2012 13:20	7/18/2012 13:22	0:02:30	UNKNOWN
BP-288	2372 COLLETT DRIVE	63136	7/18/2012 14:12	7/18/2012 14:17	0:05:00	UNKNOWN
BP-288	2372 COLLETT DRIVE	63136	7/18/2012 15:07	7/18/2012 15:10	0:02:30	UNKNOWN
BP-288	2372 COLLETT DRIVE	63136	7/18/2012 16:02	7/18/2012 16:05	0:02:30	UNKNOWN
BP-288	2372 COLLETT DRIVE	63136	7/18/2012 17:05	7/18/2012 17:07	0:02:30	UNKNOWN
BP-288	2372 COLLETT DRIVE	63136	7/18/2012 17:10	7/18/2012 17:12	0:02:30	UNKNOWN
BP-288	2372 COLLETT DRIVE	63136	7/18/2012 17:15	7/18/2012 17:17	0:02:30	UNKNOWN
BP-288	2372 COLLETT DRIVE	63136	7/18/2012 17:20	7/18/2012 22:50	5:30:00	UNKNOWN
BP-288	2372 COLLETT DRIVE	63136	7/18/2012 22:52	7/18/2012 23:05	0:12:30	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	8/8/2012 22:10	8/8/2012 22:15	0:05:00	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	8/16/2012 14:25	8/16/2012 14:32	0:07:30	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	8/26/2012 17:50	8/26/2012 18:12	0:22:30	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	8/27/2012 0:07	8/27/2012 0:12	0:05:00	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	8/27/2012 0:35	8/27/2012 0:52	0:17:30	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	8/31/2012 12:32	8/31/2012 12:35	0:02:30	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	8/31/2012 13:37	8/31/2012 13:40	0:02:30	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	8/31/2012 17:10	8/31/2012 18:00	0:50:00	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	9/1/2012 10:10	9/1/2012 10:20	0:10:00	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	9/7/2012 16:35	9/7/2012 16:42	0:07:30	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	9/7/2012 16:57	9/7/2012 17:20	0:22:30	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	9/25/2012 19:20	9/25/2012 19:35	0:15:00	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	9/26/2012 0:10	9/26/2012 0:27	0:17:30	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	9/26/2012 0:57	9/26/2012 1:10	0:12:30	UNKNOWN



Table A-1: Constructed SSO Activation Data

(07/01/2012 - 12/31/2012)

Bypass Number	Address	Zip Code	Event Start Date	Event End Date	Event Duration (day hh:mm:ss)	Estimated Volume (gallons)
BP-292	7669 FLORISSANT ROAD	63121	10/5/2012 8:20	10/5/2012 8:25	0:05:00	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	10/14/2012 1:02	10/14/2012 1:07	0:05:00	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	10/17/2012 16:45	10/17/2012 16:50	0:05:00	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	10/25/2012 18:00	10/25/2012 18:10	0:10:00	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	10/25/2012 18:27	10/25/2012 18:37	0:10:00	UNKNOWN
BP-333	12 COUNTRYSIDE LANE	63131	7/8/2012 19:40	7/8/2012 20:12	0:32:30	UNKNOWN
BP-333	12 COUNTRYSIDE LANE	63131	8/26/2012 18:00	8/26/2012 18:37	0:37:30	UNKNOWN
BP-333	12 COUNTRYSIDE LANE	63131	9/1/2012 21:17	9/1/2012 21:35	0:17:30	UNKNOWN
BP-333	12 COUNTRYSIDE LANE	63131	9/7/2012 17:07	9/7/2012 18:12	1:05:00	UNKNOWN
BP-333	12 COUNTRYSIDE LANE	63131	9/7/2012 18:27	9/7/2012 19:22	0:55:00	UNKNOWN
BP-333	12 COUNTRYSIDE LANE	63131	9/25/2012 17:25	9/25/2012 17:52	0:27:30	UNKNOWN
BP-333	12 COUNTRYSIDE LANE	63131	9/25/2012 19:37	9/25/2012 20:15	0:37:30	UNKNOWN
BP-333	12 COUNTRYSIDE LANE	63131	9/26/2012 0:55	9/26/2012 2:02	1:07:30	UNKNOWN
BP-348	24 OVERBROOK LANE	63124	9/26/2012 1:20	9/26/2012 2:12	0:52:30	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	7/8/2012 20:15	7/8/2012 21:17	1:02:30	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	8/26/2012 19:05	8/26/2012 19:15	0:10:00	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	9/7/2012 17:47	9/7/2012 20:17	2:30:00	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	9/26/2012 1:15	9/26/2012 3:07	1:52:30	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	10/8/2012 1:02	10/8/2012 1:30	0:27:30	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	10/8/2012 1:37	10/8/2012 1:50	0:12:30	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	10/8/2012 1:57	10/8/2012 2:00	0:02:30	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	10/8/2012 2:35	10/8/2012 3:20	0:45:00	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	10/8/2012 3:37	10/8/2012 6:55	3:17:30	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	10/8/2012 7:02	10/8/2012 7:20	0:17:30	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	10/8/2012 7:27	10/8/2012 7:32	0:05:00	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	10/8/2012 7:35	10/8/2012 7:45	0:10:00	UNKNOWN
BP-361	1030 AYRES DRIVE	63126	7/8/2012 18:52	7/8/2012 19:07	0:15:00	UNKNOWN
BP-370	7501 CAPILIA DRIVE	63123	7/8/2012 19:05	7/8/2012 19:35	0:30:00	UNKNOWN
BP-370	7501 CAPILIA DRIVE	63123	11/13/2012 6:30	11/18/2012 19:07	5:12:37:00	UNKNOWN
BP-389	8990 LACLEDE STATION ROAD	63123	7/8/2012 18:55	7/8/2012 19:27	0:32:30	UNKNOWN
BP-404	9400 STERLING PLACE	63123	7/8/2012 18:55	7/8/2012 18:57	0:02:30	UNKNOWN
BP-404	9400 STERLING PLACE	63123	7/8/2012 19:02	7/8/2012 19:37	0:35:00	UNKNOWN
BP-416	9431 BONHOMME WOODS	63132	10/25/2012 18:32	10/25/2012 19:20	0:47:30	UNKNOWN
BP-416	9431 BONHOMME WOODS	63132	11/11/2012 22:55	11/11/2012 23:10	0:15:00	UNKNOWN
BP-417	9445 BONHOMME WOODS	63132	9/26/2012 0:25	9/26/2012 0:52	0:27:30	UNKNOWN
BP-440	219 OLD ORCHARD	63119	7/8/2012 19:02	7/8/2012 19:05	0:02:30	UNKNOWN
BP-477	829 WARDER AVENUE	63130	10/25/2012 18:20	10/25/2012 18:32	0:12:30	UNKNOWN
BP-511	2700 FEE FEE	63043	12/30/2012 4:22	12/30/2012 10:10	5:47:30	UNKNOWN
BP-515	9443 KIRCHNER	63125	7/8/2012 18:32	7/8/2012 18:45	0:12:30	UNKNOWN
BP-516	2559 ROLENS	63129	7/8/2012 18:55	7/8/2012 19:15	0:20:00	UNKNOWN
BP-522	10813 BERNADINE	63123	7/8/2012 18:30	7/8/2012 20:15	1:45:00	UNKNOWN
BP-522	10813 BERNADINE	63123	7/18/2012 21:30	7/18/2012 21:37	0:07:30	UNKNOWN
BP-522	10813 BERNADINE	63123	8/31/2012 16:57	8/31/2012 17:05	0:07:30	UNKNOWN
BP-527	8240 LINDBERGH	63031	8/31/2012 18:00	8/31/2012 21:17	3:17:30	UNKNOWN
BP-527	8240 LINDBERGH	63031	9/1/2012 0:52	9/1/2012 0:55	0:02:30	UNKNOWN
BP-532	6934 WINCHESTER	63121	8/26/2012 18:07	8/26/2012 18:15	0:07:30	UNKNOWN
BP-532	6934 WINCHESTER	63121	8/27/2012 0:45	8/27/2012 0:50	0:05:00	UNKNOWN
BP-532	6934 WINCHESTER	63121	8/31/2012 17:17	8/31/2012 18:07	0:50:00	UNKNOWN
BP-532	6934 WINCHESTER	63121	9/7/2012 17:07	9/7/2012 17:25	0:17:30	UNKNOWN
BP-532	6934 WINCHESTER	63121	9/26/2012 0:20	9/26/2012 0:30	0:10:00	UNKNOWN
BP-532	6934 WINCHESTER	63121	9/26/2012 1:07	9/26/2012 1:10	0:02:30	UNKNOWN
BP-557	685 EDGAR ROAD	63119	7/8/2012 18:57	7/8/2012 19:27	0:30:00	UNKNOWN
BP-571	515 NEW FLORISSANT	63031	8/31/2012 17:57	8/31/2012 18:57	1:00:00	UNKNOWN
BP-572	515 NEW FLORISSANT	63031	8/31/2012 18:10	8/31/2012 18:47	0:37:30	UNKNOWN
BP-578	353 ATALANTA	63119	12/11/2012 5:42	12/11/2012 9:22	3:40:00	UNKNOWN



