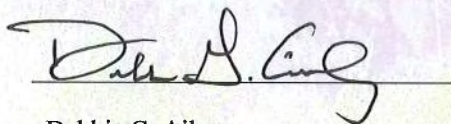


# **2003-2013 Sanitary Sewer Overflow Evaluation Report**

## **Including Building Backups and Trend Analysis**

**Submitted to EPA on April 29, 2014**

I certify under penalty of law that this document and all attachments were prepared under my 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.



Debbie G. Ailey

4-29-14

Date



## Executive Summary

### 2003-2013 SSOER, Including Building Backups

The Sanitary Sewer Overflow Evaluation Report (SSOER) is an assessment tool KUB uses as part of its ongoing Collection System Improvement Program (CSIP). The 2003-2013 SSOER is an evaluation of the sanitary sewer overflows (SSOs), including building backups, that occurred between January 2003 and December 2013. The report analyzes the specific causes of each overflow or building backup and categorizes them as requiring short- or long-term corrective measures, or both. The SSOs and building backups are included in separate spreadsheets. Locations of all SSOs and building backups where there has not been a recurrence during the previous three years (since 2009) have been removed from the lists but remain a part of the Gravity Line Preventive Maintenance Program. These locations are included on the “SSOs to be deleted” and “BBUs to be deleted” spreadsheets. This trend analysis goes back to 2003 to represent progress made since the beginning of PACE 10. However, the “2003-2013 SSOER with Building Backups” spreadsheets still include events that occurred in 2002 unless they were removed for not having a recurrence during the previous three years.

Overall, there has been a 77.5 percent decrease in the number of wet-weather SSOs, including building backups, and a 59.9 percent decrease in dry-weather overflows in our collection system compared to 2003 (as shown in Figure 3). This decrease in total events can be attributed to a significant amount of rehabilitation or replacement (251 miles) of sewer main and the completion of over 238 projects, including six wet-weather storage tanks with 34 million gallons of total storage, all completed since the beginning of PACE 10. CSSAP, which is a systematic evaluation of the entire wastewater collection and transmission system, is also ahead of schedule to finish all assessments within one complete cycle period (by 2016). This assessment information continues to help identify and proactively address system needs to prevent SSOs.

The trend in SSO occurrence from year to year has also been influenced by rainfall and weather conditions. In fact, the trend in wet-weather overflows since 2009 can be attributed to the increased frequency of rainfall events with rainfall totals and/or intensities that were record setting at times. Continuous wet weather creates saturated ground conditions, which is also known as high antecedent moisture conditions. Antecedent moisture conditions result in more flooding and run off during rainfall events. When this occurs, a significant portion of the rainfall can enter the collection system as inflow or infiltration in areas that have not undergone rehabilitation yet, creating the potential for more wet-weather SSOs and building backups. Approximately 94 percent of the 50 wet-weather overflows in 2013 occurred during months of the year when saturated ground conditions increased the possibility for inflow. According to the National Weather Service (NWS), the Knoxville area received 69.35 inches of rain in 2013, which is 21.49 inches above normal. The NWS precipitation records, collected for Knoxville since 1871, rank 2013 in second place for all time high record amounts of precipitation. In fact, annual average rainfall totals for Knoxville were reached by July. January recorded the most precipitation, followed by June with the second highest rainfall totals. Above average rainfall amounts and intensities produced 30 wet-weather overflows in January and February and 17 wet-weather overflows in June and July.

KUB's wastewater storage facilities at Lower First Creek, Upper First Creek, Second Creek, Lower Third Creek, Upper Third Creek, and Walker Springs operated a combined total of 83 times in 2013 (an average of about 14 times each), containing over 177.4 million gallons of wastewater. The storage tanks allow KUB to store excess wastewater to prevent sanitary sewer overflows resulting

from peak wet-weather flows, meet requirements related to the Consent Decree (CD), and protect the environment.

There has also been a 90 percent decrease in building backups compared to 2003, which can be attributed to system rehabilitation efforts and the success of the Private Lateral Program.

As required by the CD, the SSOER and building backup summaries are sorted by chronological occurrence and also by the basin number and street address. The type of sort is noted on the footer of each spreadsheet. The information entered under the Long-Term Capital Project and Short-Term Controls Blockage Abatement (BA) columns includes the status of the resolution as of the report year.

**Key to the “2003-2013 SSOER with Building Backups” spreadsheet headings for SSOs**

1. **Date:** Date the overflow was discovered by/or reported to KUB.
2. **Street #:** The street number of the location where the overflow occurred.
3. **Street:** The street name where the overflow occurred.
4. **Plant:** The wastewater treatment plant (WWTP) that receives wastewater from the collection system in the area of the overflow. **Abbreviations:** **EBR** – Eastbridge WWTP; **FC** – Fourth Creek WWTP; **KUW** – Kuwahee WWTP; **LC** – Loves Creek WWTP.
5. **Watershed:** A natural geographic area draining to a particular waterway, such as First Creek.
6. **Basin:** A small area of the sewer system separated by natural topography or system configuration. KUB identifies basins by a number.
7. **Overflow Location:** This location information is specific to the KUB system, listing manhole numbers (MH#), pump stations, etc., or if the overflow was on a customer lateral or at a broken pipe.
8. **Private Property Location:** ‘BB’ indicates that a sewer backed up into a building in association with a reportable SSO. Building backups associated with overflows are shown in the building backup spreadsheet.
9. **Cause of SSO/KUB Response:** Examples of the causes of SSOs are inflow and infiltration (I&I) from rain or flooding, blockages caused by grease buildup, roots, or debris, broken pipe, etc. This column lists immediate actions KUB took in response to the SSO, such as repairing the line, flushing and cleaning the line, etc.
10. **Volume (Gallons):** The estimated gallons of wastewater spilled in the overflow.
11. **Duration (Hours):** The estimated number of hours an overflow lasted.
12. **Event Occurred Two or More Times Within 12 Months:** Shows SSOs recurring two or more times in a 12-month period.
13. **Long-Term Capital Project:** Indicates whether the SSO requires long-term resolution, such as a capital improvement project. The five-year construction plan is formally updated on an annual basis and at other times during the fiscal year, as needed, to reflect changing conditions, priorities, and/or needs.
  - Construction Completed
  - Current Construction Underway: Work (engineering design and construction) is under way at the time of this report
  - Future Construction Planned: The need for a capital project has been identified/scheduled for future
  - N/A: One-time SSOs may not require long-term projects.
14. **Short-Term Controls Blockage Abatement (BA):** Short-term resolutions to SSOs and building backups include activities intended to reduce and/or eliminate the cause of the overflow or building backup. These activities include equipment/pipe/manhole repairs, routine pipe cleaning, mechanical root control, grease inspections/enforcement, power

restoration, etc. In some cases when an overflow has occurred two or more times in a 12-month period, a long-term corrective action will also be needed in addition to BA.

- 15. BA Schedule:** The frequency of scheduled maintenance for areas experiencing SSOs or building backups being alleviated by short-term measures.

**Key to the “2003-2013 SSOER with Building Backups” spreadsheet headings for BBUs**

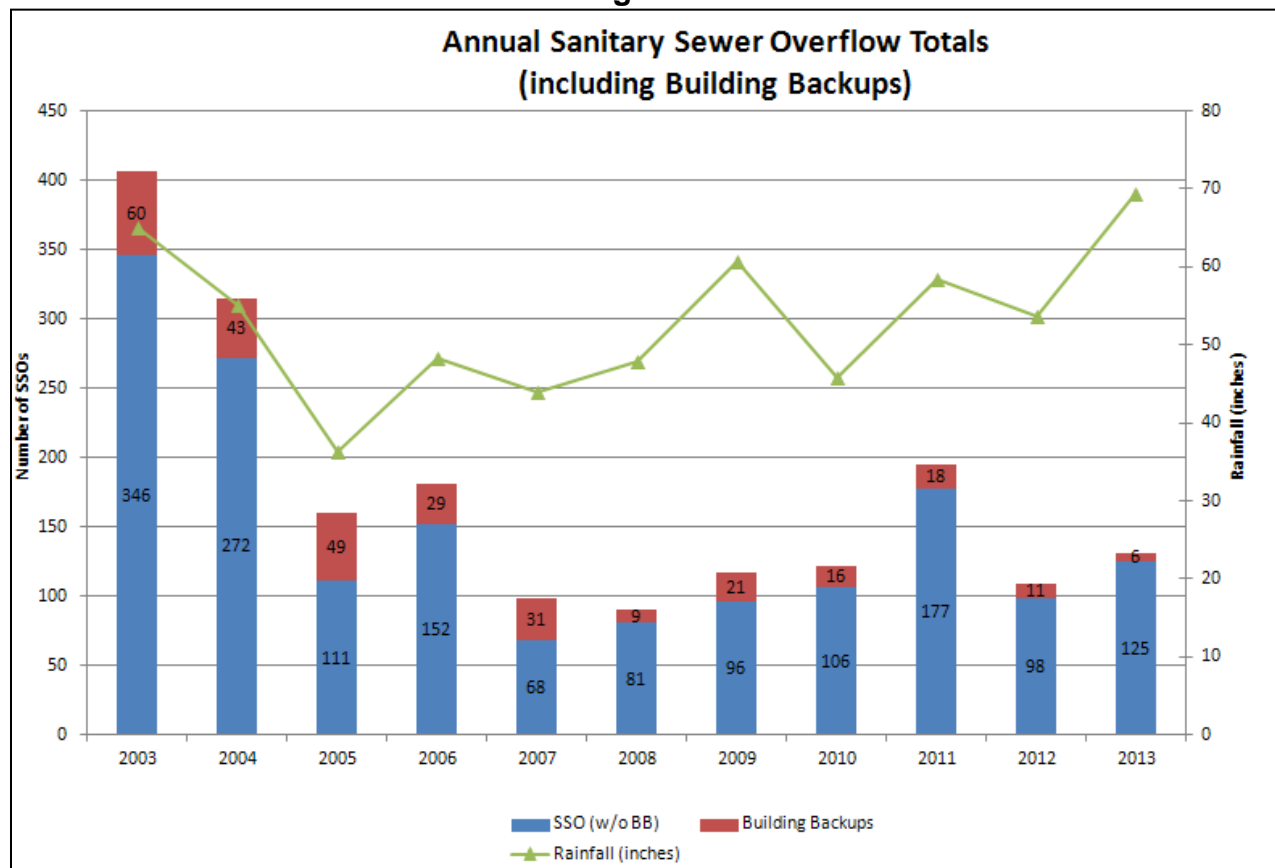
- 1. Date:** Date the backup was discovered by/or reported to KUB.
- 2. Street #:** The street number of the location where the backup occurred.
- 3. Street:** The street name where the backup occurred.
- 4. Plant:** The wastewater treatment plant (WWTP) that receives wastewater from the collection system in the area of the backup. **Abbreviations:** **EBR** – Eastbridge WWTP; **FC** – Fourth Creek WWTP; **KUW** – Kuwahee WWTP; **LC** – Loves Creek WWTP.
- 5. Watershed:** A natural geographic area draining to a particular waterway, such as First Creek.
- 6. Basin:** A small area of the sewer system separated by natural topography or system configuration. KUB identifies basins by a number.
- 7. Backup Location:** Identifies if the backup occurred in a building and/or other private structure (manhole, clean-out, etc.).
- 8. Event Included in SSOER:** A check mark indicates if this building backup was associated with a public overflow event on the SSOER.
- 9. Cause of Backup/KUB Response:** Examples of the causes of backups are inflow and infiltration (I&I) from rain or flooding, blockages caused by grease buildup, roots, or debris, broken pipe, etc. This column lists immediate actions KUB took in response to the backup, such as repairing the line, flushing and cleaning the line, repairing a grinder pump, etc.
- 10. Volume (Gallons):** The estimated gallons of wastewater spilled in the backup.
- 11. Duration (Hours):** The estimated number of hours a backup lasted.
- 12. Event Occurred Two or More Times Within 12 Months:** Shows backups recurring two or more times in a 12-month period.
- 13. Long-Term Capital Project:** Indicates whether the backup requires long-term resolution, such as a capital improvement project. The five-year construction plan is formally updated on an annual basis and at other times during the fiscal year as needed to reflect changing conditions, priorities, and/or needs.
  - Construction Completed
  - Construction Underway: Work (engineering design and construction) is under way at the time of this report
  - Future Construction Planned: The need for a capital project has been identified/scheduled for future
  - N/A: One-time SSOs may not require long-term projects.
- 14. Short-Term Controls Blockage Abatement (BA):** Short-term resolutions to building backups include activities intended to reduce and/or eliminate the cause of the building backup. These activities include equipment/pipe/manhole repairs, routine pipe cleaning, mechanical root control, grease inspections/enforcement, power restoration, etc. In some cases when a backup has occurred two or more times in a 12-month period, a long-term corrective action will also be needed in addition to BA.
- 15. BA Schedule:** The frequency of scheduled maintenance for areas experiencing backups being alleviated by short-term measures.

## 2003-2013 SSO and Building Backup Trend Analysis

The information contained in the SSOER was compiled into one overall trend analysis. These events were analyzed based on four major components:

- Annual Number of SSOs
- SSO Cause
- SSO Volume
- SSO Duration

**Figure 1**



### Annual Sanitary Sewer Overflow Totals

Figure 1 illustrates there has been an overall significant decline in sanitary sewer overflows including building backups over the last ten years. This trend has been largely defined by system improvements, effective maintenance programs, and weather events. In fact, the increased frequency of rainfall events with rainfall totals and/or intensities that are record setting and difficult to manage produced fluctuations in the overall downward trend of SSO occurrence since the start of PACE10. Still, SSO totals remained far below those for 2003-2004 prior to the CD when KUB's service area received lower rainfall amounts.

The slight increase in 2006 relative to the previous year can be attributed to a three-day period of rain in September. During this event, rain gauges across our service territory recorded between 4.39 and 5.88 inches of rain. This event, which significantly exceeded a two-year 24-hour storm

return period, resulted in 33 rainfall-related SSOs. Those 33 events accounted for 49 percent of the wet-weather SSOs that occurred during 2006.

The total number of SSOs continued to decrease again after 2006 until 2009 when the annual rainfall and weather conditions began to affect the decline. The Knoxville area experienced a 27 percent increase in rainfall during 2009 compared to 2008. There were 47.75 inches of rainfall in 2008 and 60.66 inches in 2009, as reported by the NWS. This amount of annual rainfall had not occurred since 2003, when the area received 65 inches of rain throughout the year; however, only 29 wet-weather SSOs occurred in 2009 compared to over 200 in 2003. Then in January of 2010, our service area received an additional six inches of rain when the ground was already saturated from 12 inches of rain in the prior 60 day period. This produced 16 SSOs at the very start of 2010, which amounted to 50 percent of the wet-weather SSOs reported for that year.

The number of SSOs including building backups increased to 195 in 2011, when the annual rainfall approached 60 inches again. Ninety-two of those were wet-weather related and represent 47 percent of the total. Sixty-two of the 92 wet-weather SSOs and building backups in 2011 resulted between February and April, when the Knoxville area received over 21 inches of rain. In fact, one rain event that occurred on February 28, 2011, produced an average of three inches of rain in three hours, caused widespread flooding, and resulted in significant inflow and infiltration to the collection system in areas where rehabilitation work had not been completed. A total of 32 sewer overflows were reported as a result of this single rain event, and KUB requested this storm event be recognized as a Force Majeure event in a letter to the EPA on March 18, 2011. There were also two large rain events in April 2011 that contributed to 24 more wet-weather SSOs.

SSOs and building backups decreased to 109 in 2012, with only 21 wet-weather related overflows and 53.64 inches of rain. The NWS reported the Knoxville area received 5.67 inches of rain in January 2012. This occurred after receiving almost 12 inches of rain in the previous two months. With the ground already saturated, the rainfall in January produced only six wet-weather overflows. Then on September 17, 2012, the Knoxville area experienced a significant 24-hour rainfall event that caused substantial flooding. Rain gauges maintained by KUB located within KUB's service area indicated an average of 5.6 inches for the overall area in a 24-hour period. During this time, rain intensities reached 1.4 inches per hour in some locations early in the morning on September 18, 2012. KUB requested this storm event to also be recognized as a Force Majeure event in a letter to the EPA on October 5, 2012. A total of 10 sewer overflows were reported as a result of this single rain event.

As previously mentioned, the Knoxville area received 69.35 inches of rain in 2013, which is 21.49 inches above normal. The NWS precipitation records, collected for Knoxville since 1871, rank 2013 in second place for all time high record amounts of precipitation. The month with the most precipitation was January, registering at 12.67 inches, which is more than eight inches above average for the Knoxville area. The rainfall in January produced 30 wet-weather overflows occurring in January and February as shown on the next page in Table 1.

On January 13, 2013, the Knoxville area experienced a significant rainfall event that lasted for five continuous days. According to the NWS, the majority of our service area received over eight inches of rain during this five-day period, which contributed to this being the wettest January in over 130 years. Rain gauges maintained by KUB located within KUB's service area recorded rain totals ranging from 6.05 to 8.41 inches in a 96-hour period. Historical data from the NWS showed this event to be greater than a 25-year return period storm overall; however, some parts of KUB's



service area measured the event to be greater than a 100-year return period storm. Storm return periods are based on the application of historical duration, intensity, and frequency data maintained by the NWS. A total of 19 overflows were timely reported as a result of the precipitation from January 13 to 17. KUB requested this storm event be recognized as a Force Majeure event in a letter to the EPA on February 6, 2013. The limited number of overflows for such an unusual rain event when compared to the September 22-24, 2006 event, which caused 33 overflows with significantly less rain, is attributed to KUB's aggressive system improvements during PACE 10.

Then on January 30, the Knoxville area received an average of 2.64 inches of rain within a 12 hour period. The effects of this storm were strengthened due to the ground being heavily saturated from the previous rain event. This rain event produced an additional 11 wet-weather overflows in January and February.

**Table 1. 2013 NWS Data for precipitation vs. Wet-Weather SSOs**

<b>2013</b>	<b>Average Rainfall</b>	<b>Actual Rainfall</b>	<b>Deviation</b>	<b>Wet-Weather SSOs</b>
January	4.32	12.67	+8.35	27
February	4.26	2.42	-1.84	3
March	4.34	5.49	+1.15	1
April	4.01	7.32	+3.31	0
May	4.51	3.52	-0.99	2
June	3.81	9.38	+5.57	2
July	5.08	7.37	+2.22	15
August	3.27	3.21	-0.6	0
September	3.24	4.42	+1.18	0
October	2.51	0.91	-1.6	0
November	4.01	4.41	+0.4	0
December	4.50	8.23	+3.73	0
<b>Totals</b>	<b>47.86</b>	<b>69.35</b>	<b>+21.49</b>	<b>50</b>

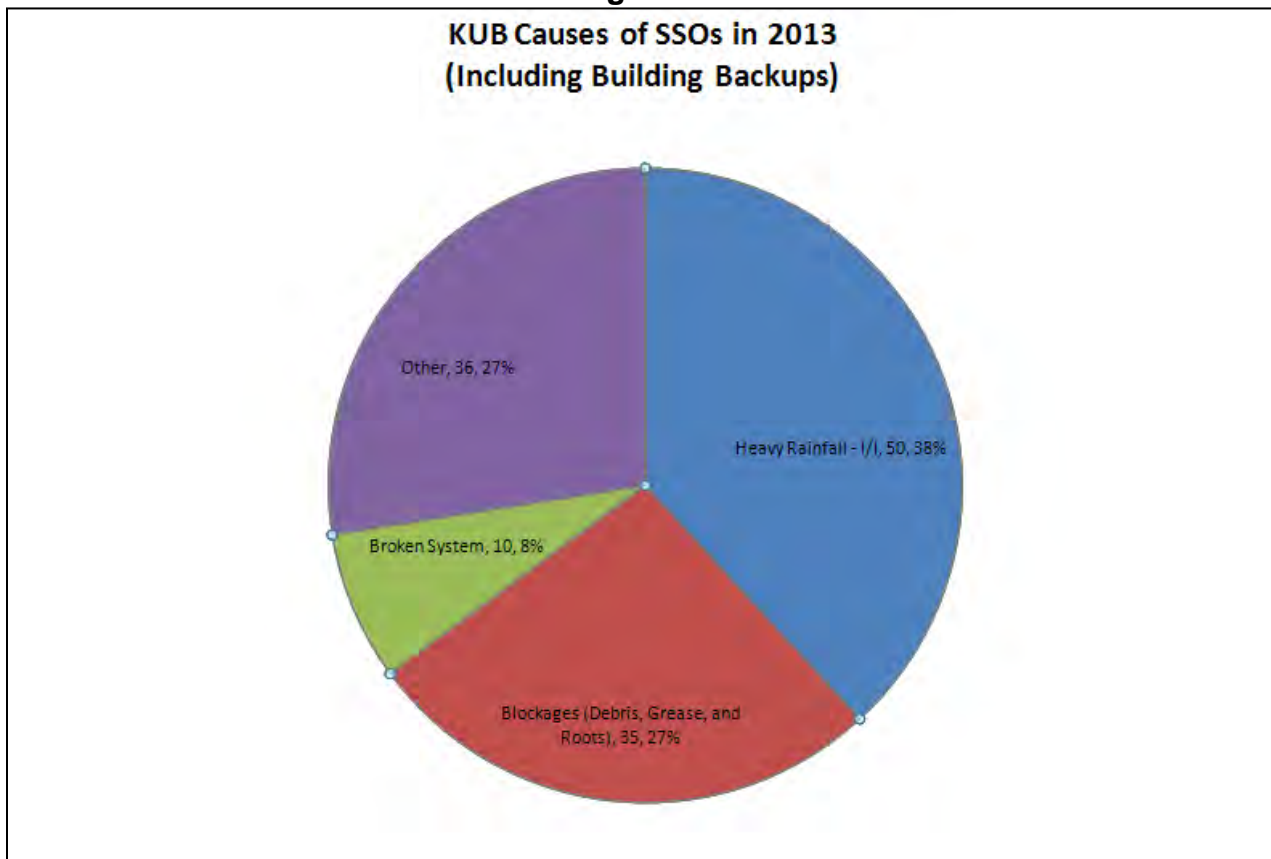
Table 1 shows the majority of the remaining wet-weather SSOs occurred in June and July when the Knoxville area received 16.75 inches of rainfall, nearly eight inches above normal. In June, 9.38 inches of rain fell, and then the first week of July produced 4.92 inches of rain. The ground was essentially saturated from the constant rainfall. While June only experienced two wet-weather overflows, a total of 15 wet-weather overflows resulted in July.