Table A-1: Constructed SSO Activation Data

(07/01/2012 - 12/31/2012)

Bypass Number	Address	Zip Code	Event Start Date	Event End Date	Event Duration (day hh:mm:ss)	Estimated Volume (gallons)
BP-581	7500 BULL RUN	63123	7/8/2012 18:50	7/8/2012 19:10	0:20:00	UNKNOWN
BP-581	7500 BULL RUN	63123	7/8/2012 19:20	7/8/2012 19:50	0:30:00	UNKNOWN
BP-587	475 WEST JACKSON	63119	7/8/2012 18:57	7/8/2012 19:02	0:05:00	UNKNOWN
BP-587	475 WEST JACKSON	63119	9/26/2012 0:55	9/26/2012 1:05	0:10:00	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	7/8/2012 19:57	7/8/2012 21:55	1:57:30	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	8/26/2012 18:25	8/26/2012 19:45	1:20:00	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	8/31/2012 18:25	8/31/2012 20:52	2:27:30	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	8/31/2012 23:02	9/1/2012 1:27	2:25:00	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	9/1/2012 11:05	9/1/2012 12:00	0:55:00	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	9/1/2012 12:37	9/1/2012 13:37	1:00:00	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	9/1/2012 21:50	9/1/2012 23:00	1:10:00	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	9/7/2012 17:50	9/7/2012 20:50	3:00:00	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	9/25/2012 20:15	9/25/2012 21:12	0:57:30	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	9/26/2012 1:02	9/26/2012 3:17	2:15:00	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	10/14/2012 1:50	10/14/2012 3:35	1:45:00	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	10/25/2012 18:47	10/25/2012 22:22	3:35:00	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	11/11/2012 20:45	11/12/2012 0:30	3:45:00	UNKNOWN
BP-605	22 HILLVALE	63105	8/31/2012 17:12	8/31/2012 17:20	0:07:30	UNKNOWN
BP-605	22 HILLVALE	63105	9/1/2012 10:00	9/1/2012 10:05	0:05:00	UNKNOWN
BP-605	22 HILLVALE	63105	9/7/2012 16:40	9/7/2012 16:47	0:07:30	UNKNOWN
BP-605	22 HILLVALE	63105	9/7/2012 16:57	9/7/2012 17:05	0:07:30	UNKNOWN
BP-605	22 HILLVALE	63105	9/17/2012 20:57	9/17/2012 21:05	0:07:30	UNKNOWN
BP-605	22 HILLVALE	63105	9/25/2012 17:17	9/25/2012 17:22	0:05:00	UNKNOWN
BP-605	22 HILLVALE	63105	9/26/2012 0:47	9/26/2012 1:05	0:17:30	UNKNOWN
BP-610	11046 WYLESTONE	63126	7/8/2012 18:52	7/8/2012 18:55	0:02:30	UNKNOWN
BP-610	11046 WYLESTONE	63126	7/8/2012 18:57	7/8/2012 19:55	0:57:30	UNKNOWN
BP-612	3926 CANTERBURY	63121	8/31/2012 17:15	8/31/2012 17:20	0:05:00	UNKNOWN
BP-612	3926 CANTERBURY	63121	9/7/2012 17:02	9/7/2012 17:07	0:05:00	UNKNOWN
BP-617	9 HOLLY	63119	7/8/2012 18:35	7/8/2012 19:10	0:35:00	UNKNOWN
BP-617	9 HOLLY	63119	8/26/2012 18:02	8/26/2012 18:07	0:05:00	UNKNOWN
BP-617	9 HOLLY	63119	9/26/2012 0:50	9/26/2012 0:55	0:05:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	7/8/2012 18:15	7/8/2012 20:45	2:30:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	8/4/2012 5:32	8/4/2012 5:52	0:20:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	8/4/2012 6:52	8/4/2012 7:12	0:20:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	8/4/2012 8:12	8/4/2012 8:22	0:10:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	8/4/2012 23:42	8/5/2012 0:07	0:25:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	8/13/2012 0:47	8/13/2012 1:02	0:15:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	8/13/2012 1:27	8/13/2012 1:35	0:07:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	8/26/2012 18:07	8/26/2012 18:22	0:15:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	8/31/2012 12:22	8/31/2012 12:27	0:05:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	8/31/2012 16:22	8/31/2012 16:32	0:10:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	8/31/2012 17:02	8/31/2012 18:05	1:02:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	8/31/2012 21:47	8/31/2012 23:35	1:47:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/1/2012 9:57	9/1/2012 10:12	0:15:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/1/2012 11:47	9/1/2012 11:55	0:07:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/1/2012 15:27	9/1/2012 15:47	0:20:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/5/2012 9:22	9/5/2012 9:32	0:10:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/7/2012 17:27	9/7/2012 17:42	0:15:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/7/2012 18:37	9/7/2012 19:07	0:30:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/14/2012 5:47	9/14/2012 6:00	0:12:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/25/2012 17:17	9/25/2012 17:32	0:15:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/25/2012 21:42	9/25/2012 22:12	0:30:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/26/2012 0:52	9/26/2012 1:22	0:30:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/28/2012 1:02	9/28/2012 1:22	0:20:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	10/5/2012 9:42	10/5/2012 10:10	0:27:30	UNKNOWN



Table A-1: Constructed SSO Activation Data

(07/01/2012 - 12/31/2012)

Bypass Number	Address	Zip Code	Event Start Date	Event End Date	Event Duration (day hh:mm:ss)	Estimated Volume (gallons)
BP-618	9058 ROSEMARY AVENUE	63123	10/5/2012 10:22	10/5/2012 12:07	1:45:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	10/5/2012 15:02	10/5/2012 15:10	0:07:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	10/5/2012 15:40	10/5/2012 17:12	1:32:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	10/14/2012 0:27	10/14/2012 0:40	0:12:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	10/14/2012 1:00	10/14/2012 2:07	1:07:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	10/17/2012 16:50	10/17/2012 18:15	1:25:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	10/22/2012 8:10	10/22/2012 8:15	0:05:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	10/22/2012 10:57	10/22/2012 12:22	1:25:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	10/22/2012 12:25	10/22/2012 14:32	2:07:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	10/22/2012 14:37	10/22/2012 14:42	0:05:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	10/25/2012 19:05	10/25/2012 19:10	0:05:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	11/11/2012 15:25	11/11/2012 15:32	0:07:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	11/11/2012 15:37	11/11/2012 18:17	2:40:00	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	11/11/2012 19:17	11/11/2012 23:30	4:12:30	UNKNOWN
BP-619	700 VALLEY DRIVE	63137	8/31/2012 17:35	8/31/2012 18:20	0:45:00	UNKNOWN
BP-619	700 VALLEY DRIVE	63137	9/25/2012 19:32	9/25/2012 19:35	0:02:30	UNKNOWN
BP-619	700 VALLEY DRIVE	63137	9/26/2012 1:12	9/26/2012 1:20	0:07:30	UNKNOWN
BP-623	8024 WALINKA	63105	8/13/2012 0:37	8/13/2012 0:42	0:05:00	UNKNOWN
BP-623	8024 WALINKA	63105	8/26/2012 18:00	8/26/2012 18:10	0:10:00	UNKNOWN
BP-623	8024 WALINKA	63105	8/31/2012 17:15	8/31/2012 17:22	0:07:30	UNKNOWN
BP-623	8024 WALINKA	63105	9/1/2012 10:02	9/1/2012 10:05	0:02:30	UNKNOWN
BP-623	8024 WALINKA	63105	9/7/2012 16:40	9/7/2012 17:17	0:37:30	UNKNOWN
BP-623	8024 WALINKA	63105	9/25/2012 17:20	9/25/2012 17:25	0:05:00	UNKNOWN
BP-623	8024 WALINKA	63105	9/26/2012 0:47	9/26/2012 1:07	0:20:00	UNKNOWN
BP-629	10809 FARADAY	63123	7/8/2012 18:37	7/8/2012 20:02	1:25:00	UNKNOWN
BP-631	8651 WATSON	63119	7/8/2012 18:52	7/8/2012 19:15	0:23:00	UNKNOWN
BP-634	7575 OXFORD	63105	8/13/2012 0:40	8/13/2012 0:47	0:07:30	UNKNOWN
BP-634	7575 OXFORD	63105	8/26/2012 18:02	8/26/2012 18:17	0:15:00	UNKNOWN
BP-634	7575 OXFORD	63105	8/31/2012 17:15	8/31/2012 17:30	0:15:00	UNKNOWN
BP-634	7575 OXFORD	63105	9/7/2012 16:40	9/7/2012 17:35	0:55:00	UNKNOWN
BP-634	7575 OXFORD	63105	9/26/2012 0:47	9/26/2012 1:17	0:30:00	UNKNOWN



**Table A-2: Constructed SSO Activation Data - Excluded Events**  
(07/01/2012 - 12/31/2012)

Bypass Number	Address	Zip Code	Event Start Date	Event End Date	Event Duration (day hh:mm:ss)	Estimated Volume (gallons)
BP-003	36 BRIARCLIFF DRIVE	63124	10/4/2012 12:10	10/4/2012 12:17	0:07:30	UNKNOWN
BP-008	7906 ELINORE	63117	7/2/2012 11:17	7/2/2012 11:25	0:07:30	UNKNOWN
BP-008	7906 ELINORE	63117	7/6/2012 11:45	7/6/2012 13:07	1:22:30	UNKNOWN
BP-008	7906 ELINORE	63117	7/6/2012 13:15	7/6/2012 13:50	0:35:00	UNKNOWN
BP-013	842 LOUWEN DRIVE	63124	10/1/2012 8:35	10/1/2012 8:42	0:07:30	UNKNOWN
BP-014	100 MCKNIGHT ROAD	63124	10/4/2012 12:52	10/4/2012 12:55	0:02:30	UNKNOWN
BP-014	100 MCKNIGHT ROAD	63124	10/4/2012 13:02	10/4/2012 13:10	0:07:30	UNKNOWN
BP-015	614 OAKBROOK	63132	8/2/2012 9:27	8/2/2012 9:37	0:10:00	UNKNOWN
BP-016	14 OAKLEIGH	63124	7/25/2012 8:32	7/25/2012 8:47	0:15:00	UNKNOWN
BP-017	126 POINTER LANE	63124	9/19/2012 12:25	9/19/2012 12:30	0:05:00	UNKNOWN
BP-018	8131 ROXBURGH DRIVE	63105	9/13/2012 9:47	9/13/2012 9:52	0:05:00	UNKNOWN
BP-024	2338 GOODALE	63114	8/2/2012 9:27	8/2/2012 9:35	0:07:30	UNKNOWN
BP-033	94 BURNING TREE DRIVE	63017	10/3/2012 10:47	10/3/2012 10:55	0:07:30	UNKNOWN
BP-037	14936 COUNTRY RIDGE DRIVE	63017	10/2/2012 12:05	10/2/2012 12:10	0:05:00	UNKNOWN
BP-039	15580 HIGHCROFT	63017	10/2/2012 10:25	10/2/2012 10:32	0:07:30	UNKNOWN
BP-068	2410 BRUNO	63114	7/23/2012 10:00	7/23/2012 10:05	0:05:00	UNKNOWN
BP-080	2466 MAJORLEE	63114	7/16/2012 10:52	7/16/2012 11:00	0:07:30	UNKNOWN
BP-083	107 MIDLAND BOULEVARD	63043	8/2/2012 11:40	8/2/2012 11:42	0:02:30	UNKNOWN
BP-086	11220 TRIESTE DRIVE	63146	10/4/2012 10:45	10/4/2012 10:52	0:07:30	UNKNOWN
BP-087	11749 WESTPORT CROSSING	63146	10/4/2012 11:47	10/4/2012 11:55	0:07:30	UNKNOWN
BP-094	899 ALANSON	63132	8/2/2012 8:15	8/2/2012 8:22	0:07:30	UNKNOWN
BP-095	2468 CHAUCER	63114	8/1/2012 8:12	8/1/2012 8:20	0:07:30	UNKNOWN
BP-119	9083 FROST AVENUE	63134	10/2/2012 8:32	10/2/2012 8:40	0:07:30	UNKNOWN
BP-145	2529 SIMS AVENUE	63114	8/2/2012 8:25	8/2/2012 8:32	0:07:30	UNKNOWN
BP-151	425 WENNEKER	63124	9/6/2012 10:35	9/6/2012 10:42	0:07:30	UNKNOWN
BP-155	23 WARSON TERRACE	63124	10/1/2012 13:15	10/1/2012 13:22	0:07:30	UNKNOWN
BP-158	1182 GLENWAY DRIVE	63122	8/10/2012 9:55	8/10/2012 10:00	0:05:00	UNKNOWN
BP-166	10405 CLAYTON ROAD	63131	10/1/2012 11:40	10/1/2012 11:47	0:07:30	UNKNOWN
BP-170	10042 CONWAY ROAD	63124	10/5/2012 9:50	10/5/2012 10:02	0:12:30	UNKNOWN
BP-170	10042 CONWAY ROAD	63124	10/5/2012 10:05	10/5/2012 10:12	0:07:30	UNKNOWN
BP-181	2467 HERMITAGE HILL LANE	63131	7/31/2012 9:45	7/31/2012 9:52	0:07:30	UNKNOWN
BP-181	2467 HERMITAGE HILL LANE	63131	8/8/2012 10:30	8/8/2012 10:37	0:07:30	UNKNOWN
BP-183	80 LADUE ESTATES DRIVE EAST	63141	10/3/2012 12:15	10/3/2012 12:22	0:07:30	UNKNOWN
BP-187	470 BELLEVIEW	63119	7/13/2012 13:07	7/13/2012 13:17	0:10:00	UNKNOWN
BP-198	1324 ROCK HILL ROAD	63124	10/2/2012 12:57	10/2/2012 13:10	0:12:30	UNKNOWN
BP-199	10 SHERWYN LANE	63141	10/10/2012 8:22	10/10/2012 8:30	0:07:30	UNKNOWN
BP-203	2 VILLA COUBLAY DRIVE	63131	7/9/2012 8:27	7/9/2012 8:37	0:10:00	UNKNOWN
BP-206	233 WARSON ROAD	63124	10/4/2012 13:17	10/4/2012 13:27	0:10:00	UNKNOWN
BP-210	1426 BAYONNE DRIVE	63138	10/1/2012 10:17	10/1/2012 10:27	0:10:00	UNKNOWN
BP-211	1429 CROSSET DRIVE	63138	10/1/2012 9:07	10/1/2012 9:10	0:02:30	UNKNOWN
BP-211	1429 CROSSET DRIVE	63138	10/1/2012 9:27	10/1/2012 9:40	0:12:30	UNKNOWN
BP-213	1438 REALE	63138	9/14/2012 11:15	9/14/2012 11:20	0:05:00	UNKNOWN
BP-214	11776 TALBOTT COURT	63138	7/24/2012 7:42	7/24/2012 7:50	0:07:30	UNKNOWN
BP-216	1508 LYNKIRK LANE	63122	7/30/2012 10:35	7/30/2012 10:45	0:10:00	UNKNOWN
BP-219	5698 DANTONAIRE PLACE	63128	8/1/2012 12:52	8/1/2012 13:00	0:07:30	UNKNOWN
BP-220	5626 GREENTON WAY	63128	8/1/2012 11:45	8/1/2012 11:55	0:10:00	UNKNOWN
BP-252	4619 EDGEWOOD BOULEVARD	63121	8/27/2012 11:57	8/27/2012 12:02	0:05:00	UNKNOWN
BP-255	7503 BERMUDA	63121	10/2/2012 11:15	10/2/2012 11:22	0:07:30	UNKNOWN
BP-256	7501 BELWOOD	63121	7/16/2012 8:42	7/16/2012 8:57	0:15:00	UNKNOWN
BP-281	413 AVERILL AVENUE	63135	7/31/2012 8:52	7/31/2012 9:00	0:07:30	UNKNOWN
BP-287	10063 COBURGH LANDS DRIVE	63137	7/20/2012 7:57	7/20/2012 8:05	0:07:30	UNKNOWN
BP-288	2372 COLLETT DRIVE	63136	7/5/2012 7:40	7/5/2012 7:45	0:05:00	UNKNOWN
BP-289	9600 COLONY DRIVE	63137	10/4/2012 10:17	10/4/2012 10:32	0:15:00	UNKNOWN
BP-291	75 FLORIDALE COURT	63135	10/2/2012 10:30	10/2/2012 10:37	0:07:30	UNKNOWN
BP-292	7669 FLORISSANT ROAD	63121	7/3/2012 7:10	7/3/2012 7:17	0:07:30	UNKNOWN
BP-295	1032 FORESTWOOD DRIVE	63135	7/31/2012 10:37	7/31/2012 10:55	0:17:30	UNKNOWN
BP-296	201 FORESTWOOD DRIVE	63135	7/31/2012 9:30	7/31/2012 9:40	0:10:00	UNKNOWN