As seen in Figure 2, there were 81 dry-weather SSOs including building backups in 2013, which account for 61.8 percent of total overflows. Compared to 2003, there has been a 59.9 percent decrease in dry-weather SSOs including building backups in our collection system, which can be attributed to a significant amount of rehabilitation or replacement (251 miles) of sewer main and KUB's MOM Programs.

Blockage-related events continue to be the largest cause of dry-weather SSOs. To combat this issue, KUB has an aggressive Blockage Abatement (BA) Program, which is a routine cleaning and inspection program to remove grease, roots, and debris from sewer mains. The BA Program uses increased frequency of cleaning to prevent overflows in areas with previous problems. The footage of mains on BA fluctuates each year as KUB completes scheduled repairs or identifies

new areas where more cleaning is needed pending future projects or information obtained during system assessment activities. In 2013, BA crews cleaned 999,967 feet (ft) (189 miles) and televised 233,973 ft (44 miles) of gravity sewers in our system. KUB had 720,947 ft (137 miles), or 11 percent of its sewer mains, in the BA program in 2013.

**Figure 2**



#### Causes of Sanitary Sewer Overflows

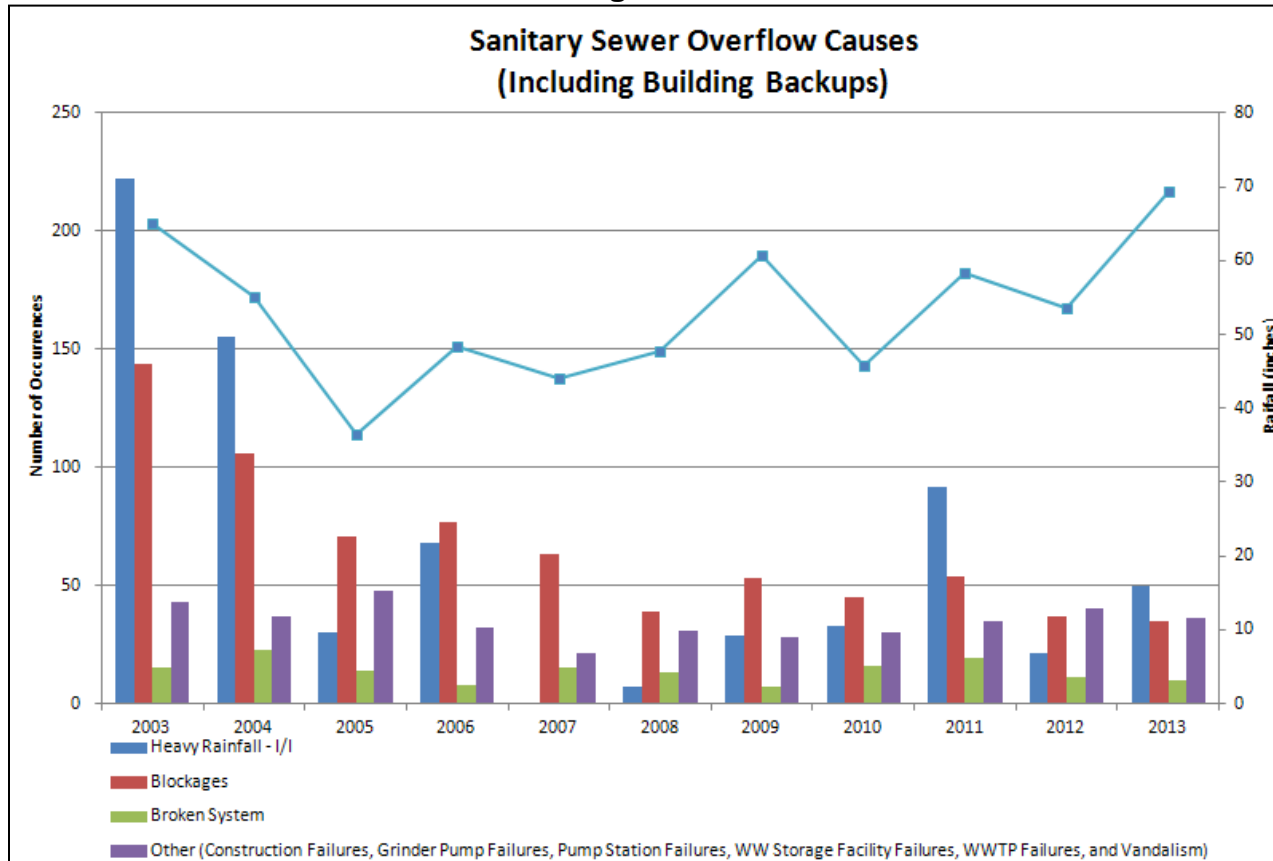
Figure 2 presents a comparison of SSOs for 2013 by causes. In this graph, the SSOs were grouped into four categories:

- Heavy Rainfall - Inflow and Infiltration (I/I)
- Blockages (Debris, Grease, and/or Roots)
- Broken System
- Other (Construction Failures, Grinder Pump Failures, Pump Station Failures, Wastewater Storage Facility Failures, WWTP Failures, and Vandalism).

The SSOs are also grouped into one of four general categories by each year in Figure 3 for analysis. System cleaning, root removal, tank construction, and replacement/rehabilitation projects continue to decrease the number of events, duration, and volume.



**Figure 3**



### **Analysis by Category**

#### **Blockages**

These events were a result of debris, grease, or roots in the sewer lines that triggered overflows upstream. The events may have occurred during dry- or wet-weather but were included in this category because a blockage was at least partially responsible for the overflow. As illustrated in Figure 3, blockage-related events have been the major cause of SSOs in recent years. These events stayed somewhat constant, decreasing from 37 in 2012 to 35 in 2013, but they have declined by approximately 76 percent since 2003.

KUB continues to focus on reducing blockage-related overflows. KUB's BA Program routinely inspects and cleans sewer mains to identify and remove any grease, roots, or debris that accumulates in the system. The BA Program has continuously improved and expanded since 2003. For example, KUB restructured the program in 2004 to maximize cleaning efforts by updating the frequencies and type of maintenance activities. KUB also selected a contractor to perform BA maintenance so internal resources could focus on proactive maintenance and assessment. KUB has evaluated each line segment in the BA Program to develop a focused remediation plan. This focused maintenance activity enables KUB to utilize the most appropriate cleaning method versus employing a broad cleaning approach. For example, grease issues are addressed with hydraulic flushing while root issues require mechanical root removal tools. Last year KUB cleaned more than 189 miles of sewer main through the BA Program. The progress of

the BA Program is evident when looking at the number of blockage-related events compared to 2003.

Along with the BA Program, KUB's successful Grease Control Program has also played a role in the decrease in blockage-related SSOs over time. Grease related SSOs dropped from 50 in 2003 to 12 in 2013.

Each of these programs is described in greater detail in the summaries for the Gravity Line Preventative Maintenance and Grease Control Programs included in the 2013 Annual MOM Progress Report.

#### Heavy Rainfall

These events resulted from extraneous water entering the collection system due to rain events that exceeded the hydraulic capacity of the system. As previously described, rainfall amounts and intensities, sometimes record setting, have largely affected this trend; however, it is important to note that wet-weather overflows have decreased by over 77 percent since 2003. Figure 3 indicates rain was the largest contributor to SSOs in 2003 and 2004, but the impacts of rain have decreased over time, largely due to the rehabilitation or replacement (251 miles) of sewer main and completion of over 238 sewer improvement projects, including six wastewater storage facilities holding 34 million gallons of total storage.

Following the 2007 drought year, during which no events were caused by heavy rainfall, normal rainfall in 2008 caused only seven events. Since 2008 there has been an increase in wet-weather overflows that can also be attributed to the influence of rainfall amounts and intensities. The heavy rainfall (61 inches) in 2009 caused an increase in wet-weather events relative to the prior two years. Two intense rainfall events in 2009, which exceeded two-year 24-hour storm return periods, produced 22 wet-weather related overflows. Then in 2010, 33 overflows resulted from heavy rainfall. High antecedent soil moisture conditions in January 2010 combined with a large rain event beginning on January 24, 2010, produced 16 overflows. Another significant rain occurred on November 29, 2010, where the area received 3.5 inches of rain within a five-day period and 11 inches in the 60 days prior and resulted in nine wet-weather related overflows. These two rain events accounted for 64 percent of the wet-weather events in 2010.

Heavy rainfall produced a total of 92 overflows in 2011. From February to April 2011, the Knoxville area received over 21 inches of rainfall, with some isolated areas receiving even more. Sixty-two wet-weather overflows were produced in this period alone, primarily due to the antecedent moisture conditions and the intensity of the heavy rainfall events. One rain event, which occurred on February 28, was considered a 35-year return period storm, producing an average of three inches of rain in three hours. Thirty-two wet-weather overflows were reported as a result of this single rain event.

In 2012, the Knoxville area received above average precipitation again (53.64 inches). Twenty-one wet-weather overflows occurred in 2012, which is significantly lower than 2011 due to PACE10 progress and storage facility completion. On September 17, 2012, the Knoxville area experienced a significant 24-hour rainfall event. During this time, rain totaled almost six inches and rainfall intensities reached 1.4 inches per hour in some locations. Historical data from the NWS showed this event to be a 50-year return period storm. However, only seven sewer overflows were directly related to I/I received due to this heavy rainfall.

KUB's service area received a total of 69.35 inches of rain in 2013, which is 21.49 inches above normal as previously mentioned. Approximately 90 percent of the 50 wet-weather overflows in 2013 occurred during three months of the year, when significant rainfall and saturated ground conditions increased the possibility for inflow. January precipitation reached 12.67 inches, which was 8.35 inches above the NWS average for this month. This wet weather produced 30 of the 50 wet-weather overflows in 2013.

The majority of the remaining wet weather SSOs occurred in June and July when the Knoxville area received 16.75 inches of rainfall – 7.77 inches above normal for these months. In June, 9.38 inches of rain fell, and then the first week of July produced 4.92 inches of rain. This wet weather produced 15 wet-weather overflows in July.

Overall, the impacts of rain have decreased over time due to KUB's aggressive system improvements and storage facility construction. The "Long-Term Capital Improvement" column in the "2003-2013 SSOER with Building Backups" spreadsheets identifies areas that are susceptible to impacts of I/I and outlines ongoing or planned system improvements to further address I/I issues.

#### Broken Pipe

These events were a direct result of structural failure in the collection system.

Figure 3 shows SSOs due to broken pipe fluctuate slightly, but, overall, the trend has been fairly constant (less than 20 SSOs per year) over the last several years. There were 10 SSOs due to broken pipe in 2013. Ground conditions can cause pipes to shift weakening joints. KUB continues to proceed with a significant amount of system rehabilitation and main line replacement to keep occurrences related to broken pipes low. As previously mentioned, over 251 miles of pipe have been rehabilitated since the beginning of the PACE 10 program.

#### Other

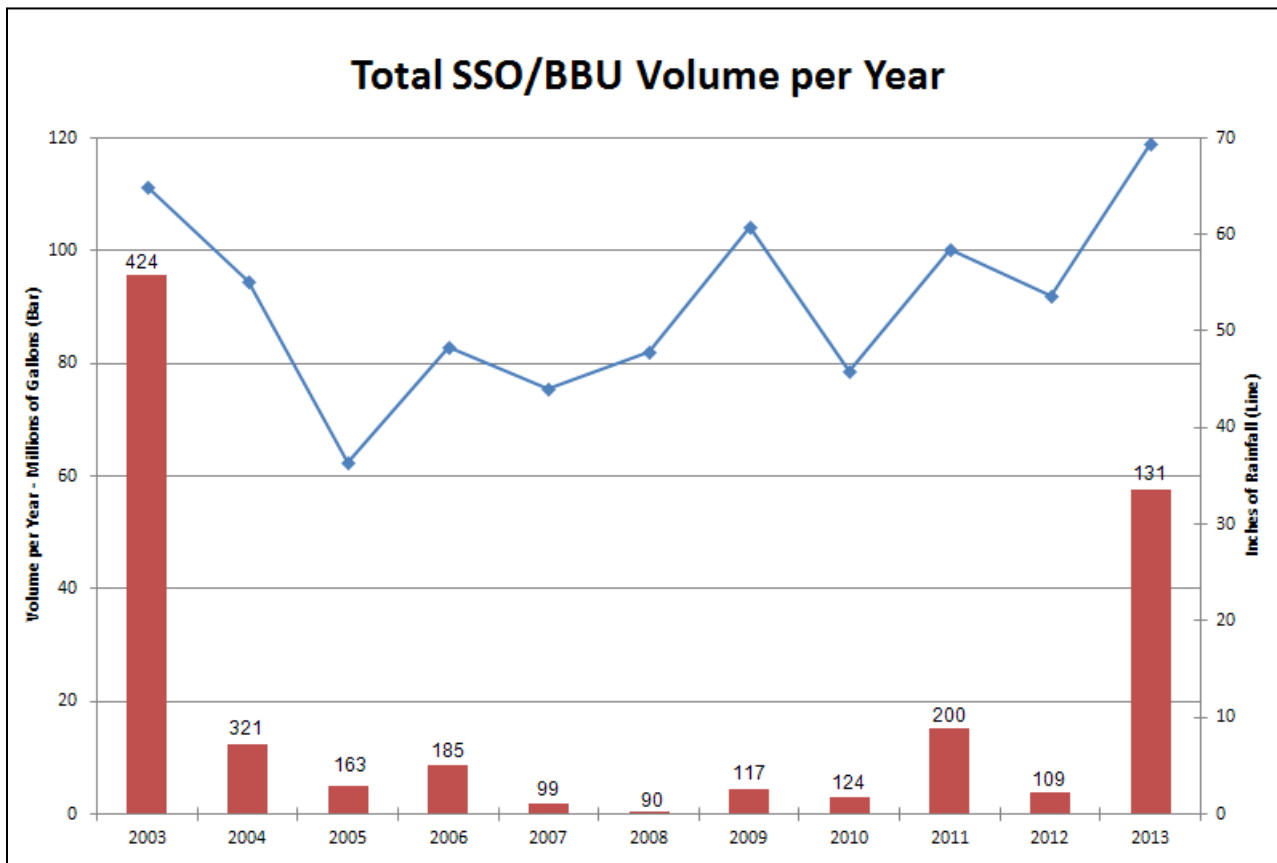
Construction failures and grinder pump failures were the primary drivers in this category for 2013. This category also includes pump station failures, wastewater storage facility failures, WWTP failures, and vandalism.

KUB continues to look closely at the specific causes within this category to eliminate SSOs, whenever possible. This year 10 SSOs and building backups were caused by grinder pump failures, representing 27.7 percent of total SSOs in this category. KUB-owned grinder pumps are assessed, prioritized, and set on aggressive maintenance schedule. This assessment takes place every two years and will occur again in 2014. KUB proactively conducts routine maintenance on these grinder pumps, such as replacing electrical or mechanical components, to help prevent future SSOs; however, many of the issues in 2013 resulting in SSOs or building backups were due to either tampering or customer care of the equipment. In many cases, customers put items down their sewer laterals, like grease and rags, which clogged the pumps. In one event, the power was turned off to the grinder pump from the breaker inside the house. Information is provided periodically to customers who have KUB-owned grinder pumps to educate on how to care for and use those pumps.

In addition, construction failures caused 20 SSOs and building backups this year. There is a wide range of factors in this category, such as sewer main flushing, dig-ins, and blockages caused by construction debris. When these situations occur, they are evaluated on a case-by case basis,

investigated to determine how the situation could have been prevented, and discussed with the contractor to prevent future occurrences. If issues continue with a specific contractor, KUB may increase the level of disciplinary action to exclude the contractor from future contracts.

**Figure 4.A**



#### Sanitary Sewer Overflow Volumes

Figures 4.A and 4.B represent the SSO volumes between 2003 and 2013. For Figure 4.B, the SSO volumes were grouped into four volume ranges:

- Between 0 and 1000 gallons
- Between 1001 and 10,000 gallons
- Greater than 10,000 gallons
- Not available.

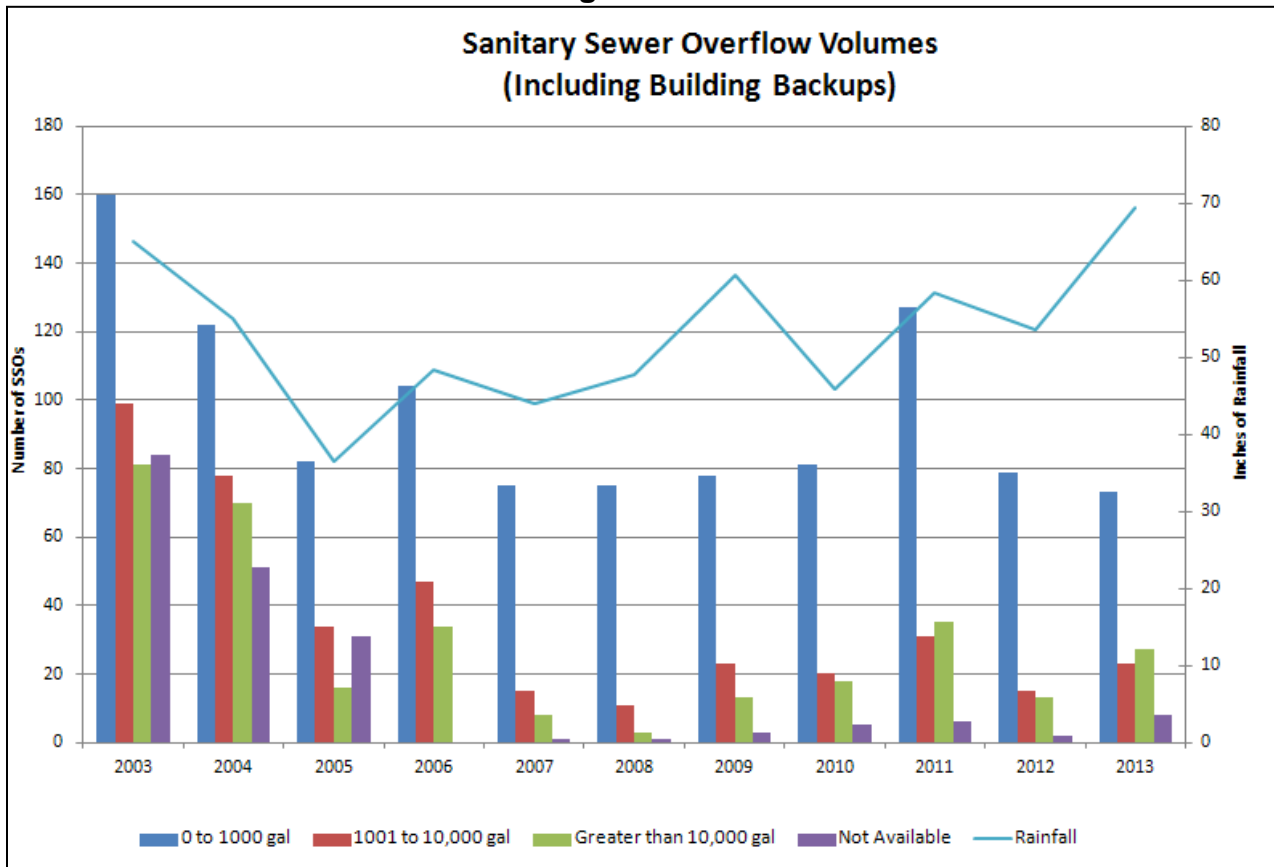
Total volumes have decreased by almost 40 percent, from 95.66 million gallons in 2003 to 57.6 million gallons in 2013. The decrease in total overflow volumes from 2006 to 2007 is attributed to very low rainfall totals. All of the overflows that occurred in 2007 were dry-weather events. This downward trend continued in 2008 with the use of four storage tanks to help manage peak wet-weather flows. The increase from 2009 to 2013 was a result of increased rainfall, and particularly, the result of individual rainfall events of significant magnitude and intensity, as previously discussed.