**Table A-2: Constructed SSO Activation Data - Excluded Events**  
(07/01/2012 - 12/31/2012)

Bypass Number	Address	Zip Code	Event Start Date	Event End Date	Event Duration (day hh:mm:ss)	Estimated Volume (gallons)
BP-303	1304 LANG DRIVE	63135	8/1/2012 9:07	8/1/2012 9:15	0:07:30	UNKNOWN
BP-313	1904 PRIOR	63136	8/1/2012 10:52	8/1/2012 11:00	0:07:30	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	7/31/2012 2:02	7/31/2012 4:10	2:07:30	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	7/31/2012 4:17	7/31/2012 6:00	1:42:30	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	7/31/2012 6:07	7/31/2012 6:22	0:15:00	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	8/1/2012 9:10	8/1/2012 9:15	0:05:00	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	8/1/2012 9:22	8/1/2012 9:35	0:12:30	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	8/1/2012 9:42	8/1/2012 9:45	0:02:30	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	8/1/2012 18:12	8/1/2012 19:10	0:57:30	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	8/5/2012 3:02	8/5/2012 3:32	0:30:00	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	8/5/2012 3:40	8/5/2012 3:55	0:15:00	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	8/5/2012 5:05	8/5/2012 6:07	1:02:30	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	8/6/2012 2:02	8/6/2012 6:32	4:30:00	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	8/6/2012 6:37	8/6/2012 6:40	0:02:30	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	8/7/2012 9:02	8/8/2012 7:00	21:57:30	UNKNOWN
BP-315	145 ROBERT AVENUE	63135	8/8/2012 7:07	8/8/2012 7:10	0:02:30	UNKNOWN
BP-317	729 SCIENCE HILL	63137	7/20/2012 9:57	7/20/2012 10:05	0:07:30	UNKNOWN
BP-322	820 THATCHER AVENUE	63135	10/2/2012 9:45	10/2/2012 9:47	0:02:30	UNKNOWN
BP-333	12 COUNTRYSIDE LANE	63131	10/1/2012 12:42	10/1/2012 12:50	0:07:30	UNKNOWN
BP-340	1104 DES PERES ROAD	63119	10/4/2012 9:55	10/4/2012 10:07	0:12:30	UNKNOWN
BP-343	11115 HERMITAGE HILL LANE	63131	8/9/2012 10:45	8/9/2012 10:50	0:05:00	UNKNOWN
BP-348	24 OVERBROOK LANE	63124	7/3/2012 8:00	7/3/2012 8:07	0:07:30	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	10/4/2012 8:02	10/4/2012 8:12	0:10:00	UNKNOWN
BP-349	25 OVERBROOK LANE	63124	10/4/2012 9:10	10/4/2012 9:20	0:10:00	UNKNOWN
BP-382	9415 GATES MANOR	63126	8/13/2012 13:17	8/13/2012 13:30	0:12:30	UNKNOWN
BP-385	908 TAYLOR AVENUE	63122	8/13/2012 9:42	8/13/2012 10:02	0:20:00	UNKNOWN
BP-393	572 LEFFINGWELL	63122	8/13/2012 8:40	8/13/2012 8:47	0:07:30	UNKNOWN
BP-400	918 OHLMAN AVENUE	63122	8/13/2012 11:47	8/13/2012 11:55	0:07:30	UNKNOWN
BP-404	9400 STERLING PLACE	63123	9/20/2012 10:10	9/20/2012 10:17	0:07:30	UNKNOWN
BP-407	903 HARRISON (SOUTH)	63122	7/23/2012 7:47	7/23/2012 7:57	0:10:00	UNKNOWN
BP-409	10229 E. WATSON	63127	8/13/2012 12:37	8/13/2012 12:45	0:07:30	UNKNOWN
BP-412	1933 ALERT	63114	7/23/2012 7:30	7/23/2012 7:37	0:07:30	UNKNOWN
BP-419	8345 BUCHANAN	63114	10/9/2012 7:55	10/9/2012 8:05	0:10:00	UNKNOWN
BP-421	8507 CRIXDALE AVENUE	63132	8/2/2012 10:22	8/2/2012 10:30	0:07:30	UNKNOWN
BP-435	8359 MADISON	63114	7/6/2012 11:05	7/6/2012 11:10	0:05:00	UNKNOWN
BP-435	8359 MADISON	63114	7/6/2012 11:35	7/6/2012 11:55	0:20:00	UNKNOWN
BP-435	8359 MADISON	63114	7/6/2012 12:12	7/6/2012 12:20	0:07:30	UNKNOWN
BP-451	2312 ROCKDALE DRIVE	63121	10/2/2012 12:10	10/2/2012 12:17	0:07:30	UNKNOWN
BP-454	7711 ST. CHARLES ROCK ROAD	63114	8/28/2012 12:35	8/28/2012 13:10	0:35:00	UNKNOWN
BP-456	1712 UCEYLE	63114	8/1/2012 10:05	8/1/2012 10:10	0:05:00	UNKNOWN
BP-457	7700 UNDERHILL DRIVE	63133	10/5/2012 9:12	10/5/2012 9:20	0:07:30	UNKNOWN
BP-458	7703 UNDERHILL DRIVE	63133	10/5/2012 9:45	10/5/2012 9:52	0:07:30	UNKNOWN
BP-471	1 WINDRUSH WEST	63141	10/4/2012 8:32	10/4/2012 8:42	0:10:00	UNKNOWN
BP-478	20 YORK	63144	9/24/2012 13:20	9/24/2012 13:27	0:07:30	UNKNOWN
BP-491	11050 GALAXY COURT	63043	8/10/2012 8:30	8/10/2012 8:42	0:12:30	UNKNOWN
BP-496	937 GLENBROOK	63122	8/10/2012 12:15	8/10/2012 12:20	0:05:00	UNKNOWN
BP-501	907 WARSON WOODS (B)	63122	8/7/2012 7:55	8/7/2012 8:02	0:07:30	UNKNOWN
BP-504	1601 RIDGEWOOD DRIVE	63126	9/10/2012 10:35	9/10/2012 10:45	0:10:00	UNKNOWN
BP-511	2700 FEE FEE	63043	10/4/2012 13:35	10/4/2012 13:40	0:05:00	UNKNOWN
BP-515	9443 KIRCHNER	63125	9/20/2012 7:17	9/20/2012 7:25	0:07:30	UNKNOWN
BP-522	10813 BERNADINE	63123	7/19/2012 8:15	7/19/2012 8:25	0:10:00	UNKNOWN
BP-527	8240 LINDBERGH	63031	8/15/2012 0:07	8/15/2012 0:17	0:10:00	UNKNOWN
BP-527	8240 LINDBERGH	63031	8/15/2012 10:47	8/15/2012 10:55	0:07:30	UNKNOWN
BP-532	6934 WINCHESTER	63121	7/3/2012 7:55	7/3/2012 8:07	0:12:30	UNKNOWN
BP-533	8914 SHAWNEE	63114	10/3/2012 12:40	10/3/2012 12:47	0:07:30	UNKNOWN
BP-537	2667 ADIE	63043	7/23/2012 8:52	7/23/2012 9:00	0:07:30	UNKNOWN
BP-545	1100 DES PERES DRIVE	63119	9/10/2012 9:10	9/10/2012 9:17	0:07:30	UNKNOWN



**Table A-2: Constructed SSO Activation Data - Excluded Events**  
(07/01/2012 - 12/31/2012)

Bypass Number	Address	Zip Code	Event Start Date	Event End Date	Event Duration (day hh:mm:ss)	Estimated Volume (gallons)
BP-555	11230 HERMITAGE HILL	63131	7/31/2012 11:12	7/31/2012 11:20	0:07:30	UNKNOWN
BP-555	11230 HERMITAGE HILL	63131	8/9/2012 11:45	8/9/2012 11:55	0:10:00	UNKNOWN
BP-557	685 EDGAR ROAD	63119	7/31/2012 10:00	7/31/2012 10:12	0:12:30	UNKNOWN
BP-583	8435 LOUWEN	63124	9/6/2012 8:37	9/6/2012 8:50	0:12:30	UNKNOWN
BP-587	475 WEST JACKSON	63119	8/10/2012 13:05	8/10/2012 13:15	0:10:00	UNKNOWN
BP-588	3650 NAVAJO DR	63125	7/18/2012 7:27	7/18/2012 7:35	0:07:30	UNKNOWN
BP-591	10201 LYLEWOOD DRIVE	63124	10/9/2012 9:37	10/9/2012 9:45	0:07:30	UNKNOWN
BP-597	4429 ROLLING DRIVE	63134	8/28/2012 10:05	8/28/2012 10:55	0:50:00	UNKNOWN
BP-599	8711 PARDEE LANE	63126	8/10/2012 7:47	8/10/2012 7:57	0:10:00	UNKNOWN
BP-605	22 HILLVALE	63105	8/13/2012 9:05	8/13/2012 9:15	0:10:00	UNKNOWN
BP-607	10960 LANGDON WAY	63141	10/4/2012 9:40	10/4/2012 9:45	0:05:00	UNKNOWN
BP-610	11046 WYLESTONE	63126	9/10/2012 12:45	9/10/2012 13:00	0:15:00	UNKNOWN
BP-612	3926 CANTERBURY	63121	7/31/2012 12:22	7/31/2012 12:30	0:07:30	UNKNOWN
BP-617	9 HOLLY	63119	7/31/2012 12:00	7/31/2012 12:12	0:12:30	UNKNOWN
BP-618	9058 ROSEMARY AVENUE	63123	9/20/2012 8:40	9/20/2012 8:57	0:17:30	UNKNOWN
BP-619	700 VALLEY DRIVE	63137	10/1/2012 11:12	10/1/2012 11:20	0:07:30	UNKNOWN
BP-621	1479 ENGELHOLM	63133	10/3/2012 11:57	10/3/2012 12:02	0:05:00	UNKNOWN
BP-623	8024 WALINKA	63105	7/27/2012 10:05	7/27/2012 10:32	0:27:30	UNKNOWN
BP-624	104 HANS	63125	7/2/2012 7:40	7/2/2012 8:07	0:27:30	UNKNOWN
BP-627	26 MORWOOD	63141	8/1/2012 11:40	8/1/2012 11:50	0:10:00	UNKNOWN
BP-631	8651 WATSON	63119	7/31/2012 12:52	7/31/2012 13:02	0:10:00	UNKNOWN
BP-634	7575 OXFORD	63105	10/4/2012 12:00	10/4/2012 12:07	0:07:30	UNKNOWN



## APPENDIX B: BUILDING BACKUPS

### BUILDING BACKUPS

*Attached and Spreadsheet File Provided on Enclosed Disk*





**Table B-1: Building Backups**  
(07/01/2012 - 12/31/2012, Effective Date 04/27/2012)

Service Request Call Date	Occurred During Current Reporting Period?	Steet Number	Street Name	Zip Code	Watershed/Treatment Plant Service Area	Service Request Work Order Cause	Discharge to Waters of the US?
10/15/2012	X	608	AGEAN	63011	GRAND GLAIZE TREATMENT	BLOCKED MAIN	NO
10/15/2012	X	881	ALANSON	63132	LEMAY TREATMENT	BLOCKED MAIN	NO
6/11/2012		9157	ARVIN	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/8/2012	X	9157	ARVIN	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
8/21/2012	X	3450	ASHBY	63074	COLDWATER TREATMENT	BLOCKED MAIN	NO
8/22/2012	X	3450	ASHBY	63074	COLDWATER TREATMENT	BLOCKED MAIN	NO
12/31/2012	X	1765	ASPEN	63031	COLDWATER TREATMENT	BLOCKED MAIN	NO
7/8/2012	X	9317	ASTER	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
8/31/2012	X	736	AUDUBON	63105	LEMAY TREATMENT	BLOCKED MAIN	NO
6/11/2012		4800	AUTUMN	63123	LEMAY TREATMENT	BLOCKED MAIN	NO
7/8/2012	X	4800	AUTUMN	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/11/2012	X	956	BARBIZON	63021	GRAND GLAIZE TREATMENT	BLOCKED MAIN	NO
7/5/2012	X	958	BARBIZON	63021	GRAND GLAIZE TREATMENT	BLOCKED MAIN	NO
8/15/2012	X	800	BARNES	63124	LEMAY TREATMENT	BLOCKED MAIN	NO
9/2/2012	X	7645	BELWOOD	63121	BISSELL TREATMENT	BLOCKED MAIN	NO
8/10/2012	X	12224	BENNINGTON	63043	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
12/24/2012	X	8843	BOBB	63114	BISSELL TREATMENT	BLOCKED MAIN	NO
7/8/2012	X	6809	BONNIE	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/16/2012	X	6816	BONNIE	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
10/23/2012	X	2482	BONNIEBROOK	63043	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
7/7/2012	X	3530	BONSAI	63129	MERAMEC TREATMENT	BLOCKED MAIN	NO
8/10/2012	X	7121	BRACKLEIGH	63042	COLDWATER TREATMENT	BLOCKED MAIN	NO
8/11/2012	X	7	BRANIFF	63017	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
12/26/2012	X	310	CAITHNESS	63137	BISSELL TREATMENT	BLOCKED MAIN	NO
12/26/2012	X	317	CAITHNESS	63137	BISSELL TREATMENT	BLOCKED MAIN	NO
7/6/2012	X	10502	CAMDEN PARK	63135	BISSELL TREATMENT	BLOCKED MAIN	NO
12/12/2012	X	26	CAPITOL HILL	63136	BISSELL TREATMENT	BLOCKED MAIN	NO
6/9/2012		1664	CAREY	63042	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
6/12/2012		1664	CAREY	63042	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
12/14/2012	X	1664	CAREY	63042	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
12/6/2012	X	7647	CARSWOLD	63105	LEMAY TREATMENT	BLOCKED MAIN	NO
9/5/2012	X	10419	CASTLE	63136	BISSELL TREATMENT	BLOCKED MAIN	NO
10/22/2012	X	10732	CATHY	63123	LEMAY TREATMENT	BLOCKED MAIN	NO
10/22/2012	X	10736	CATHY	63123	LEMAY TREATMENT	BLOCKED MAIN	NO
10/23/2012	X	1446	CHANDELLAY	63146	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
7/4/2012	X	4325	CHATEAU DE VILLE	63129	LEMAY TREATMENT	BLOCKED MAIN	NO
7/4/2012	X	4327	CHATEAU DE VILLE	63129	LEMAY TREATMENT	BLOCKED MAIN	NO
7/6/2012	X	4329	CHATEAU DE VILLE	63129	LEMAY TREATMENT	BLOCKED MAIN	NO
8/21/2012	X	17409	CHESTERFIELD AIRPORT	63005	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
11/12/2012	X	6600	CHIPPEWA	63109	LEMAY TREATMENT	BLOCKED MAIN	NO