In June 2011, KUB achieved substantial completion and the beneficial use of the Lower Third Creek and Second Creek Wastewater Storage Facilities. These tanks added 12 million gallons of peak-flow storage for the Kuwahee WWTP to further reduce wet-weather SSOs, reduce diversions, and provide improved operational flexibility during heavy rainfall. It is important to note that KUB attempts to recover as much volume as possible during each event and responds to overflows as quickly as possible, which results in lower discharge volumes. However, significant and continued rainfall over a period of days can make this more difficult.

The increase in SSO volumes from 2012 to 2013 can mostly be attributed to the rain event from January 13-17, which KUB requested to be considered as a Force Majeure event. All six of KUB's wastewater storage facilities, designed to hold 34 million gallons, were used to manage the resulting flow in the collection system. All the tanks were filled to their maximum capacity to prevent SSOs. In fact, the Upper First Creek and Walker Springs storage facilities were filled to their maximum capacity within the first day. The ground was saturated from wet-weather conditions over the prior 30-60 days, and the excess flow from I/I quickly filled system storage. The Walker Springs storage facility helped manage and control flow to the Fourth Creek WWTP. The Lower Third Creek tank and Second Creek tank helped manage and control flow to the Kuwahee WWTP. All of KUB's plants received record influent flows, which exceeded their design capacity. The plants were operated in accordance with the approved Process Control Program to manage the high flow conditions to the fullest extent possible over the 5 days of rain followed by snow and ice. The Knoxville area has not seen a similar rainfall event in duration and magnitude in many years.

The NWS showed 2013 as the second highest year for precipitation since rain data collection began in Knoxville in 1871. According to the NWS, the Knoxville area received 69.35 inches of rain in 2013, which is 21.49 inches above normal or an additional one-third of the amount typically received during a year. Eight of the 12 months registered with above average rainfall. The use of KUB's six storage facilities and ongoing rehabilitation efforts have reduced flows in the sewer system during heavy and intense rainfall events.

**Figure 4.B**



The Sewer Overflow Response Plan (SORP) provides structured volume estimating techniques for field crews. The SORP provides six basic techniques to determine the amount of discharge that occurred:

- Calculating Rectangular Spill Areas
- Calculating Based on Duration and Number of Residential Services
- Calculating Based on Vent Hole Analysis
- Calculating Based on Gap Around Manhole
- Calculating Based on No Manhole Lid
- Calculating Discharge from Pump station or Pressurized System

#### *0 to 1000 gallons*

The number of SSOs and building backups in this category has decreased by 54 percent since 2003. In 2013, 73 of the 131 SSOs and building backups were 1,000 gallons or less, and out of those, 79.5 percent (58) were less than 500 gallons. Most of these events were related to blockages, grinder pumps failures, or construction failures.



*1001 to 10,000 gallons*

There were only 23 SSOs and building backups in this category for 2013, which is a decrease of almost 77 percent compared to 2003. The overflows in this category were mostly caused by blockages or broken pipe.

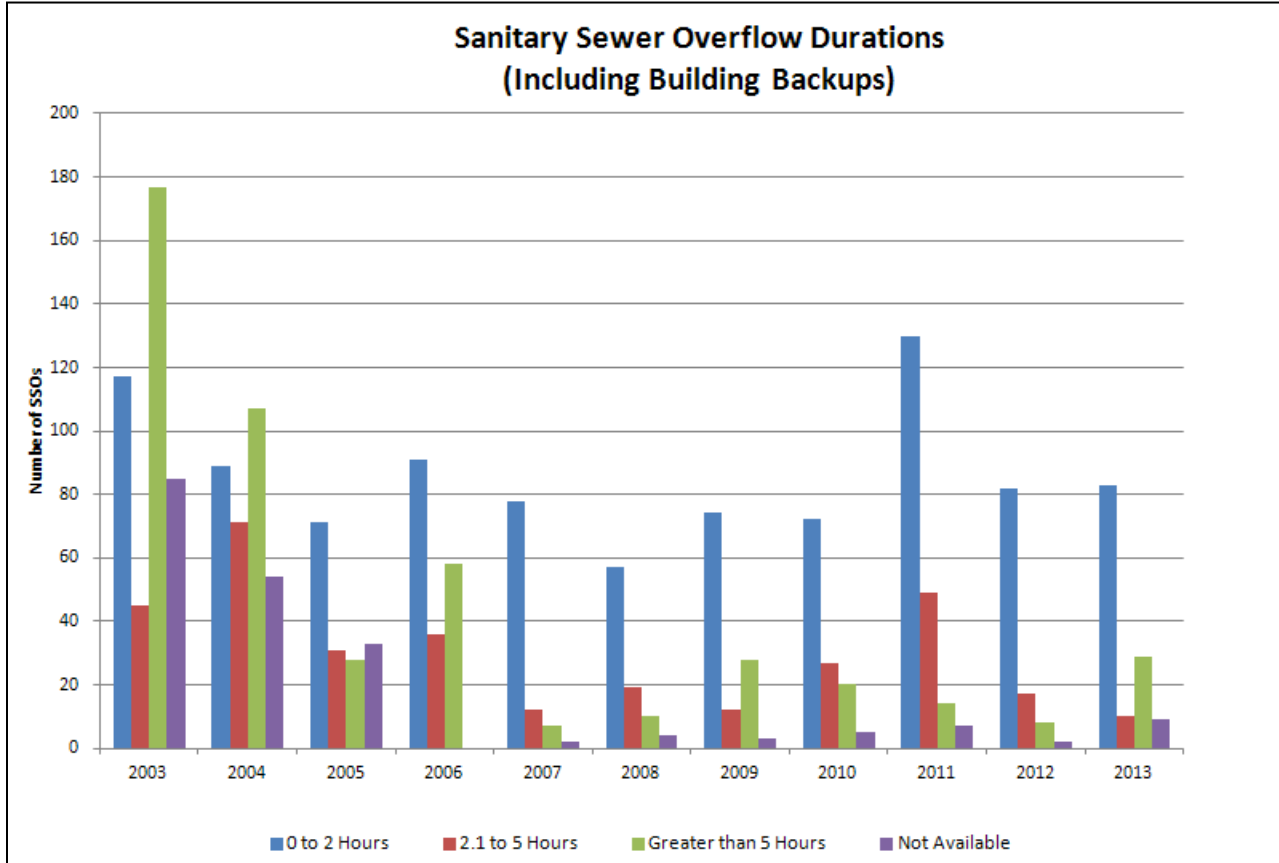
*Greater than 10,000 gallons*

These volumes are normally associated with rainfall-related events. Twenty-seven SSOs and building backups fell into this category in 2013, and out of those, 12 fell within the Force Majeure rain event. The SSOs and building backups in this category have decreased by almost 67 percent since 2003, which highlights the success of increased capacity and reduction of inflow and infiltration through rehabilitation and replacement projects and wastewater storage facilities.

*Not Available (N/A)*

This volume range represents situations where responders were not able to calculate volume because the overflow had occurred at some point in the past and was not detected until after the overflow had stopped. Under KUB's revised SORP, crews calculate volumes for both overflows and building backups, where sufficient flow data is available. There were eight cases in 2013 where the total could not be estimated because the overflow had stopped by the time it was discovered. Situations where the overflow is discovered at a later date do not allow volume to be reported. KUB has been able to decrease the number of events in this category by over 90 percent since 2003.

**Figure 5**



#### Sanitary Sewer Overflow Durations

Figure 5 represents the SSO durations between 2003 and 2013. Durations are typically based on the amount of time elapsed since the overflow was first observed until the time the overflow was observed to have stopped. In cases where KUB can document or has reason to believe the overflow had been ongoing prior to observation, durations may be estimated. In many cases, KUB mitigated the overflow shortly after confirmation of the event. The SSO durations were grouped into four ranges:

- Between 0 and 2 hours
- Between 2.1 and 5 hours
- Greater than 5 hours
- Not available.

#### *0 to 2 hours*

In 2013, 83 of the 131 SSOs and building backups fell within this category. This duration range is typically associated with blockage-related events. With this category having the highest number of events from 2005 to 2013, the increased response time directed by the SORP is evident. The 2013 Annual MOM Progress Report showed that our average response time for SSOs was 37.4 minutes. Sixty-three percent of SSOs and building backups in 2013 fell within this range. KUB currently has 19 automated manhole surcharge indicators that monitor flows using depth sensors

and telemetry. When a manhole is in surcharging condition at an overflow level, an alarm occurs, and crews are dispatched to initiate the response outlined in the SORP.

#### *2.1 to 5 hours*

Again, this duration is typically related to blockages and/or rain events and this category fluctuates over the timeframe. The range was from a low of 12 in 2007 and 2009 to a high of 71 in 2004. However, the overall average from 2007 to 2013 has decreased by about 54 percent relative to the average in the previous four years (2003-2006) and shows KUB improved response to reduce the duration and volume of SSOs within our system. Only 10 occurrences from 2013 fell within this category.

#### *Greater than 5 hours*

These durations are typically associated with rainfall events. The occurrences in this category are significantly influenced by the amount and intensity of rainfall events; however, the additional collection system work and storage facilities have helped to decrease these occurrences in more recent years. There were 29 occurrences in 2013, and 18 were associated with the rainfall events in January. The number of events in this category has decreased by 83.6 percent since 2003.

#### *Not Available (N/A)*

This category captures the durations for which responders were not able to document because the overflow had occurred at some point in the past and was not detected until after the overflow had stopped. Under KUB's revised SORP, crews document durations for both overflows and building backups, where sufficient data is available. There were nine cases in 2013 where the time was unknown because the overflow had stopped by the time it was discovered. Situations where the overflow is discovered at a later date do not allow event durations to be reported. KUB has been able to decrease the number of events in this category by over 89 percent since 2003.

## **Appendix A**

### **Unpermitted Discharges Subject to Stipulated Penalties**

## 2013 Unpermitted Discharge Data and Analysis

Appendix A lists any SSO in 2013 that resulted in an unpermitted discharge along with its cause, volume, rainfall intensity, and one- and three-day rainfall totals. Figure 7 summarizes events impacted by factors that were difficult to control or events that had minimal impact on the environment due to their low volume.

**Figure 7**

Category	Count
Mech/Elec. Failure	4
Vandalism	1
3-day rainfall > 4 in.	16
1-day rainfall > 3 in.	0
Intensity > 0.84 in/hr	1
501 gal < Vol < 1000 gal	4
Vol < 500 gal.	7
Total	33

There was an increase in unpermitted discharges from 2012 (25) to 2013 (59). Thirty-three of the 59 total unpermitted discharges in 2013 fell within one of the categories listed above. Thirty-three percent of the total unpermitted discharges had volumes under 1,000 gallons, which can be attributed to KUB's efforts in meeting the SORP's goal of responding to overflows in under 45 minutes. As previously mentioned, KUB's average response time to overflows in 2013 was 37.4 minutes.

Beginning on January 13, a significant rainfall event occurred that lasted for five continuous days and produced over eight inches of rain. Historical data from the NWS showed this event to be greater than a 25-year return period storm overall; however, some parts of KUB's service area measured the event to be greater than a 100-year return period storm. A total of 19 overflows, 16 of which were unpermitted discharges, were timely reported as a result of the precipitation from January 13 to 17. KUB requested the January 13-17, 2013 storm event be recognized as a Force Majeure event in a letter to the EPA on February 6, 2013.

A significant decline in unpermitted discharges has occurred over the last few years due to the completion of PACE 10 projects and KUB's ongoing system maintenance. The emphasis on Management, Operation, and Maintenance (MOM) program efforts, as described in the recently submitted 2013 MOM Progress Report, is a major contributor to this decline and will continue to be important to further reduce overflow events. KUB is ahead of schedule to finish all CSSAP assessments within one 12-year cycle period. KUB has already assessed over 85 percent of its gravity collection system, over 76 percent of its manholes, and over 83 percent of private sewer laterals. In addition, all sewer force mains and pump stations have been assessed every two years. Almost 20 percent of the sewer system has undergone rehabilitation or replacement to aggressively eliminate SSOs and unpermitted discharges. Additionally, 11 percent of KUB's sewer system is in the BA Program to reduce blockage related overflows. As KUB progresses in MOM activities, Basin Characterization has become a larger part of the evaluation as a more comprehensive set of data becomes available from CSSAP activities, such as smoke testing, flow monitoring, and closed circuit television. These characterizations help direct system improvements, either through capital projects or preventative maintenance activities, to reduce both dry- and wet-weather SSOs.

<b>Appendix A</b>										
<b>Unpermitted Discharges in 2013</b>										
		Overflow volume of 500 gallons or less			1-day rainfall greater than 3"					
		Overflow volume of 501 - 1000 gallons			3-day rainfall greater than 4"					
		Vandalism			Intensity > 0.84 in/hr					
		Electrical or mechanical failure								
<b>Reporting</b>				<b>Unrecovered</b>	<b>Receiving</b>		<b>Rainfall Totals</b>		<b>Peak Rainfall</b>	<b>Force Majeure</b>
<b>Period</b>	<b>Date</b>	<b>Location</b>	<b>Event</b>	<b>Volume (Gal.)</b>	<b>Stream</b>	<b>Cause</b>	<b>1-Day*</b>	<b>3-Day**</b>	<b>Intensity (in/hr)</b>	<b>event</b>
1st 2013	1/14/2013	5829 Ball Camp Pike	Unpermitted Discharge	10,600	Third Creek	Blockage	1.59	2.54	0.49	Yes
1st 2013	1/15/2013	1903 Jefferson Avenue	Unpermitted Discharge	75	First Creek	Heavy Rainfall	2.57	5.09	0.49	Yes
1st 2013	1/15/2013	2328 Cedar Lane	Unpermitted Discharge	11,655	First Creek	Heavy Rainfall	2.57	5.09	0.49	Yes
1st 2013	1/15/2013	3410 Boright Drive	Unpermitted Discharge	70,650	First Creek	Heavy Rainfall	2.57	5.09	0.49	Yes
1st 2013	1/15/2013	2541 Mitchell Street	Unpermitted Discharge	317,000	First Creek	Heavy Rainfall	2.57	5.09	0.49	Yes
1st 2013	1/15/2013	2004 Riverside Drive	Unpermitted Discharge	628,000	Williams Creek	Heavy Rainfall	2.57	5.09	0.49	Yes
1st 2013	1/15/2013	1500 Lyons Bend Road	Unpermitted Discharge	4,285,300	Fourth Creek	Heavy Rainfall	2.57	5.09	0.49	Yes
1st 2013	1/15/2013	600 N Gallaher View Road	Unpermitted Discharge	11,324,000	Ten Mile Creek	Heavy Rainfall	2.57	5.09	0.49	Yes
1st 2013	1/15/2013	4719 Old Broadway	Unpermitted Discharge	16,320,000	First Creek	Heavy Rainfall	2.57	5.09	0.49	Yes
1st 2013	1/15/2013	2004 Neyland Drive	Unpermitted Discharge	18,440,000	Tennessee River	Heavy Rainfall	2.57	5.09	0.49	Yes
1st 2013	1/16/2013	201 Hermitage Drive	Unpermitted Discharge	1,225	Butterfly Lake	Heavy Rainfall	0.79	4.98	0.49	Yes
1st 2013	1/16/2013	2412 Bernhurst Drive	Unpermitted Discharge	1,425	First Creek	Heavy Rainfall	0.79	4.98	0.49	Yes
1st 2013	1/16/2013	6410 S Northshore Drive	Unpermitted Discharge	5,800	Fourth Creek	Heavy Rainfall	0.79	4.98	0.49	Yes
1st 2013	1/16/2013	4505 Middlebrook Pike	Unpermitted Discharge	10,000	Third Creek	Heavy Rainfall	0.79	4.98	0.49	Yes
1st 2013	1/16/2013	6016 Neubert Springs Road	Unpermitted Discharge	10,000	Knob Creek	Heavy Rainfall	0.79	4.98	0.49	Yes
1st 2013	1/17/2013	6532 Westside Drive	Unpermitted Discharge	200	Ten Mile Creek	Heavy Rainfall	0.99	4.35	0.49	Yes
1st 2013	1/17/2013	2541 Fair Drive	Unpermitted Discharge	13,900	First Creek	Heavy Rainfall	0.99	4.35	0.49	Yes
1st 2013	1/30/2013	2500 Cedar Lane	Unpermitted Discharge	280	First Creek	Heavy Rainfall	2.71	2.71	0.66	
1st 2013	1/30/2013	1903 Jefferson Avenue	Unpermitted Discharge	875	First Creek	Heavy Rainfall	2.71	2.71	0.66	
1st 2013	1/30/2013	3305 McKamey Road	Unpermitted Discharge	6,400	Third Creek	Heavy Rainfall	2.71	2.71	0.66	
1st 2013	1/30/2013	2004 Riverside Drive	Unpermitted Discharge	13,100	Williams Creek	Heavy Rainfall	2.71	2.71	0.66	
1st 2013	1/30/2013	2541 Mitchell Street	Unpermitted Discharge	19,600	First Creek	Heavy Rainfall	2.71	2.71	0.66	
1st 2013	1/30/2013	3412 Boright Drive	Unpermitted Discharge	21,300	First Creek	Heavy Rainfall	2.71	2.71	0.66	
1st 2013	1/30/2013	1500 Lyons Bend Road	Unpermitted Discharge	905,700	Fourth Creek	Heavy Rainfall	2.71	2.71	0.66	
1st 2013	1/31/2013	600 N Gallaher View Road	Unpermitted Discharge	570,700	Ten Mile Creek	Heavy Rainfall	0.0013	2.71	0.66	
1st 2013	2/4/2013	4100 Central Avenue Pike	Unpermitted Discharge	50	Second Creek	Heavy Rainfall	0.00	0.06	0.08	
1st 2013	2/4/2013	409 N Bellemeade Avenue	Unpermitted Discharge	500	Third Creek	Heavy Rainfall	0.00	0.06	0.08	
1st 2013	2/10/2013	1521 Saylor's Ford Road	Unpermitted Discharge	435	Holston River	WWTP - Mechanical Failure	0.20	0.30	0.12	
1st 2013	3/11/2013	2840 Essary Drive	Unpermitted Discharge	180	First Creek	Blockage	0.73	0.73	0.03	
1st 2013	3/11/2013	4917 Ball Road	Unpermitted Discharge	3,400	Fourth Creek	Broken System	0.73	0.73	0.03	
1st 2013	3/15/2013	4923 Ball Road	Unpermitted Discharge	2,700	Fourth Creek	Broken System	0.00	0.00	0.00	
1st 2013	3/27/2013	2418 Selma Avenue	Unpermitted Discharge	800	Williams Creek	Blockage	0.00	0.05	0.04	
2nd 2013	4/8/2013	2724 Western Avenue	Unpermitted Discharge	20,000	Third Creek	Construction Failure	0.00	0.00	0.00	
2nd 2013	4/27/2013	608 Van Street	Unpermitted Discharge	1,000	Second Creek	Blockage	1.09	1.09	0.38	
2nd 2013	4/28/2013	1540 Jourlman Avenue	Unpermitted Discharge	6,350	Third Creek	Blockage	2.42	3.51	0.38	
2nd 2013	4/28/2013	1500 Lyons Bend Road	Unpermitted Discharge	1,660,879	Fourth Creek	Electrical Failure	2.42	3.51	0.38	
2nd 2013	5/6/2013	2722 Chukar Road	Unpermitted Discharge	5,500	Fourth Creek	Blockage	0.23	2.00	0.19	
2nd 2013	5/6/2013	2541 Mitchell Street	Unpermitted Discharge	12,500	First Creek	Heavy Rainfall	0.23	2.00	0.19	
2nd 2013	5/16/2013	2327 South Haven Road	Unpermitted Discharge	Unknown	Unknown Tributary to Baker	Heavy Rainfall	NA***	NA***	NA***	
2nd 2013	6/4/2013	2111 Schofield Street	Unpermitted Discharge	40,000	Third Creek	Construction Failure	0.00	2.50	0.73	
2nd 2013	6/12/2013	6549 Creekhead Drive	Unpermitted Discharge	3,000	Ten Mile Creek	Vandalism	0.00	0.52	0.10	
2nd 2013	6/18/2013	2500 Cedar Lane	Unpermitted Discharge	300	First Creek	Heavy Rainfall	0.87	1.91	0.59	
3rd 2013	7/7/2013	2327 South Haven Road	Unpermitted Discharge	500	Baker Creek	Heavy Rainfall	2.14	3.33	0.63	
3rd 2013	7/7/2013	2008 Riverside Drive	Unpermitted Discharge	6,000	Williams Creek	Heavy Rainfall	2.14	3.33	0.63	
3rd 2013	7/7/2013	4100 Central Avenue Pike	Unpermitted Discharge	36,600	Second Creek	Heavy Rainfall	2.14	3.33	0.63	
3rd 2013	7/7/2013	600 N Gallaher View Road	Unpermitted Discharge	540,000	Ten Mile Creek	Heavy Rainfall	2.14	3.33	0.63	
3rd 2013	7/7/2013	1500 Lyons Bend Road	Unpermitted Discharge	1,732,500	Fourth Creek	Heavy Rainfall	2.14	3.33	0.63	
3rd 2013	7/8/2013	2541 Mitchell Street	Unpermitted Discharge	19,000	First Creek	Heavy Rainfall	0.00	3.24	0.63	
3rd 2013	7/9/2013	1201 Watercress Drive	Unpermitted Discharge	67,000	First Creek	Construction Failure	0.00	2.14	0.63	
3rd 2013	7/9/2013	409 N Bellemeade Avenue	Unpermitted Discharge	Unknown	Third Creek	Heavy Rainfall	0.00	2.14	0.63	