**Table B-1: Building Backups**  
(07/01/2012 - 12/31/2012, Effective Date 04/27/2012)

Service Request Call Date	Occurred During Current Reporting Period?	Steet Number	Street Name	Zip Code	Watershed/Treatment Plant Service Area	Service Request Work Order Cause	Discharge to Waters of the US?
7/9/2012	X	1412	CLAYTONIA TERRACE	63117	LEMAY TREATMENT	BLOCKED MAIN	NO
8/23/2012	X	1624	CLOCK TOWER	63138	BISSELL TREATMENT	BLOCKED MAIN	NO
12/30/2012	X	15475	CLOVER RIDGE	63017	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
12/27/2012	X	15540	CLOVER RIDGE	63017	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
8/31/2012	X	1017	COAL BANK	63138	BISSELL TREATMENT	BLOCKED MAIN	NO
9/1/2012	X	1021	COAL BANK	63138	BISSELL TREATMENT	BLOCKED MAIN	NO
10/29/2012	X	1340	COPPERGATE	63138	BISSELL TREATMENT	BLOCKED MAIN	NO
7/9/2012	X	9230	CORAL	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
9/17/2012	X	350	COUNTRY GLEN	63141	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
10/2/2012	X	2363	CRESTLINE	63129	LEMAY TREATMENT	BLOCKED MAIN	NO
11/23/2012	X	14095	CROSS TRAILS	63017	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
8/25/2012	X	10089	DUKE	63136	BISSELL TREATMENT	BLOCKED MAIN	NO
10/18/2012	X	6605	DUNWOLD	63134	COLDWATER TREATMENT	BLOCKED MAIN	NO
12/27/2012	X	632	ELLWINE	63125	LEMAY TREATMENT	BLOCKED MAIN	NO
12/25/2012	X	636	ELLWINE	63125	LEMAY TREATMENT	BLOCKED MAIN	NO
10/22/2012	X	2912	ENDICOTT	63114	BISSELL TREATMENT	BLOCKED MAIN	NO
9/13/2012	X	8316	ETON	63136	BISSELL TREATMENT	BLOCKED MAIN	NO
9/7/2012	X	15917	FAIRWAY LAKE	63017	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
12/6/2012	X	8228	FENDALE	63123	LEMAY TREATMENT	BLOCKED MAIN	NO
7/8/2012	X	7231	FORESTATE	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/8/2012	X	7235	FORESTATE	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
9/23/2012	X	70	FOREST KNOLL	63026	FENTON TREATMENT	BLOCKED MAIN	NO
9/12/2012	X	9314	FORMAN	63123	LEMAY TREATMENT	BLOCKED MAIN	NO
11/20/2012	X	8015	FORSYTH	63105	LEMAY TREATMENT	BLOCKED MAIN	NO
7/10/2012	X	7725	GENERAL SHERMAN	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
10/19/2012	X	6020	GETTYSBURG ESTATES	63129	MERAMEC TREATMENT	BLOCKED MAIN	NO
10/19/2012	X	6026	GETTYSBURG ESTATES	63129	MERAMEC TREATMENT	BLOCKED MAIN	NO
9/18/2012	X	432	GOLDEN VALLEY	63129	LEMAY TREATMENT	BLOCKED MAIN	NO
9/14/2012	X	528	GOLDEN VALLEY	63129	LEMAY TREATMENT	BLOCKED MAIN	NO
12/9/2012	X	262	GRAESER	63141	LEMAY TREATMENT	BLOCKED MAIN	NO
11/11/2012	X	724	GRALEE	63132	LEMAY TREATMENT	BLOCKED MAIN	NO
11/11/2012	X	732	GRALEE	63132	LEMAY TREATMENT	BLOCKED MAIN	NO
9/21/2012	X	110	GUNSTON HALL	63017	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
7/8/2012	X	5024	HEEGE	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/4/2012	X	214	HIGHVIEW	63011	GRAND GLAIZE TREATMENT	BLOCKED MAIN	NO
11/30/2012	X	4700	HILLS	63121	BISSELL TREATMENT	BLOCKED MAIN	NO
6/11/2012		4156	HOFFMEISTER	63125	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/9/2012	X	4156	HOFFMEISTER	63125	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/11/2012	X	1423	HOLDEN	63125	LEMAY TREATMENT	BLOCKED MAIN	NO
8/27/2012	X	102	HOLLY	63119	LEMAY TREATMENT	BLOCKED MAIN	NO



**Table B-1: Building Backups**  
(07/01/2012 - 12/31/2012, Effective Date 04/27/2012)

Service Request Call Date	Occurred During Current Reporting Period?	Steet Number	Street Name	Zip Code	Watershed/Treatment Plant Service Area	Service Request Work Order Cause	Discharge to Waters of the US?
7/11/2012	X	758	IVYGATE	63129	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/9/2012	X	8004	JOEL	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
9/26/2012	X	100	KALEN	63114	LEMAY TREATMENT	BLOCKED MAIN	NO
12/7/2012	X	100	KALEN	63114	LEMAY TREATMENT	BLOCKED MAIN	NO
9/26/2012	X	102	KALEN	63114	LEMAY TREATMENT	BLOCKED MAIN	NO
9/26/2012	X	104	KALEN	63114	LEMAY TREATMENT	BLOCKED MAIN	NO
9/26/2012	X	106	KALEN	63114	LEMAY TREATMENT	BLOCKED MAIN	NO
9/26/2012	X	300	KALEN	63114	LEMAY TREATMENT	BLOCKED MAIN	NO
9/26/2012	X	302	KALEN	63114	LEMAY TREATMENT	BLOCKED MAIN	NO
9/26/2012	X	605	KALEN	63114	LEMAY TREATMENT	BLOCKED MAIN	NO
12/17/2012	X	338	KIRKWOOD	63122	LEMAY TREATMENT	BLOCKED MAIN	NO
9/17/2012	X	9301	KOENIG CIRCLE	63134	BISSELL TREATMENT	BLOCKED MAIN	NO
10/16/2012	X	743	KRAFFEL	63017	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
7/9/2012	X	8960	LACLEDE STATION	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/27/2012	X	1021	LAKEVIEW	63138	BISSELL TREATMENT	BLOCKED MAIN	NO
12/27/2012	X	9312	LAVERN	63123	LEMAY TREATMENT	SEWER SEPARATION FAILURE	NO
7/27/2012	X	9752	LITZSINGER	63124	LEMAY TREATMENT	BLOCKED MAIN	NO
7/18/2012	X	9309	LUCIA	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/10/2012	X	9313	LUCIA	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/11/2012	X	9329	LUCIA	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/8/2012	X	9330	LUCIA	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/18/2012	X	9553	LYDELL	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/9/2012	X	8601	MACKENZIE	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/8/2012	X	8605	MACKENZIE	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/9/2012	X	8609	MACKENZIE	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/9/2012	X	8634	MACKENZIE	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/14/2012	X	10356	MEATH	63123	LEMAY TREATMENT	BLOCKED MAIN	NO
7/9/2012	X	10620	MEATH	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/11/2012	X	10624	MEATH	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/10/2012	X	10631	MEATH	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
11/24/2012	X	2939	MID COURSE	63125	LEMAY TREATMENT	BLOCKED MAIN	NO
10/14/2012	X	3340	MILTON	63114	COLDWATER TREATMENT	SEWER SEPARATION FAILURE	NO
9/20/2012	X	4429	MOHEGAN	63123	LEMAY TREATMENT	BLOCKED MAIN	NO
10/26/2012	X	751	MUIR VIEW	63011	GRAND GLAIZE TREATMENT	BLOCKED MAIN	NO
10/26/2012	X	754	MUIR VIEW	63011	GRAND GLAIZE TREATMENT	BLOCKED MAIN	NO
10/10/2012	X	705	NORCREST	63129	LEMAY TREATMENT	BLOCKED MAIN	NO
10/8/2012	X	708	NORCREST	63129	LEMAY TREATMENT	BLOCKED MAIN	NO
10/14/2012	X	1522	OGDEN	63133	LEMAY TREATMENT	BLOCKED MAIN	NO
11/8/2012	X	6324	PEACHWOOD	63129	MERAMEC TREATMENT	BLOCKED MAIN	NO
10/5/2012	X	4422	PEGASUS	63129	LEMAY TREATMENT	OVERCHARGED MAIN	NO



**Table B-1: Building Backups**  
(07/01/2012 - 12/31/2012, Effective Date 04/27/2012)

Service Request Call Date	Occurred During Current Reporting Period?	Steet Number	Street Name	Zip Code	Watershed/Treatment Plant Service Area	Service Request Work Order Cause	Discharge to Waters of the US?
9/7/2012	X	812	PHAETON	63021	GRAND GLAIZE TREATMENT	BLOCKED MAIN	NO
7/8/2012	X	8514	PILOT	63123	LEMAY TREATMENT	BLOCKED MAIN	NO
7/16/2012	X	8516	PILOT	63123	LEMAY TREATMENT	BLOCKED MAIN	NO
5/30/2012		12319	PINTA	63138	BISSELL TREATMENT	BLOCKED MAIN	NO
7/7/2012	X	12319	PINTA	63138	BISSELL TREATMENT	BLOCKED MAIN	NO
11/13/2012	X	12439	PIZARRO	63138	BISSELL TREATMENT	BLOCKED MAIN	NO
11/13/2012	X	343	POTTLE	63129	LEMAY TREATMENT	BLOCKED MAIN	NO
11/23/2012	X	642	RADFORD	63132	LEMAY TREATMENT	BLOCKED MAIN	NO
7/10/2012	X	9329	RADIO	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
9/18/2012	X	2008	RANCHDALE	63136	BISSELL TREATMENT	BLOCKED MAIN	NO
9/19/2012	X	2012	RANCHDALE	63136	BISSELL TREATMENT	BLOCKED MAIN	NO
8/6/2012	X	1010	ROCK HILL	63119	LEMAY TREATMENT	BLOCKED MAIN	NO
7/8/2012	X	7240	ROCKSPRING	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
10/5/2012	X	10422	ROYAL	63136	BISSELL TREATMENT	BLOCKED MAIN	NO
7/8/2012	X	7901	ROYAL ARMS	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/8/2012	X	7902	ROYAL ARMS	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/8/2012	X	7903	ROYAL ARMS	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/9/2012	X	7904	ROYAL ARMS	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/9/2012	X	7905	ROYAL ARMS	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/9/2012	X	7906	ROYAL ARMS	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/8/2012	X	7907	ROYAL ARMS	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/8/2012	X	7908	ROYAL ARMS	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/8/2012	X	7912	ROYAL ARMS	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/8/2012	X	7914	ROYAL ARMS	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/9/2012	X	7916	ROYAL ARMS	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/14/2012	X	2034	RURLINE	63146	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
9/26/2012	X	7521	SANTA MONICA	63121	BISSELL TREATMENT	OVERCHARGED MAIN	NO
11/13/2012	X	3	SHERATON	63124	LEMAY TREATMENT	BLOCKED MAIN	NO
9/29/2012	X	308	SOUTHWARK	63125	LEMAY TREATMENT	BLOCKED MAIN	NO
8/12/2012	X	12046	SPRUCE HAVEN	63146	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
11/9/2012	X	11001	ST GIRARD	63074	COLDWATER TREATMENT	BLOCKED MAIN	NO
11/25/2012	X	3753	ST KEVIN PARK	63074	COLDWATER TREATMENT	BLOCKED MAIN	NO
11/27/2012	X	3760	ST KEVIN PARK	63074	COLDWATER TREATMENT	BLOCKED MAIN	NO
9/28/2012	X	119	SUMMIT	63119	LEMAY TREATMENT	BLOCKED MAIN	NO
8/28/2012	X	3257	SUSON	63139	LEMAY TREATMENT	BLOCKED MAIN	NO
8/23/2012	X	4208	SWEET GUM	63125	LEMAY TREATMENT	BLOCKED MAIN	NO
9/26/2012	X	2105	TELFORD	63125	LEMAY TREATMENT	BLOCKED MAIN	NO
7/11/2012	X	4734	TIEMANN	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/8/2012	X	4844	TIEMANN	63123	LEMAY TREATMENT	BLOCKED MAIN	NO
12/15/2012	X	724	TIMBER	63131	LEMAY TREATMENT	BLOCKED MAIN	NO



**Table B-1: Building Backups**  
(07/01/2012 - 12/31/2012, Effective Date 04/27/2012)

Service Request Call Date	Occurred During Current Reporting Period?	Steet Number	Street Name	Zip Code	Watershed/Treatment Plant Service Area	Service Request Work Order Cause	Discharge to Waters of the US?
12/15/2012	X	725	TIMBER	63131	LEMAY TREATMENT	BLOCKED MAIN	NO
11/18/2012	X	1707	WALKER RIDGE	63017	MISSOURI RIVER TREATMENT	BLOCKED MAIN	NO
9/5/2012	X	420	WARFORD	63135	BISSELL TREATMENT	BLOCKED MAIN	NO
7/8/2012	X	6319	WEBER	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
7/9/2012	X	6331	WEBER	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
12/29/2012	X	2430	WEMBLEY	63125	LEMAY TREATMENT	BLOCKED MAIN	NO
7/14/2012	X	5309	WILLARD	63123	LEMAY TREATMENT	OVERCHARGED MAIN	NO
8/16/2012	X	4320	WOODHILL	63129	LEMAY TREATMENT	BLOCKED MAIN	NO
9/27/2012	X	906	WOODLEIGH	63122	LEMAY TREATMENT	BLOCKED MAIN	NO
<b>TOTAL BUILDING BACKUPS DURING REPORTING PERIOD</b>					<b>163</b>		



## APPENDIX C: SANITARY SEWER OVERFLOWS

### SANITARY SEWER OVERFLOWS

*Attached and Spreadsheet File Provided on Enclosed Disk*



Table C-1: Sanitary Sewer Overflows

(07/01/2012 - 12/31/2012)

Work Order Start Date	Watershed/ Treatment Plant Service Area	Service Address	Location Description	Facility Type	Estimated Volume (gallons)	Reason / Cause	Time To Commence Investigation (day hh:mm)	Time To Correct and/or Cleanup (day hh:mm)
07/01/12	MERAMEC TREATMENT	6227 TREERIDGE TRL, 63129	E40345	PUMP STATION	<23,625	BROKEN PIPE	01:37	1 DAY 20:00
07/02/12	MERAMEC TREATMENT	5331 RINGER RD, 63129	GIS-2483501	GRAVITY MAIN	68	BLOCKED WITH ROOTS	00:59	1 DAY 04:32
07/05/12	MISSOURI RIVER TREATMENT	17758 HORNBEAN DR, 63005	GIS-2408271	GRAVITY MAIN	49	BLOCKED WITH DEBRIS	01:08	06:07
07/11/12	MISSOURI RIVER TREATMENT	2901 SPRUCEWOOD DR, 63043	GIS-2510877	GRAVITY MAIN	2,400	BLOCKED WITH DEBRIS	00:00	2 DAY 03:45
07/12/12	MISSOURI RIVER TREATMENT	16905 CRYSTAL SPRINGS DR, 63005	GIS-2387203	GRAVITY MAIN	125	BROKEN PIPE	00:00	2 DAY 08:30
07/12/12	LEMAY TREATMENT	4803 AUTUMN DR, 63123	GIS-2515952	GRAVITY MAIN	UNKNOWN	RAIN EVENT EXCEEDED CAPACITY	00:44	02:30
07/13/12	LEMAY TREATMENT	401 FAIRWICK DR, 63129	GIS-2517410	GRAVITY MAIN	217,312	BROKEN PIPE	01:05	7 DAY 02:33
07/14/12	MERAMEC TREATMENT	5627 GOLF RIDGE DR, 63128	GIS-2482911	GRAVITY MAIN	< 58	BLOCKED WITH ROOTS	01:55	03:51
07/21/12	MISSOURI RIVER TREATMENT	14330 LADUE RD, 63017	GIS-2387357	GRAVITY MAIN	53	BLOCKED WITH GREASE	01:16	14:15
07/25/12	MISSOURI RIVER TREATMENT	840 ANGLETERRE DR, 63141	GIS-2386454	GRAVITY MAIN	137	BROKEN PIPE	00:49	05:45
08/01/12	FENTON TREATMENT	1482 PREMIO DR, 63026	E10658	PUMP STATION	2	BROKEN PIPE	00:00	01:01
08/06/12	COLDWATER TREATMENT	3224 MARVIN AVE, 63114	GIS-1516347	MANHOLE	4,968	CONTRACTOR HOSE LEAK	01:16	05:30
08/12/12	MISSOURI RIVER TREATMENT	5292 VILLE ROSA LN, 63042	GIS-2347814	GRAVITY MAIN	56,675	BLOCKED WITH ROOTS	01:43	2 DAY 00:40
08/13/12	LEMAY TREATMENT	9769 RADIO DR, 63123	GIS-2516336	GRAVITY MAIN	2,785	BLOCKED WITH DEBRIS	00:48	16:57
08/16/12	MISSOURI RIVER TREATMENT	13019 BOENKER LN, 63044	E63828	PUMP STATION	100	VANDALISM DUMPING	00:00	04:15
08/20/12	LEMAY TREATMENT	1096 MERSEY BEND DR, 63129	GIS-2478846	GRAVITY MAIN	71	BROKEN PIPE	01:47	06:22
08/26/12	MISSOURI RIVER TREATMENT	16885 CRYSTAL SPRINGS DR, 63005	GIS-1544347	MANHOLE	UNKNOWN	RAIN EVENT EXCEEDED CAPACITY	00:00	NA
08/28/12	MISSOURI RIVER TREATMENT	13019 BOENKER LN, 63044	E63828	PUMP STATION	10	VANDALISM DUMPING	00:00	04:47