Reporting Period	Date	Location	Event	Unrecovered Volume (Gal.)	Receiving Stream	Cause	Rainfall Totals		Peak Rainfall Intensity (in/hr)	Force Majeure event
3rd 2013	7/9/2013	4505 Middlebrook Pike	Unpermitted Discharge	Unknown	Third Creek	Heavy Rainfall	0.00	2.14	0.63	
3rd 2013	7/10/2013	6410 S Northshore Drive	Unpermitted Discharge	Unknown	Fourth Creek	Heavy Rainfall	0.35	0.35	0.57	
3rd 2013	7/15/2013	4719 Old Broadway	Unpermitted Discharge	Unknown	First Creek	Heavy Rainfall	0.00	0.67	0.57	
3rd 2013	9/6/2013	1901 Sutherland Avenue	Unpermitted Discharge	700	Third Creek	Blockage	0.00	0.00	0.00	
3rd 2013	9/17/2013	1017 Cox Street	Unpermitted Discharge	75	Third Creek	Broken System	0.00	0.00	0.00	
3rd 2013	9/21/2013	2015 Neyland Drive	Unpermitted Discharge	115,000	Tennessee River	WWTP - Process Failure	2.32	2.32	1.07	
3rd 2013	9/22/2013	1500 Lyons Bend Road	Unpermitted Discharge	227,000	Fourth Creek	WWTP - Electrical Failure	0.00	2.32	1.07	
3rd 2013	9/26/2013	2501 Ailor Avenue	Unpermitted Discharge	5,600	Third Creek	Blockage	0.00	0.48	0.18	
4th 2013	12/9/2013	600 North Gallaher View Road	Unpermitted Discharge	59,000	Ten Mile Creek	WW Storage Facility - Mechanical Failure	0.87	1.64	0.22	
*1-Day Rainfall Total is the rain that occurred on the day of the SSO										
**3-Day Rainfall Total is the total amount of rain that occurred on the day of the SSO and the 2 days prior										
***Evidence of this event was discovered some time after it occurred. The line was CCTVd and no defects were discovered so the event was attributed to a prior rain event.										

2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
1/24/02	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	1,000,000	20.5	✓	Future Construction Planned	N/A	N/A
1/25/02	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	50,000	2.5	✓	Future Construction Planned	N/A	N/A
3/17/02	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	1,916,000	2	✓	N/A	Repair Completed	N/A
3/17/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
3/17/02	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	450,000	9	✓	Future Construction Planned	N/A	N/A
3/18/02	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	134,000	0.13	✓	Construction Underway	N/A	N/A
3/18/02	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	200,000	5.5	✓	Future Construction Planned	N/A	N/A
3/18/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	3000	10	✓	Construction Completed	N/A	N/A
4/19/02	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Mechanical Failure. Plant was reinstated.	569,000	2	✓	N/A	Repair Completed	N/A
5/3/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	900	1	✓	Construction Completed	N/A	N/A
6/6/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		WWTP - Electrical Failure. Electricity was restored.	38,000	0.25	✓	Future Construction Planned	N/A	N/A
7/30/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		WWTP - Electrical Failure. Electricity was restored.	10,000	0.07	✓	Future Construction Planned	N/A	N/A
9/21/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,660,000	2.18	✓	Future Construction Planned	N/A	N/A
9/21/02	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	3000	0.25	✓	Future Construction Planned	N/A	N/A
9/21/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	28,800	12	✓	Construction Completed	N/A	N/A
9/22/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,300,000	1	✓	Future Construction Planned	N/A	N/A
9/22/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	5,700,000	4.5	✓	Future Construction Planned	N/A	N/A
10/3/02	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1200	2	✓	Construction Completed	N/A	N/A
10/4/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	6000	1	✓	Construction Completed	Repair Completed	12 Months
12/5/02	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	18,000	12	✓	Construction Completed	N/A	N/A
2/14/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,600,000	1.5	✓	Future Construction Planned	N/A	N/A
2/14/03	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	3000	0.25	✓	Future Construction Planned	N/A	N/A
2/14/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	16,500	22	✓	Construction Completed	N/A	N/A
2/15/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	136,000	2	✓	Construction Underway	N/A	N/A
2/15/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	11,700,000	16.5	✓	Future Construction Planned	N/A	N/A
2/16/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	180	2	✓	Construction Completed	N/A	N/A
2/16/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	871,000	6	✓	Construction Underway	N/A	N/A
2/16/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	12,120,000	18	✓	Future Construction Planned	N/A	N/A
2/17/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,480,000	7	✓	Future Construction Planned	N/A	N/A
2/19/03	4606	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Blockage - Debris. The sewer main was flushed & area was cleaned.	90	3	✓	Construction Completed	N/A	N/A
2/21/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,320,000	2.5	✓	Future Construction Planned	N/A	N/A
2/22/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	10,870,000	22.5	✓	Future Construction Planned	N/A	N/A
2/22/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	10,500	70	✓	Construction Completed	N/A	N/A
2/27/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1890	21	✓	Construction Completed	N/A	N/A
3/8/03	4411	CYPRESS LANE	KUW	South Knoxville	39	MH 62-21		Blockage - Roots. The sewer main was flushed & area was cleaned.	1440	8	✓	N/A	BA	12 Months
3/13/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	600	0.5	✓	Construction Completed	N/A	N/A
3/20/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	600	0.34	✓	Construction Completed	N/A	N/A
3/28/03	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	BA	12 Months
3/30/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	9000	3	✓	Construction Completed	N/A	N/A
3/31/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	1500	0.5	✓	Construction Completed	N/A	N/A
4/10/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,740,000	3	✓	Future Construction Planned	N/A	N/A
4/10/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	510	4.25	✓	Construction Completed	N/A	N/A
5/5/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,050,000	3	✓	Future Construction Planned	N/A	N/A
5/5/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	3300	550	✓	Construction Completed	N/A	N/A
5/6/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	26,710	8.5	✓	Construction Underway	N/A	N/A
5/6/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	49,875	66.5	✓	Construction Completed	N/A	N/A
5/6/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	22,060,000	15	✓	Future Construction Planned	N/A	N/A
5/7/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	2100	2	✓	Construction Completed	N/A	N/A
5/7/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	19,400,000	15.5	✓	Future Construction Planned	N/A	N/A
5/11/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	300	1.5	✓	Construction Completed	N/A	N/A
5/15/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	1,500,000	3	✓	Construction Underway	N/A	N/A
7/2/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	14,440	24	✓	Construction Completed	N/A	N/A
7/9/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	1,370,000	3.14	✓	Construction Underway	N/A	N/A
9/9/03	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	30	4	✓	N/A	Repair Completed	N/A
9/13/03	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	Unknown	Unknown	✓	N/A	Repair Completed	N/A
11/6/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	3600	4	✓	Construction Completed	N/A	N/A
11/6/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	50,000	0.72	✓	Future Construction Planned	N/A	N/A
11/19/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1920	8	✓	Construction Completed	N/A	N/A
12/11/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	48,650	0.33	✓	N/A	Repair Completed	N/A
12/30/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Construction Failure - Sewer Main Flushing. The area was cleaned.	30	0.17	✓	Construction Completed	N/A	N/A
1/28/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	50	2	✓	Construction Completed	BA	12 Months
2/6/04	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	54,000	9	✓	Construction Completed	N/A	N/A
2/6/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	6050	23.5	✓	Construction Completed	N/A	N/A
2/6/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	13,500	18	✓	Construction Completed	BA	12 Months
2/6/04	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	6660	18.5	✓	Future Construction Planned	BA	12 Months
3/6/04	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	3000	1	✓	Construction Completed	N/A	N/A
3/6/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1680	3.5	✓	Construction Completed	N/A	N/A
3/6/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	3150	2.5	✓	Construction Completed	BA	12 Months
5/31/04	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	2400	1	✓	Construction Completed	N/A	N/A
6/17/04	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	4675	4	✓	Construction Completed	N/A	N/A
6/17/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	Primary Clarifiers 3, 4, 5 & 6		Heavy rainfall in the area resulted in high flows in the collection system.	2000	0.58	✓	Construction Underway	N/A	N/A
6/23/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	BA	12 Months
6/25/04	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	11,520	4	✓	Construction Completed	N/A	N/A
6/25/04	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1080	2	✓	Construction Completed	N/A	N/A
6/27/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	240	4	✓	Construction Completed	N/A	N/A
7/27/04	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1440	4	✓	Construction Completed	N/A	N/A
9/10/04	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Blockage - Grease. The sewer main was flushed & area was cleaned.	180	1	✓	Construction Completed	BA/Grease Control	1 Month
9/17/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	31,680	22	✓	Construction Completed	N/A	N/A
9/20/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	561	5	✓	Construction Completed	BA	12 Months
9/22/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Mechanical Failure. Plant was reinstated.	102,483	0.5	✓	N/A	Repair Completed	N/A
9/24/04	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	75	1.25	✓	Construction Completed	BA	1 Month
10/19/04	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	Underground Flow		Blockage - Grease. The sewer main was flushed & area was cleaned.	2805	27	✓	Construction Completed	BA/Grease Control	1 Month
11/24/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	250	0.007	✓	Construction Underway	N/A	N/A
11/24/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	6480	12	✓	Construction Completed	N/A	N/A
11/24/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	2040	11.3	✓	Construction Completed	BA	12 Months
11/24/04	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Blockage - Grease. The sewer main was flushed & area was cleaned.	3960	8.25	✓	Construction Completed	BA/Grease Control	6 Months
11/30/04	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	2	✓	N/A	Repair Completed	N/A
12/1/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	20,160	14	✓	Construction Completed	N/A	N/A
12/1/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	37,400	12	✓	Construction Completed	BA	12 Months
12/7/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	390,240	24	✓	Construction Completed	N/A	N/A

2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
12/7/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	54,720	9.5	✓	Construction Completed	BA	12 Months
12/9/04	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	85,170	41.75	✓	Construction Completed	N/A	N/A
12/9/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	Aeration Splitter Box		Heavy rainfall in the area resulted in high flows in the collection system.	29,123	2.67		Construction Underway	N/A	N/A
12/9/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	113,590	1.83	✓	Construction Underway	N/A	N/A
12/9/04	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	2640	22	✓	Construction Completed	BA	1 Month
12/9/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	189,000	70	✓	Construction Completed	N/A	N/A
12/9/04	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	400,000	2.63		Future Construction Planned	N/A	N/A
12/9/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	1,008,120	62	✓	Construction Completed	BA	12 Months
12/9/04	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	26,928	8	✓	Future Construction Planned	BA	12 Months
2/15/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	#6 Digester		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	5500	0.5		Future Construction Planned	N/A	N/A
2/21/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	260000	20	✓	Construction Completed	N/A	N/A
2/22/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	#6 Digester		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	200	0.17		Future Construction Planned	N/A	N/A
3/10/05	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	5		N/A	Repair Completed	N/A
3/22/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Filtrate Tank		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	200	0.1		Future Construction Planned	N/A	N/A
3/28/05	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	50,410	2	✓	Construction Underway	N/A	N/A
4/2/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	7,200	20	✓	Construction Completed	N/A	N/A
4/2/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	9,000	1.5		Future Construction Planned	N/A	N/A
4/4/05	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47-1		Heavy rainfall in the area resulted in high flows in the collection system.	1,200	4	✓	Construction Completed	N/A	N/A
4/13/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	247,680	43	✓	Construction Completed	N/A	N/A
4/19/05	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	250	2	✓	Construction Completed	BA	12 Months
5/20/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	5,610	2.75	✓	Construction Completed	N/A	N/A
5/20/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Primary Clarifiers # 3-4 Influent Boxes		Heavy rainfall in the area resulted in high flows in the collection system.	500	0.17		Future Construction Planned	N/A	N/A
5/24/05	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	60	1	✓	Construction Completed	N/A	N/A
7/19/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1,037	3	✓	Construction Completed	N/A	N/A
8/23/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Digester MH		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	0	0.08		Future Construction Planned	N/A	N/A
8/23/05	2304	WOODS CREEK ROAD	LC	Loves Creek	6	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	2		N/A	Repair Completed	N/A
1/17/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	270	2	✓	Construction Completed	BA	12 Months
1/26/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	14025	1	✓	Construction Completed	BA	12 Months
4/4/06	5105	BALL ROAD	FC	Fourth Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	442400	252		N/A	Repair Completed	N/A
4/8/06	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	38148	17	✓	Construction Completed	N/A	N/A
4/8/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	20196	12	✓	Construction Completed	BA	12 Months
4/21/06	4411	CYPRESS LANE	KUW	South Knoxville	39	MH 62-21		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	225	3		N/A	BA	3 Months
4/22/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	89670	12	✓	Construction Completed	BA	12 Months
4/24/06	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	14890	6	✓	Construction Completed	N/A	N/A
6/7/06	8530	CROSSWIND LANDING LANE	EB	Eastbridge	110	Vetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	150	0.5		N/A	Repair Completed	N/A
8/4/06	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	500	1		Construction Completed	Repair Completed	N/A
9/23/06	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Vetwell		Heavy rainfall in the area resulted in high flows in the collection system.	9000	5		Construction Completed	N/A	N/A
9/23/06	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	8640	6	✓	Construction Completed	N/A	N/A
9/23/06	3741	EAKERS STREET	KUW	South Knoxville	40	MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	10560	8		Construction Completed	N/A	N/A
9/23/06	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	489000	2.88		Construction Underway	N/A	N/A
9/23/06	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	50	0.008		Future Construction Planned	N/A	N/A
9/23/06	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	360	2		Construction Completed	N/A	N/A
9/23/06	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	1440	6		Construction Completed	BA	6 Months
9/24/06	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	3310000	5	✓	Construction Completed	N/A	N/A
9/24/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	197712	6	✓	Construction Completed	BA	12 Months
9/25/06	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	304380	6		Construction Completed	N/A	N/A
9/28/06	302	SEVENTH AVENUE	KUW	First Creek	18	MHs 15 & 16		Blockage - Roots. The sewer main was flushed & area was cleaned.	6209	6	✓	Future Construction Planned	BA	6 Months
10/27/06	2708	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system.	5100	5		Future Construction Planned	BA	6 Months
11/1/06	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	720	4	✓	Construction Completed	N/A	N/A
11/1/06	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	558	5	✓	Future Construction Planned	BA	6 Months
12/31/06	2004	NEYLAND DRIVE	KUW	Third Creek	35A	MH 1		WWTP - Mechanical Failure. Plant was reinstated.	160000	0.33		Future Construction Planned	N/A	N/A
1/8/07	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Blockage - Roots. The sewer main was flushed & area was cleaned.	720	2	✓	Future Construction Planned	BA	6 Months
3/3/07	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		WWTP - Electrical Failure. Electricity was restored.	1,170,000	1.5	✓	Future Construction Planned	Repair Completed	N/A
3/3/07	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Ruptured Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	10,600	1		Future Construction Planned	Repair Completed	N/A
6/7/07	1500	LYONS BEND ROAD	FC	Fourth Creek	37	Leaking Valve		Broken System - Sludge Line Valve Failure. The valve was replaced & the area cleaned.	25	0.58		N/A	Repair Completed	N/A
9/24/07	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Broken Force Main		Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	4,500	1.5		Construction Completed	Repair Completed	N/A
2/4/08	516	N BEAMAN STREET	LC	Loves Creek	20	MH 61-8		Blockage - Roots. The sewer main was flushed & area was cleaned.	180	1		Construction Completed	BA	6 Months
2/18/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Primary Sludge Pipe		Broken System - Sludge Line Leak. The leak was repaired & the area cleaned.	2,128	0.083		Future Construction Planned	Repair Completed	N/A
3/24/08	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	15	1		N/A	Repair Completed	N/A
5/28/08	4144	OAKLAND DRIVE	KUW	First Creek	2	MHs 39-4, 39-44, 39-45 & Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	45,655	2	✓	Construction Completed	N/A	N/A
6/11/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	MH 4-51		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	50	0.02		Future Construction Planned	Repair Completed	N/A
6/12/08	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	3		N/A	Repair Completed	N/A
7/4/08	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	4		N/A	Repair Completed	N/A
7/28/08	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	300	1	✓	Construction Completed	Repair Completed	N/A
7/30/08	5405	LANCE DRIVE	KUW	Third Creek	21	MH 10-85		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	4,900	24		N/A	BA	6 Months
8/4/08	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	29	2.33		N/A	Repair Completed	N/A
9/4/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Broken Gravity Main		Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	50	0.083		Future Construction Planned	Repair Completed	N/A
12/3/08	3413	KINGSTON PIKE	KUW	Third Creek	29	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	200	10		Construction Completed	N/A	N/A
12/10/08	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1,100	4		Construction Completed	N/A	N/A
12/11/08	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	65	1		Construction Completed	BA	6 Months
1/6/09	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 42,43,44 & 45		Heavy rainfall in the area resulted in high flows in the collection system.	4,830	9.5	✓	Construction Underway	N/A	N/A
1/6/09	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	4,575	9	✓	Construction Completed	BA/Grease Control	6 Months
1/6/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Vetwell		Heavy rainfall in the area resulted in high flows in the collection system.	60,000	10	✓	Construction Completed	N/A	N/A
1/6/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	7,400	14.5	✓	Construction Completed	N/A	N/A
1/6/09	5011	KINGSTON PIKE	KUW	Third Creek	34	MH 58		Heavy rainfall in the area resulted in high flows in the collection system.	5,600	11		Construction Completed	N/A	N/A
1/6/09	4144	OAKLAND DRIVE	KUW	First Creek	2	MHs 39-4, 39-44, 39-45 & 2 Lateral Cleanouts		Heavy rainfall in the area resulted in high flows in the collection system.	22,475	11	✓	Construction Completed	N/A	N/A
1/7/09	701	CEDAR LANE	KUW	Second Creek	5	MH 35-4		Blockage - Roots. The sewer main was flushed & area was cleaned.	37,450	26		N/A	BA	3 Months
1/7/09	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	105,000	26	✓	Construction Completed	N/A	N/A
2/4/09	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Leaking ARV		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	225	1	✓	Construction Completed	N/A	N/A
2/18/09	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	190	0.25		Construction Completed	N/A	N/A
2/20/09	117	SIXTEENTH AVENUE	KUW	Second Creek	23	MH 21-33		Blockage - Grease. The sewer main was flushed & area was cleaned.	255	1		N/A	BA/Grease Control	6 Months
3/26/09	6024	BROOKVALE LANE	FC	Fourth Creek	33	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	90	1	✓	Construction Completed	N/A	N/A
3/26/09	1925	ROSEWOOD ROAD	LC	Loves Creek	105	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1.5		N/A	Repair Completed	N/A
4/16/09	5032	LYONS VIEW PIKE	KUW	Third Creek	34	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	510	6.5		N/A	Repair Completed	N/A
5/8/09	2305	CLINCH AVENUE	KUW	Third Creek	35B	MH 23-27		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	180	1		N/A	Repair Completed	N/A
5/8/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	540	1.5	✓	Construction Completed	N/A	N/A
5/10/09	3560	TALAHI DRIVE	KUW	Third Creek	38	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	140	1		N/A	BA	12 Months
6/5/09	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	3,990	4	✓	Construction Completed	N/A	N/A
6/12/09	4300	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	1		N/A	Repair Completed	N/A