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08/30/12	BISSELL TREATMENT	11724 HIDDEN LAKE DR, 63138	GIS-2345407	GRAVITY MAIN	150	BLOCKED WITH DEBRIS	04:01	1 DAY 01:40
09/03/12	MISSOURI RIVER TREATMENT	1664 CAREY CT, 63042	GIS-2347741	GRAVITY MAIN	108	BLOCKED WITH GRIT	00:00	21:14
09/03/12	MISSOURI RIVER TREATMENT	1664 CAREY CT, 63042	GIS-2347742	GRAVITY MAIN	46	BLOCKED WITH GRIT	00:52	21:54
09/04/12	LEMAY TREATMENT	120 KINGSTON DR, 63125	GIS-2474142	GRAVITY MAIN	42	BLOCKED WITH DEBRIS	00:55	02:40
09/05/12	LEMAY TREATMENT	117 E CLINTON PL, 63122	GIS-2456591	GRAVITY MAIN	262	BLOCKED WITH GREASE	00:54	02:40
09/07/12	MERAMEC TREATMENT	7111 BECKER RD, 63129	GIS-2518422	GRAVITY MAIN	41	BLOCKED WITH DEBRIS	00:53	01:30
09/13/12	MISSOURI RIVER TREATMENT	14380 LADUE RD, 63017	GIS-2387352	GRAVITY MAIN	11,676	BROKEN PIPE	00:00	02:00
09/14/12	MISSOURI RIVER TREATMENT	2050 LAKERUN CT, 63043	GIS-1479627	MANHOLE	1,632	BLOCKED WITH GRIT	02:05	09:15
09/20/12	COLDWATER TREATMENT	6623 FOOTHILLS CT, 63033	GIS-2340230	GRAVITY MAIN	38	BLOCKED WITH DEBRIS	00:17	02:00
09/27/12	LEMAY TREATMENT	906 WOODLEIGH CT, 63122	GIS-2455988	GRAVITY MAIN	58	VANDALISM BREAKAGE	00:56	05:21
10/01/12	MISSOURI RIVER TREATMENT	14755 N OUTER 40 RD, 63017	E40363	PUMP STATION	50	VANDALISM BREAKAGE	01:21	00:00
10/02/12	MISSOURI RIVER TREATMENT	12001 LACKLAND RD, 63146	GIS-1523406	MANHOLE	3,040	BLOCKED WITH DEBRIS	02:38	2 DAY 04:35
10/03/12	FENTON TREATMENT	1482 PREMIO DR, 63026	E10658	PUMP STATION	2	BROKEN PIPE	00:00	01:35
10/08/12	BISSELL TREATMENT	9347 KOENIG CIRCLE DR, 63134	GIS-2360275	GRAVITY MAIN	394	BLOCKED WITH DEBRIS	01:59	1 DAY 04:30
10/09/12	MERAMEC TREATMENT	3712 SWISS DR, 63129	GIS-2479129	GRAVITY MAIN	41	BLOCKED WITH ROOTS	00:52	02:30
10/10/12	GRAND GLAIZE TREATMENT	12926 HUNTBRIDGE FOREST DR, 63131	GIS-2427901	GRAVITY MAIN	75	BLOCKED WITH ROOTS	02:00	01:45
10/11/12	LEMAY TREATMENT	10619 TESSHIRE DR, 63123	GIS-2472229	GRAVITY MAIN	53	BLOCKED WITH DEBRIS	00:46	06:24
10/12/12	LEMAY TREATMENT	9950 CREEK BRIDGE LN, 63124	GIS-2417033	GRAVITY MAIN	55	BLOCKED WITH ROOTS	01:20	01:30
10/15/12	GRAND GLAIZE TREATMENT	475 IVYWOOD DR, 63011	GIS-2428735	GRAVITY MAIN	46	BLOCKED WITH GREASE	00:51	03:40





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10/18/12	LEMAY TREATMENT	361 MEMPHIS ST, 63122	GIS-2465415	GRAVITY MAIN	46	BROKEN PIPE	00:52	02:40
10/19/12	LEMAY TREATMENT	1 SHERATON DR, 63124	GIS-2493162	GRAVITY MAIN	105	BROKEN PIPE	00:00	03:30
10/20/12	MISSOURI RIVER TREATMENT	1806 KEHRWOOD DR, 63005	E11859	PUMP STATION	108	EQUIPMENT FAILURE	01:00	1 DAY 07:00
10/22/12	LEMAY TREATMENT	2801 TELEGRAPH RD, 63125	GIS-2477888	GRAVITY MAIN	71	BLOCKED WITH GREASE	02:07	01:15
10/26/12	GRAND GLAIZE TREATMENT	754 MUIR VIEW DR, 63011	GIS-2418723	GRAVITY MAIN	53	BLOCKED WITH ROOTS	00:45	07:17
10/27/12	MISSOURI RIVER TREATMENT	12212 SOMMERTON CT, 63141	GIS-2522753	GRAVITY MAIN	113	BLOCKED WITH ROCKS	02:06	1 DAY 19:10
11/05/12	MERAMEC TREATMENT	4222 SUMMIT KNOLL DR, 63129	GIS-6620989	GRAVITY MAIN	4	BLOCKED WITH ROOTS	00:30	00:45
11/13/12	LEMAY TREATMENT	1320 PENNSYLVANIA AVE, 63133	GIS-2376198	GRAVITY MAIN	112	BLOCKED WITH DEBRIS	02:29	02:30
11/14/12	MISSOURI RIVER TREATMENT	840 ANGLETERRE DR, 63141	GIS-2386688	GRAVITY MAIN	762	BROKEN PIPE	00:53	1 DAY 17:30
11/16/12	BISSELL TREATMENT	5200 LUCAS AND HUNT RD, 63121	GIS-2364167	GRAVITY MAIN	485	BLOCKED WITH DEBRIS	01:31	04:00
11/16/12	MISSOURI RIVER TREATMENT	12212 SOMMERTON CT, 63141	GIS-2522752	GRAVITY MAIN	576	BLOCKED WITH DEBRIS	01:20	17:44
11/28/12	LEMAY TREATMENT	4278 CHATEAU DE VILLE DR, 63129	GIS-2478839	GRAVITY MAIN	1,132	BLOCKED WITH GREASE	01:11	02:56
11/29/12	FENTON TREATMENT	12920 GRAVOIS RD, 63127	GIS-1640875	MANHOLE	78	BLOCKED WITH GREASE	01:05	04:48
11/29/12	MISSOURI RIVER TREATMENT	16625 CHESTERFIELD AIRPORT RD, 63017	E12507	PUMP STATION	300,000	EQUIPMENT FAILURE	00:00	1 DAY 13:30
12/03/12	BISSELL TREATMENT	5200 LUCAS AND HUNT RD, 63121	GIS-1479557	MANHOLE	12,796	BLOCKED WITH DEBRIS	00:00	7 DAY 05:07
12/06/12	MISSOURI RIVER TREATMENT	2160 CREVE COEUR MILL RD, 63146	E68472	PUMP STATION	5,000	BROKEN PIPE	00:00	19:00
12/10/12	COLDWATER TREATMENT	5901 MILL CREEK DR, 63042	GIS-2350332	GRAVITY MAIN	667	BLOCKED WITH ROOTS	03:23	03:08
12/14/12	MISSOURI RIVER TREATMENT	1664 CAREY CT, 63042	GIS-2347741	GRAVITY MAIN	86	BLOCKED WITH DEBRIS	01:17	01:35
12/14/12	BISSELL TREATMENT	2571 TYRELL DR, 63136	GIS-1512326	MANHOLE	5,777	BLOCKED WITH GREASE	00:53	03:30



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12/17/12	LEMAY TREATMENT	963 FORDER RD, 63129	GIS-2481673	GRAVITY MAIN	57	BLOCKED WITH ROOTS	01:14	03:10
12/22/12	MERAMEC TREATMENT	4900 PATANDY LN, 63128	GIS-1614150	MANHOLE	129	BLOCKED WITH DEBRIS	02:16	1 DAY 05:40