2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
6/17/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	51,771	3	✓	Construction Completed	N/A	N/A
6/26/09	2305	CLINCH AVENUE	KUW	Third Creek	35B	MH 39		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	2,328	0.0166		N/A	Repair Completed	N/A
7/1/09	2304	WOODS CREEK ROAD	LC	Loves Creek	105	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	50	1		N/A	Repair Completed	N/A
7/13/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	254	1	✓	Construction Completed	N/A	N/A
7/22/09	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	37	1	✓	Construction Completed	N/A	N/A
7/27/09	2204	HIGHLAND DRIVE	KUW	First Creek	4	MH 11-21		Blockage - Roots. The sewer main was flushed & area was cleaned.	344	1		N/A	BA	3 Months
7/28/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	180	1	✓	Construction Completed	N/A	N/A
7/31/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 40		Heavy rainfall in the area resulted in high flows in the collection system.	40	0.5	✓	Construction Completed	N/A	N/A
8/6/09	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	224	0.5	✓	Construction Completed	N/A	N/A
8/12/09	5745	SANDIS LANE	LC	Loves Creek	20	Broken Force Main		Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	5,240	1		N/A	Repair Completed	N/A
8/12/09	608	VAN STREET	KUW	Second Creek	23	MHs 28-14, 28-1, & 28 and Subsurface		Blockage - Grease. The sewer main was flushed & area was cleaned.	Unknown	Unknown		Construction Completed	BA/Grease Control	N/A
8/24/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	100	0.17	✓	Construction Completed	N/A	N/A
9/23/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	14,400	8	✓	Construction Completed	N/A	N/A
9/26/09	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	350	1	✓	Construction Completed	N/A	N/A
9/26/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	6,000	2	✓	Construction Completed	N/A	N/A
9/26/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 40		Heavy rainfall in the area resulted in high flows in the collection system.	1,780	3	✓	Construction Completed	N/A	N/A
9/26/09	3741	EAKERS STREET	KUW	South Knoxville	40	MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	1,900	3	✓	Construction Completed	N/A	N/A
9/26/09	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	40,000	0.06	✓	Construction Underway	N/A	N/A
9/26/09	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	250,000	0.26	✓	Future Construction Planned	N/A	N/A
9/27/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	1,800	1	✓	Construction Completed	N/A	N/A
9/28/09	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Blockage - Grease. The sewer main was flushed & area was cleaned.	1,000	1	✓	Future Construction Planned	BA/Grease Control	3 Months
10/15/09	4201	ASHEVILLE HIGHWAY	LC	Loves Creek	20	MH 34-23		Heavy rainfall in the area resulted in high flows in the collection system.	50	0.5		Construction Completed	N/A	N/A
10/16/09	7100	ROTHERWOOD DRIVE	FC	Fourth Creek	36	MH 33		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	700	1.5	✓	Construction Completed	N/A	N/A
10/20/09	850	TALLY HO DRIVE	KUW	South Knoxville	39	MH 62-21		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,870	2		N/A	BA	6 Months
12/9/09	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	40	0.5	✓	Construction Completed	N/A	N/A
12/9/09	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	480,000	0.45	✓	N/A	Repair Completed	N/A
12/9/09	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		WWTP - Electrical Failure. Electricity was restored.	3,300,000	0.87		Future Construction Planned	Repair Completed	N/A
12/15/09	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
12/16/09	4315	CLINTON HIGHWAY	KUW	Second Creek	10	Lateral Cleanout		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	4,855	48 Intermittently		N/A	Repair Completed	N/A
12/18/09	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 42 & 43		Blockage - Grease. The sewer main was flushed & area was cleaned.	3,310	6	✓	Construction Underway	BA/Grease Control	6 Months
1/6/10	905	KERMIT DRIVE	KUW	Second Creek	5	MH 4-36		Blockage - Grease. The sewer main was flushed & area was cleaned.	1080	1.5		N/A	BA/Grease Control	6 Months
1/18/10	229	LYNNWOOD DRIVE	KUW	First Creek	3	MH 2-98		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	130	0.5		N/A	BA/Grease Control	6 Months
1/18/10	1712	POLK WRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
1/24/10	2414	BERNHURST DRIVE	KUW	First Creek	4	MHs 18-58, 18-54 & 18-53		Blockage - Unknown. The sewer main was flushed & area was cleaned.	5550	10		N/A	BA	6 Months
1/24/10	1109	BIDDLE STREET	KUW	Williams Creek	25	Lateral Cleanout & BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	1000	1		N/A	BA	6 Months
1/24/10	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	138060	8	✓	Construction Completed	BA	6 Months
1/24/10	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1 & MLSS Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	74000	1.62		Construction Underway	N/A	N/A
1/24/10	5760	SANDIS LANE	LC	Loves Creek	20	Influent Structure		WWTP - Electrical Failure. Electricity was restored.	190000	0.75		N/A	N/A	N/A
1/24/10	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	90	3		Future Construction Planned	BA	6 Months
1/25/10	6621	CLINTON HIGHWAY	KUW	Third Creek	50	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	190	2		N/A	Repair Completed	N/A
1/25/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
1/25/10	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
1/25/10	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
1/25/10	4505	MIDDLEBROOK PIKE	KUW	Third Creek	13	Diversion Structure		Heavy rainfall in the area resulted in high flows in the collection system.	21600	4		Future Construction Planned	N/A	N/A
1/25/10	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	95580	9	✓	Construction Completed	N/A	N/A
1/25/10	7100	ROTHERWOOD DRIVE	FC	Fourth Creek	36	MHs 32, 33, 34 & 36		Heavy rainfall in the area resulted in high flows in the collection system.	41575	36	✓	Construction Completed	N/A	N/A
1/25/10	5546	WILKERSON ROAD	KUW	Third Creek	9	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	5	1		N/A	Repair Completed	N/A
1/26/10	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	3400	12		Future Construction Planned	BA	12 Months
1/27/10	4611	KINGSTON PIKE	KUW	Third Creek	34	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,000	1		N/A	Repair Completed	N/A
1/27/10	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	105	1		Construction Completed	N/A	N/A
1/28/10	702	E INSKIP DRIVE	KUW	First Creek	7	MH 29-63		Blockage - Debris. The sewer main was flushed & area was cleaned.	410	1		Construction Completed	N/A	N/A
2/2/10	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system.	1000	1	✓	Future Construction Planned	BA	6 Months
2/4/10	4025	THORNWOOD ROAD	KUW	Third Creek	13	MH 17-92		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	250	2		N/A	BA/Grease Control	6 Months
2/5/10	2621	BRAGG STREET	KUW	Third Creek	22	MH 21-123		Blockage - Debris. The sewer main was flushed & area was cleaned.	60	1.5		N/A	BA	6 Months
2/5/10	2430	HIGHLAND DRIVE	KUW	First Creek	4	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	2290	1.5		Future Construction Planned	BA	6 Months
2/5/10	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system.	11500	8	✓	Future Construction Planned	BA	6 Months
2/5/10	7104	ROTHERWOOD DRIVE	FC	Fourth Creek	36	MH 34		Heavy rainfall in the area resulted in high flows in the collection system.	51015	71	✓	Construction Completed	N/A	N/A
2/10/10	800	BENNETT PLACE	FC	Fourth Creek	32B	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	45900	72	✓	Construction Completed	Repair Completed	N/A
2/12/10	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	4130	1.5		Construction Completed	N/A	N/A
2/14/10	302	LINGBURTON AVENUE	LC	Loves Creek	20	Lateral Cleanout		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	5		N/A	Repair Completed	N/A
2/15/10	100	THIRTEENTH STREET	KUW	Second Creek	23	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	100	1		N/A	Repair Completed	N/A
2/19/10	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Completed	N/A	N/A
2/21/10	5713	MILLERTOWN PIKE	LC	Loves Creek	6	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	5	1.5		N/A	Repair Completed	N/A
3/7/10	3403	VALLEY VIEW DRIVE	KUW	First Creek	8	MH 9-86		Blockage - Debris. The sewer main was flushed & area was cleaned.	1590	1.5		N/A	Repair Completed	N/A
3/8/10	1904	SANDERSON ROAD	KUW	Third Creek	28	MH 16-27		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	50	1		N/A	Repair Completed/BA	6 Months
3/10/10	6024	BROOKVALE LANE	FC	Fourth Creek	33	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
3/10/10	955	KNOXVILLE COLLEGE DRIVE	KUW	Third Creek	22	MH 6-78		Vandalism. Blockage was removed & the area was cleaned.	1250	1		N/A	BA	12 Months
3/12/10	4804	BAY STREET	KUW	Third Creek	13	MH 34-31		Blockage - Debris. The sewer main was flushed & area was cleaned.	230	1		N/A	BA	12 Months
3/17/10	2217	MARTIN LUTHER KING JR DRIVE	KUW	First Creek	24	MH 6-152 & Privately Owned MH		Blockage - Debris. The sewer main was flushed & area was cleaned.	530	0.5		N/A	BA	6 Months
3/18/10	5732	TENNYSON DRIVE	FC	Fourth Creek	32A	MH 49-182		Blockage - Debris. The sewer main was flushed & area was cleaned.	20,825	168 Intermittently		N/A	BA	6 Months
3/19/10	5218	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	22	3		N/A	Repair Completed	N/A
3/19/10	6549	CREEKHEAD DRIVE	FC	Fourth Creek	32A	MH 49-2		Blockage - Debris. The sewer main was flushed & area was cleaned.	2,030	0.5	✓	N/A	BA	12 Months
3/23/10	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		WWTP - Electrical Failure. Electricity was restored.	50000	0.05		Future Construction Planned	N/A	N/A
4/3/10	5236	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	3		N/A	Repair Completed	N/A
4/9/10	8630	ASHEVILLE HIGHWAY	EB	Eastbridge	72	Private Property/BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	950	15		N/A	BA	12 Months
4/10/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	3	✓	N/A	Repair Completed	N/A
4/17/10	5105	BALL ROAD	KUW	Third Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	72675	2		N/A	Repair Completed	N/A
4/17/10	5011	KINGSTON PIKE	FC	Fourth Creek	34	MH 58		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	290	1.4		Construction Completed	N/A	N/A
4/30/10	6712	DEANE HILL DRIVE	FC	Fourth Creek	36	MH 3-176		Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	4320	1		N/A	Repair Completed	N/A
5/3/10	601	ARTHUR STREET	KUW	Second Creek	23	MH 19-132		Blockage - Grease. The sewer main was flushed & area was cleaned.	380	2		N/A	BA/Grease Control	6 Months
5/3/10	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	4200	2.25	✓	Construction Completed	BA	6 Months
5/3/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	3600	3	✓	Construction Completed	N/A	N/A
5/3/10	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	750	5	✓	Construction Completed	N/A	N/A
5/3/10	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	450	2.5	✓	Construction Completed	N/A	N/A
5/3/10	5816	HOLSTON HILLS ROAD	LC	Loves Creek	26	MH 104-4 and BBU	BBU	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	940	1.5		N/A	Repair Completed/BA	12 Months
5/6/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	3	✓	N/A	Repair Completed	N/A
5/12/10	4509	LANDON DRIVE	KUW	Third Creek	11	MH 11-229		Blockage - Grease. The sewer main was flushed & area was cleaned.	50	1		N/A	BA/Grease Control	6 Months
5/16/10	3628	LUCINDA DRIVE	KUW	First Creek	3	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	18	2		N/A	BA/Grease Control	6 Months
5/19/10	1401	CASSELL DRIVE	KUW	Second Creek	10	MH 14-103		Blockage - Debris. The sewer main was flushed & area was cleaned.	540	1.5	✓	N/A	BA	6 Months

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
5/19/10	906	STEWART STREET	KUW	Second Creek	23	MH 35-56		Blockage - Debris. The sewer main was flushed & area was cleaned.	35	1		N/A	BA	6 Months
5/20/10	410	HASTINGS LANE	FC	Fourth Creek	33	MH 32-48		Blockage - Roots. The sewer main was flushed & area was cleaned.	200	1		N/A	BA	6 Months
5/23/10	1312	CASSELL DRIVE	KUW	Second Creek	10	MH 14-101		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	1	✓	N/A	BA/Grease Control	6 Months
6/10/10	6310	ROBERTS ROAD	EB	Eastbridge	111	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	150	1		N/A	Repair Completed	N/A
6/18/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	11	3	✓	N/A	Repair Completed	N/A
6/25/10	5660	COLONIAL CIRCLE	KUW	First Creek	3	MH 14-2		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	5,600	12		N/A	BA/Grease Control	12 Months
6/28/10	2911	JERSEY AVENUE	KUW	Third Creek	29	MH 8-30		Blockage - Roots. The sewer main was flushed & area was cleaned.	3,200	24		Construction Completed	BA	3 Months
7/5/10	3808	W BLOUNT AVENUE	KUW	South Knoxville	39	Broken Sewer Lateral		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	13000	24		N/A	Repair Completed	N/A
7/11/10	415	FORESTAL DRIVE	KUW	First Creek	8	MH 7-91		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	2		N/A	BA/Grease Control	6 Months
7/13/10	4605	CROSSBY DRIVE	KUW	Third Creek	28	Lateral Cleanout		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	1450	2		N/A	BA/Grease Control	6 Months
7/15/10	2201	HIGHLAND AVENUE	KUW	Third Creek	29	MH 9-29		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A	BA	12 Months
7/25/10	5363	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	200	4		N/A	Repair Completed	N/A
7/28/10	8530	CROSSWIND LANDING LANE	EB	Eastbridge	110	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	3000	5		N/A	Repair Completed	N/A
7/29/10	720	WOODVIEW DRIVE	KUW	Second Creek	5	MH 35-2		Blockage - Roots. The sewer main was flushed & area was cleaned.	2	1		N/A	BA	6 Months
8/3/10	2636	MARYVILLE PIKE	KUW	South Knoxville	45	MH 10-2		Vandalism - Bypass Pump Vandalized. Pump was repaired & the area was cleaned.	60	0.15		N/A	Repair Completed	N/A
8/3/10	2641	MARYVILLE PIKE	KUW	Knob Creek	45	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	4		N/A	Repair Completed	N/A
8/9/10	6401	OLD VALLEY ROAD	KUW	South Knoxville	41	MH 67-3		Blockage - Debris. The sewer main was flushed & area was cleaned.	35	3		N/A	BA	6 Months
8/12/10	4351	FALCONITE WAY	KUW	Third Creek	13	MH 10		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	7500	24		N/A	Repair Completed	N/A
8/16/10	1104	MCCALLA AVENUE	KUW	First Creek	24	MH 11-1		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1000	2		N/A	Repair Completed	N/A
8/16/10	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Blockage - Grease. The sewer main was flushed & area was cleaned.	50	1	✓	Future Construction Planned	BA/Grease Control	6 Months
8/16/10	815	S CENTRAL STREET	KUW	First Creek	30	MH 3-7		Heavy rainfall in the area resulted in high flows in the collection system.	250	0.5		Future Construction Planned	N/A	N/A
8/26/10	800	BENNETT PLACE	FC	Fourth Creek	32B	Broken Gravity Main		Blockage - Debris. The sewer main was flushed & area was cleaned.	7750	24	✓	Construction Completed	Repair Completed	N/A
8/27/10	1700	EVENING SHADE LANE	FC	Fourth Creek	37	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	10	3		N/A	Repair Completed	N/A
8/30/10	5307	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	15	1	✓	N/A	Repair Completed	N/A
9/6/10	8083	KINGSTON PIKE	FC	Fourth Creek	32	MH 9-4		Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	24000	48		N/A	Repair Completed	N/A
9/11/10	1408	ADAIR DRIVE	KUW	First Creek	7	MH 26		Heavy rainfall in the area resulted in high flows in the collection system.	60	1		Construction Completed	N/A	N/A
9/11/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	1000	1	✓	Construction Completed	N/A	N/A
9/12/10	5915	NEUBERT SPRINGS ROAD	KUW	Knob Creek	41	Unnamed MH at Facility		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	294000	3.5	✓	Construction Completed	N/A	N/A
9/26/10	906	BATHURST ROAD	FC	Fourth Creek	32	MH 4-23		Blockage - Roots. The sewer main was flushed & area was cleaned.	5	1		Construction Completed	BA	12 Months
10/25/10	4509	PAPERMILL DRIVE	KUW	Third Creek	28	MH 31		Blockage - Debris. The sewer main was flushed & area was cleaned.	500	0.5		N/A	BA	6 Months
11/1/10	5415	HOLSTON DRIVE	LC	Loves Creek	20	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	170	1.5		N/A	Repair Completed	N/A
11/17/10	5307	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	2.5	✓	N/A	Repair Completed	N/A
11/30/10	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 45, 44, 43, 42, 41, 40 and 39		Heavy rainfall in the area resulted in high flows in the collection system.	12750	8	✓	Construction Underway	BA	6 Months
11/30/10	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	17250	8	✓	Construction Completed	BA	6 Months
11/30/10	2541	FAIR DRIVE	KUW	First Creek	4	MH 20-2		Heavy rainfall in the area resulted in high flows in the collection system.	150	1		Future Construction Planned	N/A	N/A
11/30/10	1908	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	180	3	✓	Construction Completed	N/A	N/A
11/30/10	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	2150	3		Construction Completed	N/A	N/A
12/1/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	2	1	✓	N/A	Repair Completed	N/A
12/1/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	4700	3	✓	Construction Completed	N/A	N/A
12/1/10	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	1500	3		Construction Completed	N/A	N/A
12/1/10	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1840000	11.5		Construction Underway	N/A	N/A
12/3/10	100	LEBANON STREET	KUW	Third Creek	34	Private Manhole		Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	40	2		N/A	Repair Completed	N/A
12/3/10	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	1000	3		Construction Completed	BA	6 Months
12/13/10	5332	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	4		N/A	Repair Completed	N/A
12/26/10	1725	LOVES CREEK ROAD	LC	Loves Creek	6	MH 48-3		Blockage - Debris. The sewer main was flushed & area was cleaned.	180	2		N/A	BA	6 Months
12/31/10	2204	HIGHLAND DRIVE	KUW	First Creek	4	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	450	2		N/A	Repair Completed	N/A
1/1/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	5,630	3	✓	Construction Completed	N/A	N/A
1/1/2011	5011	KINGSTON PIKE	FC	Fourth Creek	34	MH 58		Heavy rainfall in the area resulted in high flows in the collection system.	600	3	✓	Construction Completed	N/A	N/A
1/1/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1 & MLSS Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	380,000	2.82	✓	Construction Underway	N/A	N/A
1/7/2011	2526	E FIFTH AVENUE	KUW	Williams Creek	19	Lateral Cleanouts at 2522, 2524, 2526 & 2528 E. Fifth Avenue		Blockage - Grease. The sewer main was flushed & area was cleaned.	900	2		N/A	BA/Grease Control	12 Months
1/7/2011	5915	NEUBERT SPRINGS ROAD	KUW	Knob Creek	41	Unnamed MH at Facility		Heavy rainfall in the area resulted in high flows in the collection system.	224,000	4.4	✓	Construction Completed	N/A	N/A
1/8/2011	2726	WILSON AVENUE	KUW	Williams Creek	19	MH 8-1		Blockage - Grease. The sewer main was flushed & area was cleaned.	760	1.5		N/A	BA/Grease Control	12 Months
1/12/2011	3922	NERVA ROAD	KUW	Second Creek	10	MH 17-78		Blockage - Grease. The sewer main was flushed & area was cleaned.	300	1		N/A	BA/Grease Control	6 Months
1/20/2011	5405	GREEN VALLEY DRIVE	LC	Loves Creek	26	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	20	0.5	✓	Construction Completed	N/A	N/A
1/24/2011	5926	ANTIGUA LANE	KUW	Third Creek	11	MH 22-11		Broken System - Offset Joint. The sewer main was repaired & the area was cleaned.	500	5		N/A	Repair Completed	N/A
1/24/2011	500	MIMOSA AVENUE	KUW	South Knoxville	40	MH 1-85		Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	10,000	5		N/A	Repair Completed	N/A
1/25/2011	5235	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Broken Gravity Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	10	1		N/A	Repair Completed	N/A
1/26/2011	117	SIXTEENTH STREET	KUW	Second Creek	23	MH 21-33		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	700	1.5		N/A	Repair Completed	N/A
1/27/2011	3914	ROBERTS ROAD	EB	Eastbridge	113	Abandoned Air Release Valve		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	375	2		N/A	Repair Completed	N/A
1/31/2011	4216	VALENCIA ROAD	KUW	Third Creek	38	MH 49-9		Blockage - Roots. The sewer main was flushed & area was cleaned.	65	2		N/A	BA	6 Months
2/6/2011	1908	EDGEWOOD AVENUE	KUW	First Creek	16	Water Meter Well		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	180	1		N/A	Repair Completed	N/A
2/15/2011	3413	KINGSTON PIKE	KUW	Third Creek	29	Temporary Sewer Main		Construction Failure - A failed connection on a temporary system was repaired & the area was cleaned.	25	1		Construction Completed	N/A	N/A
2/15/2011	6140	KIRBURY LANE	FC	Fourth Creek	33	MH 65-19		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	1		N/A	BA	12 Months
2/15/2011	2236	MARTIN LUTHER KING JR DRIVE	KUW	First Creek	24	MH 6-154		Blockage - Grease. The sewer main was flushed & area was cleaned.	30	1		N/A	BA/Grease Control	6 Months
2/16/2011	5720	ASHEVILLE HIGHWAY	LC	Loves Creek	20	MH 11-3		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,300	3		N/A	Repair Completed	N/A
2/16/2011	604	BEN HUR AVENUE	KUW	Williams Creek	25	Abandoned Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	500	1.5		N/A	BA	6 Months
2/16/2011	512	FLENNWOOD WAY	KUW	South Knoxville	39	MH 61		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	3,200	3		N/A	BA/Grease Control	6 Months
2/17/2011	850	TALLY HO DRIVE	KUW	South Knoxville	39	MH 62-21		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	150	1		N/A	BA/Grease Control	9 Months
2/23/2011	1932	OLD AMHERST ROAD	FC	Fourth Creek	27	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	3,000	4	✓	Construction Completed	BA/Grease Control	12 Months
2/23/2011	6505	VINTAGE DRIVE	KUW	Third Creek	11	MH 48-38		Blockage - Debris. The sewer main was flushed & area was cleaned.	150	1		N/A	BA	12 Months
2/24/2011	1204	PICKWICK ROAD	LC	Loves Creek	26	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	30	1		N/A	BA/Grease Control	12 Months
2/25/2011	1124	DELAWARE AVENUE	KUW	Second Creek	15	MH 21-53		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	500	2		N/A	BA/Grease Control	6 Months
2/28/2011	3218	AVONDALE AVENUE	KUW	First Creek	8	MH 22-33, Broken Lateral & BBU at 3218 & 3220 Avondale Avenue	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.	1,500	3		N/A	BA/Grease Control	12 Months
2/28/2011	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	410,000	3	✓	Construction Completed	N/A	N/A
2/28/2011	2500	CEDAR LANE	KUW	First Creek	4	MH 22-13		Heavy rainfall in the area resulted in high flows in the collection system.	500	1		Future Construction Planned	N/A	N/A
2/28/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	5,800,000	4	✓	Construction Completed	N/A	N/A
2/28/2011	113	DRINNEN AVENUE	KUW	South Knoxville	39	MHs 28-26 & 28-27		Heavy rainfall in the area resulted in high flows in the collection system.	600	2		Construction Completed	N/A	N/A
2/28/2011	1127	E MOODY AVENUE	KUW	South Knoxville	40	MH 40-3		Heavy rainfall in the area resulted in high flows in the collection system.	600	2		Construction Completed	N/A	N/A
2/28/2011	4014	HOLSTON HILLS ROAD	LC	Loves Creek	26	MHs 72 & 75		Heavy rainfall in the area resulted in high flows in the collection system.	295,000	3	✓	Future Construction Planned	N/A	N/A
2/28/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	590,000	5.75	✓	Construction Underway	N/A	N/A
2/28/2011	4800	MALONEYVILLE ROAD	EB	Eastbridge	109	Bar Screen		Heavy rainfall in the area resulted in high flows in the collection system.	3,750	1.25		Construction Completed	BA	3 months
2/28/2011	2640	MORGAN CIRCLE	KUW	Third Creek	35B	MH 4-19		Heavy rainfall in the area resulted in high flows in the collection system.	1,500	3		Future Construction Planned	N/A	N/A
2/28/2011	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	360,000	0.5	✓	Future Construction Planned	N/A	N/A
2/28/2011	923	OAKLETT DRIVE	KUW	Second Creek	5	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	9,000	1.5		Construction Completed	N/A	N/A
2/28/2011	2008	RIVERSIDE DRIVE	KUW	Williams Creek	25	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	720,000	4	✓	Future Construction Planned	N/A	N/A
2/28/2011	815	S CENTRAL STREET	KUW	First Creek	30	MH 3-7		Heavy rainfall in the area resulted in high flows in the collection system.	100	8		Future Construction Planned	N/A	N/A
2/28/2011	2102	WASHINGTON AVENUE	KUW	First Creek	24	MH 25-114		Heavy rainfall in the area resulted in high flows in the collection system.	190,000	4		Construction Completed	N/A	N/A
2/28/2011	3814	WOODLAKE DRIVE	KUW	First Creek	1	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	400	4	✓	Construction Completed	N/A	N/A
3/1/2011	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	67,500	3	✓	Construction Completed	N/A	N/A
3/1/2011	1521	FAIRMONT BOULEVARD	KUW	First Creek	16	Temporary Lateral Connection		Heavy rainfall in the area resulted in high flows in the collection system.	30	1		Construction Completed	N/A	N/A
3/1/2011	5205	HAYNES-STERCHI ROAD	KUW	Second Creek	5	MH 35-4		Blockage - Debris. The sewer main was flushed & area was cleaned.	500	1		N/A	BA	3 Months

2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
3/1/2011	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	2	✓	Future Construction Planned	N/A	N/A
3/1/2011	1940	OLD AMHERST ROAD	FC	Fourth Creek	27	MH 22-117		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
3/1/2011	2415	TECOMA DRIVE	KUW	First Creek	8	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	60	3		Future Construction Planned	N/A	N/A
3/1/2011	411	W BAXTER AVENUE	KUW	Second Creek	23	MH 49		Heavy rainfall in the area resulted in high flows in the collection system.	800,000	4		Construction Completed	N/A	N/A
3/1/2011	7927	W CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-12		Blockage - Debris. The sewer main was flushed & area was cleaned.	50	1		N/A	BA	6 Months
3/2/2011	781	BAGWELL ROAD	LC	Loves Creek	63	Pump Station		Heavy rainfall in the area resulted in high flows in the collection system.	576,000	12		N/A	Repair Completed	N/A
3/2/2011	3011	E GOV. JOHN SEVIER HIGHWAY	KUW	Riverdale	65	Pump Station		Heavy rainfall in the area resulted in high flows in the collection system.	21,600	3		Construction Completed	N/A	N/A
3/2/2011	5508	GREEN VALLEY DRIVE	LC	Loves Creek	26	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	2,025	1	✓	Construction Completed	N/A	N/A
3/2/2011	2430	HIGHLAND DRIVE	KUW	First Creek	4	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	120	2		Future Construction Planned	N/A	N/A
3/2/2011	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	100	2		Construction Completed	N/A	N/A
3/3/2011	4105	CENTRAL AVENUE PIKE	KUW	Second Creek	10	MH 17-8		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
3/3/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
3/4/2011	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Future Construction Planned	N/A	N/A
3/6/2011	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	1,500	3	✓	Construction Completed	N/A	N/A
3/7/2011	4420	ALTA VISTA WAY	KUW	Third Creek	38	Broken Gravity Main		Blockage - Debris. The sewer main was flushed & area was cleaned.	13,000	2		N/A	BA	12 Months
3/7/2011	6540	CREEKHEAD DRIVE	FC	Fourth Creek	32A	MH 49-4		Blockage - Debris. The sewer main was flushed & area was cleaned.	12,200	1	✓	N/A	BA	12 Months
3/7/2011	243	GILBERT LANE	KUW	South Knoxville	40	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	5,000	2		N/A	BA/Grease Control	6 Months
3/9/2011	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	98,000	8	✓	Construction Completed	N/A	N/A
3/9/2011	5405	GREEN VALLEY DRIVE	LC	Loves Creek	26	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	150	1	✓	Construction Completed	N/A	N/A
3/9/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	160,000	2.38	✓	Construction Underway	N/A	N/A
3/10/2011	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	468,000	39	✓	Future Construction Planned	N/A	N/A
3/10/2011	2377	NEYLAND DRIVE	KUW	Third Creek	35B	MH 3		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
3/12/2011	1218	GLADE HILL DRIVE	LC	Loves Creek	32A	MHs 30-50 & 30-52		Blockage - Grease. The sewer main was flushed & area was cleaned.	670	2.5		N/A	BA/Grease Control	12 Months
3/12/2011	1712	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
3/13/2011	1716	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
3/17/2011	6410	S NORTHSHORE DRIVE	KUW	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
3/19/2011	123	INGERSOLL AVENUE	KUW	South Knoxville	39	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	12	1		N/A	BA	6 Months
3/22/2011	4713	OLD BROADWAY	KUW	First Creek	7	MHs 2 & 63		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
3/24/2011	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-63		Heavy rainfall in the area resulted in high flows in the collection system.	300	1	✓	Construction Completed	N/A	N/A
3/29/2011	702	REDWINE STREET	KUW	South Knoxville	39	MH 5		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	100	0.25		N/A	Repair Completed	N/A
4/4/2011	2641	MARYVILLE PIKE	KUW	Knob Creek	45	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
4/5/2011	4228	CROSSBY DRIVE	KUW	Third Creek	28	MH 27-3		Blockage - Roots. The sewer main was flushed & area was cleaned.	75	1		N/A	BA	6 Months
4/6/2011	8105	W CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-18		Blockage - Roots. The sewer main was flushed & area was cleaned.	400	2.5		N/A	BA	6 Months
4/7/2011	3526	BUFFAT MILL ROAD	KUW	First Creek	18	MH 65-19 and BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	300	4		N/A	BA	12 Months
4/14/2011	4418	KINGSTON PIKE	KUW	Third Creek	34	Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	10	2		N/A	Repair Completed	N/A
4/16/2011	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 43 & 44		Heavy rainfall in the area resulted in high flows in the collection system.	2,250	4	✓	Construction Underway	N/A	N/A
4/16/2011	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	5	✓	Construction Completed	N/A	N/A
4/16/2011	4100	CENTRAL AVENUE PIKE	KUW	Second Creek	10	MH 17-9		Heavy rainfall in the area resulted in high flows in the collection system.	800	4	✓	Construction Completed	N/A	N/A
4/16/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	1,350	1	✓	Construction Completed	N/A	N/A
4/16/2011	3741	EAKERS STREET	KUW	South Knoxville	40	MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	1,900	1	✓	Construction Completed	N/A	N/A
4/16/2011	2544	FAIR DRIVE	KUW	First Creek	4	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	100	1		Future Construction Planned	N/A	N/A
4/16/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	350,000	2.82	✓	Construction Underway	N/A	N/A
4/16/2011	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	264,000	22	✓	Future Construction Planned	N/A	N/A
4/16/2011	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	20,000	0.18	✓	Future Construction Planned	N/A	N/A
4/16/2011	4713	OLD BROADWAY	KUW	First Creek	7	MHs 2 & 63		Heavy rainfall in the area resulted in high flows in the collection system.	24,500	3	✓	Future Construction Planned	N/A	N/A
4/16/2011	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	1	✓	Future Construction Planned	N/A	N/A
4/16/2011	4421	ROYALVIEW ROAD	KUW	Third Creek	11	MH 11-157		Heavy rainfall in the area resulted in high flows in the collection system.	750	1		Construction Completed	N/A	N/A
4/16/2011	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	19,000	5	✓	Construction Completed	N/A	N/A
4/17/2011	3814	WOODLAKE DRIVE	KUW	First Creek	1	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	20	1	✓	Construction Completed	N/A	N/A
4/18/2011	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Future Construction Planned	N/A	N/A
4/18/2011	5546	WILKERSON ROAD	KUW	Third Creek	9	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	N/A	Repair Completed	N/A
4/21/2011	4505	MIDDLEBROOK PIKE	KUW	Third Creek	21	MHs 16-48 & 2 Unnamed Manholes		Heavy rainfall in the area resulted in high flows in the collection system.	72,000	6		Future Construction Planned	N/A	N/A
4/24/2011	3901	BONNIE VIEW AVENUE	LC	Loves Creek	20	MH 74-8		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	50	2		N/A	BA/Grease Control	6 Months
4/28/2011	3741	EAKERS STREET	KUW	South Knoxville	40	MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
4/28/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	680,000	5.82	✓	Construction Underway	N/A	N/A
4/28/2011	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	36,000	3	✓	Future Construction Planned	N/A	N/A
4/28/2011	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	8,700	1	✓	Construction Completed	N/A	N/A
4/28/2011	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	5	1	✓	Future Construction Planned	N/A	N/A
4/28/2011	237	W SCOTT AVENUE	KUW	Second Creek	15	MH 9		Heavy rainfall in the area resulted in high flows in the collection system.	1,000	1		Construction Completed	N/A	N/A
4/28/2011	5546	WILKERSON ROAD	KUW	Third Creek	9	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	N/A	Repair Completed	N/A
4/29/2011	1704	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.25		N/A	Repair Completed	N/A
4/29/2011	6928	WESTLAND DRIVE	FC	Fourth Creek	36	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	57,000	2		N/A	Repair Completed	N/A
5/2/2011	3604	HILLVALE CIRCLE	KUW	Third Creek	38	MH 1-115		Heavy rainfall in the area resulted in high flows in the collection system.	100	6		Construction Completed	N/A	N/A
5/9/2011	2639	LOUISE AVENUE	KUW	Williams Creek	19	MH 5-1		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	540,000	24		N/A	BA/Grease Control	12 Months
5/9/2011	1728	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
5/10/2011	2524	JACOB DRIVE	KUW	Third Creek	35B	MH 4-9		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	2,000	2		N/A	Repair Completed	N/A
5/11/2011	5356	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
5/15/2011	5715	ELDRIDGE ROAD	KUW	First Creek	3	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	125	2		N/A	BA	12 Months
5/25/2011	1917	CHEROKEE BOULEVARD	KUW	Third Creek	38	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
6/2/2011	1216	GLENOAKS DRIVE	KUW	First Creek	7	Lateral Cleanout		Blockage - Roots, Grease, and Debris. The sewer main was flushed & area was cleaned.	30	1		N/A	BA/Grease Control	12 Months
6/6/2011	2305	CLINCH AVENUE	KUW	Third Creek	35B	MH 39		Blockage - Debris. The sewer main was flushed & area was cleaned.	750	1		N/A	BA	12 Months
6/6/2011	114	TILLERY DRIVE	KUW	Second Creek	10	MH 16-1		Broken System - Sag. The sewer main was repaired & the area was cleaned.	15,000	5		Construction Completed	N/A	N/A
6/7/2011	814	W FOURTH AVENUE	KUW	Second Creek	23	MH 19-189		Blockage - Debris. The sewer main was flushed & area was cleaned.	5,550	1.5		N/A	BA	12 Months
6/11/2011	4304	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	✓	N/A	Repair Completed	N/A
6/14/2011	2010	E FIFTH AVENUE	KUW	First Creek	24	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	7,800	2.5		N/A	Repair Completed	N/A
6/17/2011	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	200	0.16		Construction Completed	N/A	N/A
6/24/2011	3621	BORIGHT DRIVE	KUW	First Creek	8	MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	400	3	✓	Construction Underway	N/A	N/A
6/24/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
6/24/2011	1722	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.08		N/A	Repair Completed	N/A
6/24/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	60	1	✓	Construction Completed	N/A	N/A
6/25/2011	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Future Construction Planned	N/A	N/A
6/29/2011	4014	HOLSTON HILLS ROAD	LC	Loves Creek	26	MH 72		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Future Construction Planned	N/A	N/A
6/29/2011	5014	JACKSBORO PIKE	KUW	First Creek	4	MH 13-101		Heavy rainfall in the area resulted in high flows in the collection system.	200	1		Future Construction Planned	N/A	N/A
7/2/2011	5936	MONTINA ROAD	KUW	Third Creek	9	MHs 17-212 & 17-210		Blockage - Debris. The sewer main was flushed & area was cleaned.	3,300	4		N/A	BA	12 Months
7/7/2011	800	GRAVES STREET	KUW	Williams Creek	25	MH 31		Blockage - Grease. The sewer main was flushed & area was cleaned.	500	1		N/A	BA/Grease Control	3 Months
7/7/2011	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Heavy rainfall in the area resulted in high flows in the collection system.	1,000	1	✓	Future Construction Planned	N/A	N/A
7/11/2011	1313	ADAIR DRIVE	KUW	First Creek	7	MH 28-1		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Completed	N/A	N/A
7/13/2011	719	E LAKE FOREST DRIVE	KUW	Knob Creek	41	Lateral Cleanout and BBU	BBU	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	225	0.083		N/A	Repair Completed	N/A
7/20/2011	1912	CUMBERLAND AVENUE	KUW	Third Creek	35B	Lateral Cleanout		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	150	4		N/A	Repair Completed	N/A
7/23/2011	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
8/3/2011	5910	MEADOW OAKS LANE	KUW	Knob Creek	41	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	1,000	1		N/A	Repair Completed	N/A
8/4/2011	701	WORLDS FAIR PARK DRIVE	KUW	Second Creek	23	MH 19-9		Blockage - Debris. The sewer main was flushed & area was cleaned.	300	2		Construction Completed	N/A	N/A
8/11/2011	516	N BEAMAN STREET	LC	Loves Creek	20	MH 61-8		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.25	✓	Construction Completed	BA	6 Months
8/15/2011	110													



2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
8/22/2011	1134	FERD HICKEY ROAD	FC	Fourth Creek	32A	MH 30-39		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,000	2		N/A	BA	12 Months
8/24/2011	5247	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
9/1/2011	6235	RUTLEDGE PIKE	LC	Loves Creek	105	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	1		N/A	Repair Completed	N/A
9/5/2011	1308	ADAIR DRIVE	KUW	First Creek	7	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	500	5		Construction Completed	N/A	N/A
9/5/2011	1903	JEFFERSON AVENUE	KUW	First Creek	24	MH 25-18 & Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	2,700	5	✓	Construction Completed	N/A	N/A
9/5/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,240,000	17.35	✓	Construction Underway	N/A	N/A
9/6/2011	5011	KINGSTON PIKE	KUW	Third Creek	34	MH 58		Blockage - Debris. The sewer main was flushed & area was cleaned.	2,000	5	✓	Construction Completed	BA	6 Months
9/6/2011	6410	S NORTSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	13,000	1	✓	Construction Completed	N/A	N/A
9/7/2011	2111	MOHAWK AVENUE	KUW	Williams Creek	25	MH 4-2		Blockage - Grease. The sewer main was flushed & area was cleaned.	5,400	12	✓	N/A	BA/Grease Control	12 Months
9/9/2011	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	8	2	✓	N/A	Repair Completed	N/A
9/9/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
10/1/2011	206	HILLVIEW AVENUE	LC	Loves Creek	6	MH 29-145 & Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	500	1		N/A	BA	12 Months
10/1/2011	4304	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	0.5	✓	N/A	Repair Completed	N/A
10/3/2011	1915	LYONS BEND ROAD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	0.5		N/A	Repair Completed	N/A
10/17/2011	4304	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	0.25	✓	N/A	Repair Completed	N/A
10/21/2011	5401	MONTCREST ROAD	KUW	First Creek	4	MH 35-25		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	1		N/A	Repair Completed	N/A
11/2/2011	409	N WINSTON ROAD	FC	Fourth Creek	32B	MH17-1		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	2		N/A	Repair Completed	N/A
11/5/2011	846	HANSMORE PLACE	FC	Fourth Creek	36	MH 3-325		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	3		N/A	BA	12 Months
11/6/2011	1708	PINETREE LANE	FC	Fourth Creek	32A	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	62,000	72 Intermittently		N/A	BA/Grease Control	12 Months
11/12/2011	1017	ANDES ROAD	LC	Loves Creek	26	MH 72-152		Blockage - Grease. The sewer main was flushed & area was cleaned.	250	2		N/A	BA/Grease Control	12 Months
11/16/2011	1908	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
11/16/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Construction Completed	N/A	N/A
11/17/2011	1919	TENNESSEE AVENUE	KUW	Third Creek	22	2 Lateral Cleanouts		Blockage - Debris. The sewer main was flushed & area was cleaned.	900	2		N/A	BA	12 Months
11/22/2011	2885	TAZEWELL PIKE	KUW	First Creek	8	Unnamed MH		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	1,500	2		N/A	Repair Completed	N/A
11/23/2011	5405	LANCE DRIVE	KUW	Third Creek	21	MH 10-85		Blockage - Roots. The sewer main was flushed & area was cleaned.	300	3		N/A	BA	6 Months
11/23/2011	5525	LONAS DRVIE	FC	Fourth Creek	27	MH 9-21		Blockage - Grease. The sewer main was flushed & area was cleaned.	40	1		N/A	BA/Grease Control	6 Months
11/26/2011	2520	WOODLAND RESERVE LANE	FC	Fourth Creek	43	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	200	2		N/A	Repair Completed	N/A
11/28/2011	2110	ATCHLEY STREET	KUW	South Knoxville	40	MH 1-80		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	100	2		N/A	Repair Completed	N/A
11/28/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	398,650	6.42	✓	Construction Underway	N/A	N/A
11/28/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	150	2	✓	Construction Completed	N/A	N/A
12/4/2011	520	CHEROKEE BOULEVARD	KUW	Third Creek	38	Broken Gravity Main		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	3,500	1		N/A	BA	12 Months
12/4/2011	3319	FOUNTAIN PARK BOULEVARD	KUW	First Creek	18	MH 72		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	325	4.5		N/A	BA/Grease Control	12 Months
12/10/2011	621	MILLIGAN STREET	KUW	Williams Creek	19	Grinder Pump		Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	10	1		N/A	Repair Completed	N/A
12/10/2011	5209	MURPHY ROAD	KUW	First Creek	2	Grinder Pump & BBU	BBU	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	30	2		N/A	Repair Completed	N/A
12/13/2011	1300	ALCOA HIGHWAY	KUW	Third Creek	35B	MH 18-3		Blockage - Debris. The sewer main was flushed & area was cleaned.	650	1		N/A	BA	12 Months
12/24/2011	5347	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
12/29/2011	300	E COLUMBIA AVENUE	KUW	Second Creek	15	Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	25	1		Construction Completed	N/A	N/A
12/31/2011	3602	E KESTERWOOD DRIVE	KUW	First Creek	4	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	375	2		Construction Completed	N/A	N/A
1/1/2012	5355	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	15	2		N/A	Repair Completed	N/A
1/3/2012	4534	OLD KINGSTON PIKE	KUW	Third Creek	34	Bypass System		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	50	0.1	✓	Construction Completed	Repair Completed	N/A
1/15/2012	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Force Main Valve		Broken System - Force Main Valve Leak. The valve was repaired & the area was cleaned.	1,800	2.5		N/A	Repair Completed	N/A
1/23/2012	1908	JEFFERSON AVENUE	KUW	First Creek	24	Jefferson Ave		Heavy rainfall in the area resulted in high flows in the collection system.	150	0.5	✓	Construction Completed	N/A	N/A
1/23/2012	2848	LONDON CIRCLE	KUW	First Creek	18	MH 40		Heavy rainfall in the area resulted in high flows in the collection system.	750	4		N/A	Repair Completed	N/A
1/23/2012	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	40,000	0.08	✓	Construction Underway	N/A	N/A
1/23/2012	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	1,000	2	✓	Construction Completed	N/A	N/A
1/23/2012	3148	WILDERNESS ROAD	KUW	First Creek	18	MH 51 & 52		Heavy rainfall in the area resulted in high flows in the collection system.	3,000	4		N/A	Repair Completed	N/A
1/24/2012	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
1/25/2012	310	KENSI DRIVE	KUW	Second Creek	10	Lateral Cleanout & BBU at 312 Kensi Drive	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	325	2		N/A	BA	6 Months
1/29/2012	612	VIEW PARK DRIVE	KUW	Knob Creek	41	MH 97-44		Blockage - Roots. The sewer main was flushed & area was cleaned.	25	3		N/A	BA	6 Months
1/31/2012	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Dewatering Containment		Construction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned.	25	0.25		N/A	Repair Completed	N/A
2/2/2012	7218	WASHINGTON PIKE	EB	Eastbridge	109	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	1.5		N/A	Repair Completed	N/A
2/7/2012	4505	MIDDLEBROOK PIKE	KUW	Third Creek	21	Dewatering Containment		Construction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned.	150	0.1		N/A	Repair Completed	N/A
2/8/2012	736	GREENMEADOWS DRIVE	KUW	Knob Creek	41	MH 24-1		Blockage - Grease. The sewer main was flushed & area was cleaned.	250	8		N/A	BA/Grease Control	12 Months
2/8/2012	5760	SANDIS LANE	LC	Loves Creek	20	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	7,000	9		N/A	Repair Completed	N/A
2/9/2012	1613	WANDERING ROAD	KUW	Third Creek	13	MH 52-3		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	3		N/A	BA/Grease Control	12 Months
2/15/2012	1421	N BROADWAY	KUW	First Creek	18	MH 3-25		Blockage - Grease. The sewer main was flushed & area was cleaned.	265	1.5		N/A	BA/Grease Control	6 Months
2/23/2012	2715	MARYVILLE PIKE	KUW	Knob Creek	45	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	60	1		N/A	Repair Completed	N/A
2/28/2012	5356	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1.5	✓	N/A	Repair Completed	N/A
3/1/2012	1125	MONTVIEW ROAD	LC	Loves Creek	26	MH 65-131		Blockage - Roots. The sewer main was flushed & area was cleaned.	60	1		N/A	BA	12 Months
3/7/2012	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	97,300	0.45	✓	N/A	Repair Completed	N/A
3/7/2012	312	NINETEENTH AVENUE	KUW	Third Creek	29	Floor Drain and BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	35	0.75		N/A	BA	9 Months
3/7/2012	620	W HILL AVENUE	KUW	First Creek	30	Unnamed MH		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	800	8		N/A	Repair Completed	N/A
3/9/2012	8537	ASHEVILLE HIGHWAY	EB	Eastbridge	72	MH 21-16		Blockage - Debris. The sewer main was flushed & area was cleaned.	400	2		N/A	BA	12 Months
3/10/2012	4901	BALL CAMP PIKE	KUW	Third Creek	12	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,500	4.5		N/A	BA	9 Months
3/12/2012	1711	TRANSFORT WAY	LC	Loves Creek	105	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	0.25		N/A	Repair Completed	N/A
3/13/2012	929	KEOWEE AVENUE	KUW	Third Creek	38	Broken Gravity Main		Construction Failure by Customer - Dig-In. A section sewer main was repaired & the area was cleaned.	900	24		N/A	Repair Completed	N/A
3/30/2012	5363	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.75		N/A	Repair Completed	N/A
3/31/2012	5218	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.5		N/A	Repair Completed	N/A
4/2/2012	1909	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	40	1	✓	Construction Completed	N/A	N/A
4/5/2012	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	200	2	✓	Construction Completed	N/A	N/A
4/7/2012	1925	AILOR AVENUE	KUW	Third Creek	29	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	200	1		N/A	BA	12 Months
4/7/2012	2304	WOODS CREEK ROAD	LC	Loves Creek	105	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
4/9/2012	5603	SUMMER GROVE LANE	FC	Fourth Creek	49	MH 19-63		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A	BA	12 Months
4/28/2012	1816	STERCHI STREET	KUW	Third Creek	22	MH 11-44		Blockage - Debris. The sewer main was flushed & area was cleaned.	30	1		N/A	BA	6 Months
4/28/2012	6532	WESTSIDE DRIVE	FC	Fourth Creek	32A	MH 49-5		Vandalism. Blockage was removed & the area was cleaned.	66,000	5	✓	N/A	Repair Completed	N/A
5/3/2012	2010	CUMBERLAND AVENUE	KUW	Third Creek	35B	Unconnected Lateral		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	50	1.5		N/A	Repair Completed	N/A
5/10/2012	3560	TALAH DRIVE	KUW	Third Creek	38	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	400	3		N/A	BA	9 Months
5/12/2012	403	W OLDHAM AVENUE	KUW	Second Creek	15	Unnamed Manhole		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	47,000	4		N/A	Repair Completed	N/A
5/14/2012	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	50	1		Construction Completed	N/A	N/A
5/14/2012	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
5/15/2012	2015	NEYLAND DRIVE	KUW	Third Creek	35B	#2 Digester		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	100	0.33	✓	N/A	Repair Completed	N/A
5/25/2012	4601	SEMINOLE ROAD	KUW	First Creek	7	Broken Gravity Main		Blockage - Debris. The sewer main was flushed & area was cleaned.	3,800	2	✓	Construction Completed	N/A	N/A
6/4/2012	5412	MAYWOOD ROAD	KUW	Third Creek	12	MHs 20-16 & 20-20		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	70	1		N/A	BA/Grease Control	6 Months
7/1/2012	5745	GOLDENROD CIRCLE	KUW	Third Creek	11	MH 11-20		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A	BA	12 Months
7/3/2012	4800	MALONEYVILLE ROAD	EB	Eastbridge	109	Wetwell		Blockage - Debris. The sewer main was flushed & area was cleaned.	1,800	1	✓	Construction Completed	N/A	N/A
7/8/2012	2111	MOHAWK AVENUE	KUW	Williams Creek	25	MH 4-2		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,100	5	✓	N/A	Repair Completed	N/A
7/9/2012	781	BAGWELL ROAD	LC	Loves Creek	63	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	125	2		N/A	Repair Completed	N/A
7/9/2012	4800	MALONEYVILLE ROAD	EB	Eastbridge	109	Wetwell		Blockage - Debris. The sewer main was flushed & area was cleaned.	50	1	✓	Construction Completed	N/A	N/A
7/13/2012	914	PINEY GROVE CHURCH ROAD	FC	Fourth Creek	27	MH 49-110		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,800	3		N/A	BA	12 Months
7/16/2012	2800	SELMA AVENUE	KUW	Williams Creek	19	MH 2-65		Blockage - Debris. The sewer main was flushed & area was cleaned.	355	1		N/A	BA	12 Months
7/18/2012	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	400	1	✓	Construction Completed	N/A	N/A
7/20/2012	1620	EDGEWOOD AVENUE	KUW	First Creek	16	Lateral Cleanout		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	1,000	1		N/A	Repair Completed	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
7/20/2012	516	N BEAMAN STREET	LC	Loves Creek	20	MH 61-8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
7/22/2012	3616	KEITH AVENUE	KUW	Third Creek	39	MH 15-145		Blockage - Debris. The sewer main was flushed & area was cleaned.	50	1		N/A	BA	6 Months
8/17/2012	524	BEN HUR AVENUE	KUW	Williams Creek	25	Broken Lateral & BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	60	2		N/A	BA	6 Months
8/17/2012	8035	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
9/10/2012	423	BUSBEE ROAD	KUW	South Knoxville	40	MH 47-94		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	25	2		N/A	Repair Completed	N/A
9/14/2012	4300	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	2		N/A	Repair Completed	N/A
9/17/2012	4600	CHAPMAN HIGHWAY	KUW	South Knoxville	39	MHs 81 & 82		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	4,900	6		N/A	Repair Completed	N/A
9/18/2012	1309	ADAIR DRIVE	KUW	First Creek	7	MH 28		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	2		Construction Completed	N/A	N/A
9/18/2012	517	BERNARD AVENUE	KUW	Second Creek	23	MHs 98 & 101		Heavy rainfall in the area resulted in high flows in the collection system.	120,000	0.5		N/A	Repair Completed	N/A
9/18/2012	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	97,500	2.5		Construction Completed	N/A	N/A
9/18/2012	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	3	✓	Construction Completed	N/A	N/A
9/18/2012	1903	JEFFERSON AVENUE	KUW	First Creek	24	MH 25-18		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
9/18/2012	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1,823,600	8.5	✓	N/A	Repair Completed	N/A
9/18/2012	5915	NEUBERT SPRINGS ROAD	KUW	Knob Creek	41	MH 18-1		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	90,000	3		N/A	Repair Completed	N/A
9/18/2012	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	100,000	0.25	✓	Future Construction Planned	N/A	N/A
9/18/2012	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Heavy rainfall in the area resulted in high flows in the collection system.	200,000	6	✓	Future Construction Planned	N/A	N/A
9/18/2012	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	40,000	2	✓	Construction Completed	N/A	N/A
9/18/2012	5760	SANDIS LANE	LC	Loves Creek	20	MH 1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1,000,800	2		N/A	Repair Completed	N/A
9/19/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	103	1	✓	N/A	Repair Completed	N/A
9/24/2012	2441	LINDEN AVENUE	KUW	Williams Creek	19	MH 5-240		Blockage - Grease. The sewer main was flushed & area was cleaned.	250	1		N/A	BA/Grease Control	12 Months
9/25/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.33	✓	N/A	Repair Completed	N/A
9/28/2012	4205	DRIFTING DRIVE	KUW	Third Creek	13	MH 31-19		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	2		N/A	BA/Grease Control	12 Months
10/1/2012	3902	OAKLAND DRIVE	KUW	First Creek	2	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,100	1		N/A	BA	6 Months
10/5/2012	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	100	1		N/A	Repair Completed	N/A
10/8/2012	5032	LYONS VIEW PIKE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	4	1.5	✓	N/A	Repair Completed	N/A
10/12/2012	521	TALIWA DRIVE	KUW	South Knoxville	40	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	3		N/A	Repair Completed	N/A
10/15/2012	108	CARON DRIVE	KUW	Second Creek	5	MH 16-57		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,150	2		N/A	BA	6 Months
10/16/2012	1219	HILTON ROAD	KUW	Third Creek	21	MH 10-64		Blockage - Roots. The sewer main was flushed & area was cleaned.	400	1		N/A	BA	9 Months
10/16/2012	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	35	1	✓	Construction Completed	N/A	N/A
10/20/2012	313	FORESTAL DRIVE	KUW	First Creek	8	MH 7-72		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1.5		N/A	BA	12 Months
10/22/2012	5253	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	2	1		N/A	Repair Completed	N/A
10/24/2012	5408	GREEN VALLEY DRIVE	LC	Loves Creek	26	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	50	0.25		N/A	Repair Completed	N/A
10/28/2012	4500	E END ROAD	KUW	South Knoxville	39	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	20	1		N/A	BA	12 Months
11/5/2012	4923	BALL ROAD	FC	Fourth Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	28,500	8	✓	N/A	Repair Completed	N/A
11/5/2012	8455	STRAWBERRY PLAINS PIKE	EB	Eastbridge	72	Broken Force Main		Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	460	4		N/A	Repair Completed	N/A
11/8/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	4	1	✓	N/A	Repair Completed	N/A
11/15/2012	4517	N WAHLI DRIVE	KUW	First Creek	7	MH 39		Blockage - Roots. The sewer main was flushed & area was cleaned.	725	2	✓	Construction Completed	BA	12 Months
11/18/2012	4315	CLINTON HIGHWAY	KUW	Second Creek	10	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,050	1		N/A	BA	12 Months
11/24/2012	7920	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.5	✓	N/A	Repair Completed	N/A
11/26/2012	5016	WILFORD ROAD	KUW	Second Creek	5	MH 2		Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	750	1		N/A	Repair Completed	N/A
11/30/2012	5032	LYONS VIEW PIKE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1.5	✓	N/A	Repair Completed	N/A
12/9/2012	1814	E GLENWOOD AVENUE	KUW	First Creek	24	MH 25-49		Blockage - Grease. The sewer main was flushed & area was cleaned.	410	3		Construction Completed	BA/Grease Control	6 Months
12/12/2012	5704	WAYNEWOOD ROAD	KUW	Second Creek	5	MH 16-22		Blockage - Roots. The sewer main was flushed & area was cleaned.	360	2		N/A	BA	9 Months
12/20/2012	3006	CORAM STREET	KUW	Second Creek	14	MH 10-27 & Lateral Cleanout at 222 Radford Place & BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,550	2		N/A	BA	6 Months
1/7/2013	1000	BAKER AVENUE	KUW	South Knoxville	40	MH 40-7		Blockage - Roots. The sewer main was flushed & area was cleaned.	450	1		N/A	BA	6 Months
1/11/2013	1705	COTTAGEWOOD WAY	FC	Fourth Creek	37	Lateral		Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	15	6		N/A	Repair Completed	N/A
1/13/2013	7939	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1	✓	N/A	Repair Completed	N/A
1/14/2013	5829	BALL CAMP PIKE	KUW	Third Creek	11	MH 11-48		Blockage - Grease. The sewer main was flushed & area was cleaned.	10,600	4		N/A	BA/Grease Control	12 Months
1/14/2013	3704	CHAPMAN HIGHWAY	KUW	South Knoxville	39	MHs 28-53 & 28-54		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	510	1		N/A	Repair Completed	N/A
1/15/2013	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 42, 43, & 44		Heavy rainfall in the area resulted in high flows in the collection system.	70,650	28	✓	Construction Underway	N/A	N/A
1/15/2013	2328	CEDAR LANE	KUW	First Creek	4	MH 22-30 & BBU	BBU	Heavy rainfall in the area resulted in high flows in the collection system.	11,655	2	✓	Future Construction Planned	N/A	N/A
1/15/2013	1903	JEFFERSON AVENUE	KUW	First Creek	24	MH 25-18		Heavy rainfall in the area resulted in high flows in the collection system.	75	1	✓	Construction Completed	N/A	N/A
1/15/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	4,285,300	36.26	✓	Construction Underway	N/A	N/A
1/15/2013	2541	MITCHELL STREET	KUW	First Creek	18	MH 30-182		Heavy rainfall in the area resulted in high flows in the collection system.	317,000	120	✓	Future Construction Planned	N/A	N/A
1/15/2013	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	11,324,000	116	✓	Future Construction Planned	N/A	N/A
1/15/2013	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	18,440,000	19.83	✓	Future Construction Planned	N/A	N/A
1/15/2013	4719	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	16,320,000	91	✓	Future Construction Planned	N/A	N/A
1/15/2013	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Heavy rainfall in the area resulted in high flows in the collection system.	628,000	28	✓	Future Construction Planned	N/A	N/A
1/16/2013	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder pump and BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	✓	N/A	Repair Completed	N/A
1/16/2013	2412	BERNHURST DRIVE	KUW	First Creek	4	MH 18-54		Heavy rainfall in the area resulted in high flows in the collection system.	1,425	2		Future Construction Planned	N/A	N/A
1/16/2013	201	HERMITAGE DRIVE	KUW	Knob Creek	41	MH 66-69		Heavy rainfall in the area resulted in high flows in the collection system.	1,225	19		Future Construction Planned	N/A	N/A
1/16/2013	4505	MIDDLEBROOK PIKE	KUW	Third Creek	21	MHs 1 & 27-54		Heavy rainfall in the area resulted in high flows in the collection system.	10,000	12	✓	Future Construction Planned	N/A	N/A
1/16/2013	6016	NEUBERT SPRINGS ROAD	EB	Knob Creek	41	MH 19		Heavy rainfall in the area resulted in high flows in the collection system.	10,000	53		Construction Completed	N/A	N/A
1/16/2013	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	5,800	4	✓	Construction Completed	N/A	N/A
1/17/2013	2541	FAIR DRIVE	KUW	First Creek	4	MH 20-2		Heavy rainfall in the area resulted in high flows in the collection system.	13,900	48	✓	Future Construction Planned	N/A	N/A
1/17/2013	6532	WESTSIDE DRIVE	FC	Fourth Creek	32A	MH 49-5		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Future Construction Planned	N/A	N/A
1/18/2013	3439	E MAGNOLIA AVENUE	LC	Loves Creek	20	MH 61		Heavy rainfall in the area resulted in high flows in the collection system.	25	1		Future Construction Planned	N/A	N/A
1/23/2013	7920	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1	✓	N/A	Repair Completed	N/A
1/28/2013	2377	NEYLAND DRIVE	KUW	Third Creek	35B	MH 4-54		Heavy rainfall in the area resulted in high flows in the collection system.	300	1		Future Construction Planned	N/A	N/A
1/29/2013	900	E HILL AVENUE	KUW	Williams Creek	31	MH 6-62		Blockage - Grease. The sewer main was flushed & area was cleaned.	180	1		N/A	BA/Grease Control	12 Months
1/30/2013	3412	BORIGHT DRIVE	KUW	First Creek	8	MHs 43, 46-16, & Lateral Cleanout @ 3618 Boright Drive		Heavy rainfall in the area resulted in high flows in the collection system.	21,300	16	✓	Construction Underway	N/A	N/A
1/30/2013	2500	CEDAR LANE	KUW	First Creek	4	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	280	1	✓	Future Construction Planned	N/A	N/A
1/30/2013	2538	FAIR DRIVE	KUW	First Creek	4	MH 20-1		Heavy rainfall in the area resulted in high flows in the collection system.	450	3	✓	Future Construction Planned	N/A	N/A
1/30/2013	1903	JEFFERSON AVENUE	KUW	First Creek	24	MH 25-18		Heavy rainfall in the area resulted in high flows in the collection system.	875	4	✓	Construction Completed	N/A	N/A
1/30/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	905,700	9.17	✓	Construction Underway	N/A	N/A
1/30/2013	3305	MCKAMEY ROAD	KUW	Third Creek	11	MH 13		Heavy rainfall in the area resulted in high flows in the collection system.	6,400	9		Future Construction Planned	N/A	N/A
1/30/2013	2541	MITCHELL STREET	KUW	First Creek	18	MH 30-182		Heavy rainfall in the area resulted in high flows in the collection system.	19,600	24	✓	Future Construction Planned	N/A	N/A
1/30/2013	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Heavy rainfall in the area resulted in high flows in the collection system.	13,100	14	✓	Future Construction Planned	N/A	N/A
1/31/2013	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	570,700	9	✓	Future Construction Planned	N/A	N/A
2/4/2013	4100	CENTRAL AVENUE PIKE	KUW	Second Creek	10	MH 17-9		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
2/4/2013	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	500	1	✓	Construction Completed	N/A	N/A
2/8/2013	5029	FIELDCREST LANE	KUW	First Creek	4	MH 13-118		Blockage - Debris. The sewer main was flushed & area was cleaned.	510	1		N/A	BA	6 Months
2/10/2013	4811	BEVERLY ROAD	KUW	First Creek	2	MH 39-44		Heavy rainfall in the area resulted in high flows in the collection system.	10	1		Future Construction Planned	N/A	N/A
2/10/2013	1521	SAYLORS FORD ROAD	EB	Eastbridge	115	Eastbridge Wastewater Treatment Plant		WWTP - Mechanical Failure. Plant was reinstated.	435	0.75		N/A	Repair Completed	N/A
3/5/2013	4128	OAKLAND DRIVE	KUW	First Creek	2	MH 39-6		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
3/5/2013	1323	TENNESSEE AVENUE	KUW	Second Creek	15	MH 21-191 & Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	750	1		N/A	BA	12 Months
3/7/2013	217	STRATFORD ROAD	KUW	Knob Creek	41	MH 66-14		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,500	1		N/A	Repair Completed	N/A
3/11/2013	4728	BALL CAMP PIKE	KUW	Third Creek	12	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	1,100	2		N/A	BA/Grease Control	6 Months
3/11/2013	4917	BALL ROAD	FC	Fourth Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	3,400	3		N/A	Repair Completed	N/A

2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
3/11/2013	2840	ESSARY DRIVE	KUW	First Creek	3	MH 2-14		Blockage - Grease. The sewer main was flushed & area was cleaned.	180	1		N/A	BA/Grease Control	6 months
3/15/2013	4823	BALL ROAD	FC	Fourth Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	2,700	2	✓	N/A	Repair Completed	N/A
3/20/2013	4525	N WAHLI DRIVE	KUW	First Creek	7	Lateral Cleanout		Construction Failure - Pressure Testing Process Failure. The area was cleaned.	30	1	✓	Construction Completed	N/A	N/A
3/27/2013	2418	SELMA AVENUE	KUW	Williams Creek	25	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	800	1		N/A	BA/Grease Control	6 months
3/28/2013	1224	PARK HILL CIRCLE	FC	Fourth Creek	32A	MH 30-52		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,000	1		N/A	BA	12 Months
4/8/2013	2724	WESTERN AVENUE	KUW	Third Creek	22	MH 18-86		Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.	20,000	7.5		N/A	Repair Completed	N/A
4/11/2013	900	CARRINGTON ROAD	FC	Fourth Creek	32B	MH 4-92		Blockage - Roots. The sewer main was flushed & area was cleaned.	40	1		N/A	BA	12 Months
4/18/2013	1212	KENESAW AVENUE	KUW	Third Creek	38	MH 24-168		Blockage - Debris. The sewer main was flushed & area was cleaned.	30	1		N/A	BA	6 Months
4/26/2013	7939	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	✓	N/A	Repair Completed	N/A
4/27/2013	608	VAN STREET	KUW	Second Creek	23	MHs 28-1 & 28-14		Blockage - Grease. The sewer main was flushed & area was cleaned.	1,000	4	✓	N/A	BA/Grease Control	6 Months
4/28/2013	1540	JOUROLMAN AVENUE	KUW	Third Creek	22	MHs 6-194 & 6-219 & BBU	BBU	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	6,350	6		N/A	BA/Grease Control	6 Months
4/28/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1 & Influent Pump Room		Electrical Failure - WWTP. Electricity was restored and the area was cleaned.	1,660,879	5.18	✓	N/A	Repair Completed	N/A
4/29/2013	1028	W PARKWAY AVENUE	KUW	First Creek	4	MH 51-15		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	25	1		N/A	Repair Completed	N/A
5/6/2013	2722	CHUKAR ROAD	FC	Fourth Creek	32A	MH 65-11		Blockage - Debris. The sewer main was flushed & area was cleaned.	5,500	2		N/A	BA	6 Months
5/6/2013	2541	MITCHELL STREET	KUW	First Creek	18	MH 30-182		Heavy rainfall in the area resulted in high flows in the collection system.	12,500	1	✓	Future Construction Planned	N/A	N/A
5/8/2013	701	WEST HILLS ROAD	FC	Fourth Creek	27	MH 54		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	400	16		N/A	Repair Completed	N/A
5/16/2013	1450	DOWELL SPRINGS BOULEVARD	FC	Fourth Creek	27	MH 24-94		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	0.5		N/A	BA	12 Months
5/16/2013	2327	SOUTH HAVEN ROAD	KUW	South Knoxville	40	MH 24-27		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		N/A	Repair Completed	N/A
5/30/2013	1501	WASHINGTON AVENUE	KUW	First Creek	24	MH 24-13		Blockage - Debris. The sewer main was flushed & area was cleaned.	210	1		N/A	BA	3 Months
6/4/2013	2111	SCHOFIELD STREET	KUW	Third Creek	22	MH 13		Construction Failure - Broken Gravity Main. The sewer main was repaired and the area was cleaned.	40,000	3		N/A	Repair Completed	N/A
6/7/2013	7939	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	3	1.5	✓	N/A	Repair Completed	N/A
6/10/2013	1725	AMHERST ROAD	FC	Fourth Creek	27	Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
6/12/2013	6549	CREEKHEAD DRIVE	FC	Fourth Creek	32A	MH 49-3		Vandalism. Blockage was removed & the area was cleaned.	3,000	2		N/A	Repair Completed	N/A
6/12/2013	4714	JULIAN STREET	KUW	South Knoxville	39	MH 40-28		Blockage - Debris. The sewer main was flushed & area was cleaned.	1,500	3		N/A	BA	6 Months
6/18/2013	2500	CEDAR LANE	KUW	First Creek	4	MH 22-13		Heavy rainfall in the area resulted in high flows in the collection system.	300	1	✓	Future Construction Planned	N/A	N/A
6/18/2013	1908	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
7/7/2013	3621 & 3618	BORIGHT DRIVE	KUW	First Creek	8	MH 46-16 & Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	3,300	1	✓	Construction Underway	N/A	N/A
7/7/2013	4100	CENTRAL AVENUE PIKE	KUW	Second Creek	10	MH 17-9		Heavy rainfall in the area resulted in high flows in the collection system.	36,600	3	✓	Construction Completed	N/A	N/A
7/7/2013	1810 & 1908	JEFFERSON AVENUE	KUW	First Creek	24	2 Lateral Cleanouts		Heavy rainfall in the area resulted in high flows in the collection system.	750	1	✓	Construction Completed	N/A	N/A
7/7/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,732,500	8.75	✓	Construction Underway	N/A	N/A
7/7/2013	438	MARYVILLE PIKE	KUW	South Knoxville	39	MHs 27-2 & 27-3		Heavy rainfall in the area resulted in high flows in the collection system.	800	1		Construction Completed	N/A	N/A
7/7/2013	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	540,000	24	✓	Future Construction Planned	N/A	N/A
7/7/2013	2008	RIVERSIDE DRIVE	KUW	Williams Creek	25	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	6,000	1	✓	Future Construction Planned	N/A	N/A
7/7/2013	2327	SOUTH HAVEN ROAD	KUW	South Knoxville	40	MH 24-27		Heavy rainfall in the area resulted in high flows in the collection system.	500	1		N/A	Repair Completed	N/A
7/8/2013	2541	MITCHELL STREET	KUW	First Creek	18	MH 30-182		Heavy rainfall in the area resulted in high flows in the collection system.	19,000	16	✓	Future Construction Planned	N/A	N/A
7/8/2013	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
7/9/2013	4505	MIDDLEBROOK PIKE	KUW	Third Creek	21	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
7/9/2013	1201	WATERCRESS DRIVE	KUW	First Creek	7	Lateral Cleanout		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	67,000	12		N/A	Repair Completed	N/A
7/10/2013	2110	COVE VIEW WAY	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	15	0.5		N/A	Repair Completed	N/A
7/10/2013	2309	MAPLE DRIVE	KUW	First Creek	4	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
7/10/2013	6410	S NORTHSORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
7/10/2013	1815	WAYLAND ROAD	LC	Loves Creek	67	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
7/15/2013	4719	OLD BROADWAY	KUW	First Creek	7	MHs 2 & 63		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
7/22/2013	905	KERMIT DRIVE	KUW	Second Creek	5	MH 4-34		Construction Failure - Gas main bored through sewer. The sewer main was repaired and the area was cleaned.	400	2		N/A	Repair Completed	N/A
7/25/2013	5817	GREEN VALLEY DRIVE	LC	Loves Creek	26	MH 16		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	10	0.5		N/A	Repair Completed	N/A
7/29/2013	5277	N NATIONAL DRIVE	KUW	Riverdale	60	MH 30-3		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	150	1		N/A	Repair Completed	N/A
7/31/2013	4604	CROSBY DRIVE	KUW	Third Creek	28	MH 36		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	150	2		N/A	Repair Completed	N/A
8/24/2013	2304	WOODS CREEK ROAD	LC	Loves Creek	105	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	1		N/A	Repair Completed	N/A
8/27/2013	117	CHARLENE LANE	KUW	Second Creek	5	MH 16-9		Blockage - Roots. The sewer main was flushed & area was cleaned.	4,300	48		N/A	BA	12 Months
9/3/2013	4100	CENTRAL AVENUE PIKE	KUW	Second Creek	10	MH 17-9		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	5	0.25	✓	N/A	Repair Completed	N/A
9/6/2013	1901	SUTHERLAND AVENUE	KUW	Third Creek	29	MH 23		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	700	2		N/A	BA/Grease Control	12 Months
9/6/2013	1108	WHITOWER DRIVE	FC	Fourth Creek	36	Subsurface		Broken System - Sewer Main Collapse. The sewer main is repaired and the area was cleaned.	120	2		N/A	Repair Completed	N/A
9/9/2013	816	W BAXTER AVENUE	KUW	Third Creek	23	MH 19-231		Blockage - Debris. The sewer main was flushed & area was cleaned.	360	0.5		N/A	BA	12 Months
9/17/2013	1017	COX STREET	KUW	Third Creek	28	Broken Gravity Main		Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.	75	1		N/A	Repair Completed	N/A
9/18/2013	2308	FOREST AVENUE	KUW	Third Creek	29	MH 9-12		Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.	500	2		N/A	Repair Completed	N/A
9/21/2013	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Primary Effluent Channel		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	115,000	0.13		N/A	Repair Completed	N/A
9/22/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Electrical Failure - WWTP. Electricity was restored.	227,000	0.93	✓	Construction Underway	N/A	N/A
9/24/2013	5803	MILLERTOWN PIKE	LC	Loves Creek	105	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
9/26/2013	2501	AILOR AVENUE	KUW	Third Creek	29	MH 16		Blockage - Debris. The sewer main was flushed & area was cleaned.	5,600	2		N/A	BA	12 Months
9/30/2013	5255	MCINTYRE ROAD	LC	Loves Creek	6	MH 33-7		Blockage - Roots. The sewer main was flushed & area was cleaned.	35	1		N/A	BA	12 Months
10/3/2013	1111	W FIFTH AVENUE	KUW	Second Creek	23	MH 19-190 & 19-189		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	1,300	1.5		N/A	BA/Grease Control	3 Months
10/4/2013	3547	TALAHI DRIVE	KUW	Third Creek	38	MH 13-54		Blockage - Debris. The sewer main was flushed & area was cleaned.	180	2		N/A	BA	12 Months
10/9/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	43	HRC Pump		Construction Failure - Pump Testing Process Failure. The process was reinstated and the area was cleaned.	115	0.25		N/A	Repair Completed	N/A
10/10/2013	5227	MCNUTT ROAD	KUW	Knob Creek	41	MH 95		Blockage - Debris. The sewer main was flushed & area was cleaned.	180	2		Construction Underway	BA	12 Months
10/13/2013	4319	COMET LANE	LC	Loves Creek	6	Lateral Cleanout		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	140	2		N/A	BA	12 Months
10/15/2013	1221	MILAM CIRCLE	FC	Fourth Creek	36	MH 12-3		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	7,500	8		N/A	Repair Completed	N/A
10/16/2013	409	N WINSTON ROAD	FC	Fourth Creek	32B	Lateral Cleanout and BBU	BBU	Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	300	2		N/A	Repair Completed	N/A
10/24/2013	3847	WILANI ROAD	KUW	Third Creek	38	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	20	0.17		N/A	BA	12 Months
10/26/2013	1216	BAKER AVENUE	KUW	South Knoxville	40	Lateral Cleanout and BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.	10	0.25		N/A	BA/Grease Control	6 Months
10/28/2013	5339	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.5		N/A	Repair Completed	N/A
11/2/2013	508	BROOME RD	FC	Fourth Creek	32A	MH 15-6		Blockage - Roots. The sewer main was flushed & area was cleaned.	70	2		N/A	BA	12 Months
11/5/2013	601	VAN STREET	KUW	Second Creek	23	MH 19-262		Blockage - Grease. The sewer main was flushed & area was cleaned.	80	1	✓	N/A	BA/Grease Control	6 Months
11/7/2013	1500	AMHERST ROAD	FC	Fourth Creek	27	MH 22-68		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	200	0.25		N/A	Repair Completed	N/A
11/8/2013	5032	LYONS VIEW PIKE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	2	✓	N/A	Repair Completed	N/A
11/16/2013	5730	DAVIDA ROAD	KUW	Second Creek	5	MH 8-83		Blockage - Debris. The sewer main was flushed & area was cleaned.	180	1		N/A	BA	12 Months
11/21/2013	6512	ELLESMERE DRIVE	KUW	Third Creek	11	MH 52-6		Blockage - Roots. The sewer main was flushed & area was cleaned.	450	2		N/A	BA	12 Months
11/25/2013	1921	COKER AVENUE	KUW	First Creek	17	Lateral Cleanout & BBU	BBU	Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	1,650	1		N/A	Repair Completed	N/A
12/9/2013	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		WW Storage Facility - Mechanical Failure. The facility was repaired & the area was cleaned.	59,000	3.25	✓	Future Construction Planned	N/A	N/A
12/9/2013	2310	SYCAMORE DRIVE	KUW	Third Creek	22	Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	550	1		N/A	Repair Completed	N/A
12/12/2013	2437	KEITH AVENUE	KUW	Third Creek	22	Lateral Cleanout & BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.	105	1		Future Construction Planned	N/A	N/A

2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
2/28/2011	3814	WOODLAKE DRIVE	KUW	First Creek	1	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	400	4	✓	Construction Completed	N/A	N/A
4/17/2011	3814	WOODLAKE DRIVE	KUW	First Creek	1	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	20	1	✓	Construction Completed	N/A	N/A
2/10/2013	4811	BEVERLY ROAD	KUW	First Creek	2	MH 39-44		Heavy rainfall in the area resulted in high flows in the collection system.	10	1		Future Construction Planned	N/A	N/A
12/10/2011	5209	MURPHY ROAD	KUW	First Creek	2	Grinder Pump & BBU	BBU	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	30	2		N/A	Repair Completed	N/A
10/1/2012	3902	OAKLAND DRIVE	KUW	First Creek	2	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,100	1		N/A	BA	6 Months
3/5/2013	4128	OAKLAND DRIVE	KUW	First Creek	2	MH 39-6		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
5/28/08	4144	OAKLAND DRIVE	KUW	First Creek	2	MHs 39-4, 39-44, 39-45 & Lateral Cleanout MHs 39-4, 39-44, 39-45 & 2 Lateral Cleanouts		Heavy rainfall in the area resulted in high flows in the collection system.	45,655	2	✓	Construction Completed	N/A	N/A
1/6/09	4144	OAKLAND DRIVE	KUW	First Creek	2			Heavy rainfall in the area resulted in high flows in the collection system.	22,475	11	✓	Construction Completed	N/A	N/A
6/25/10	5660	COLONIAL CIRCLE	KUW	First Creek	3	MH 14-2		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	5,600	12		N/A	BA/Grease Control	12 Months
5/15/2011	5715	ELDRIDGE ROAD	KUW	First Creek	3	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	125	2		N/A	BA	12 Months
3/11/2013	2840	ESSARY DRIVE	KUW	First Creek	3	MH 2-14		Blockage - Grease. The sewer main was flushed & area was cleaned.	180	1		N/A	BA/Grease Control	6 months
5/16/10	3628	LUCINDA DRIVE	KUW	First Creek	3	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	18	2		N/A	BA/Grease Control	6 Months
1/18/10	229	LYNNWOOD DRIVE	KUW	First Creek	3	MH 2-98		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	130	0.5		N/A	BA/Grease Control	6 Months
1/16/2013	2412	BERNHURST DRIVE	KUW	First Creek	4	MH 18-54		Heavy rainfall in the area resulted in high flows in the collection system.	1,425	2		Future Construction Planned	N/A	N/A
1/24/10	2414	BERNHURST DRIVE	KUW	First Creek	4	MHs 18-58, 18-54 & 18-53		Blockage - Unknown. The sewer main was flushed & area was cleaned.	5550	10		N/A	BA	6 Months
1/15/2013	2328	CEDAR LANE	KUW	First Creek	4	MH 22-30 & BBU	BBU	Heavy rainfall in the area resulted in high flows in the collection system.	11,655	2	✓	Future Construction Planned	N/A	N/A
2/28/2011	2500	CEDAR LANE	KUW	First Creek	4	MH 22-13		Heavy rainfall in the area resulted in high flows in the collection system.	500	1		Future Construction Planned	N/A	N/A
1/30/2013	2500	CEDAR LANE	KUW	First Creek	4	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	280	1	✓	Future Construction Planned	N/A	N/A
6/18/2013	2500	CEDAR LANE	KUW	First Creek	4	MH 22-13		Heavy rainfall in the area resulted in high flows in the collection system.	300	1	✓	Future Construction Planned	N/A	N/A
12/31/2011	3602	E KESTERWOOD DRIVE	KUW	First Creek	4	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	375	2		Construction Completed	N/A	N/A
1/30/2013	2538	FAIR DRIVE	KUW	First Creek	4	MH 20-1		Heavy rainfall in the area resulted in high flows in the collection system.	450	3	✓	Future Construction Planned	N/A	N/A
11/30/10	2541	FAIR DRIVE	KUW	First Creek	4	MH 20-2		Heavy rainfall in the area resulted in high flows in the collection system.	150	1		Future Construction Planned	N/A	N/A
1/17/2013	2541	FAIR DRIVE	KUW	First Creek	4	MH 20-2		Heavy rainfall in the area resulted in high flows in the collection system.	13,900	48	✓	Future Construction Planned	N/A	N/A
4/16/2011	2544	FAIR DRIVE	KUW	First Creek	4	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	100	1		Future Construction Planned	N/A	N/A
2/8/2013	5029	FIELDCREST LANE	KUW	First Creek	4	MH 13-118		Blockage - Debris. The sewer main was flushed & area was cleaned.	510	1		N/A	BA	6 Months
7/27/09	2204	HIGHLAND DRIVE	KUW	First Creek	4	MH 11-21		Blockage - Roots. The sewer main was flushed & area was cleaned.	344	1		N/A	BA	3 Months
12/31/10	2204	HIGHLAND DRIVE	KUW	First Creek	4	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	450	2		N/A	Repair Completed	N/A
2/5/10	2430	HIGHLAND DRIVE	KUW	First Creek	4	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	2290	1.5		Future Construction Planned	BA	6 Months
3/2/2011	2430	HIGHLAND DRIVE	KUW	First Creek	4	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	120	2		Future Construction Planned	N/A	N/A
6/29/2011	5014	JACKSBORO PIKE	KUW	First Creek	4	MH 13-101		Heavy rainfall in the area resulted in high flows in the collection system.	200	1		Future Construction Planned	N/A	N/A
7/10/2013	2309	MAPLE DRIVE	KUW	First Creek	4	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
10/21/2011	5401	MONTCREST ROAD	KUW	First Creek	4	MH 35-25		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	1		N/A	Repair Completed	N/A
4/29/2013	1028	W PARKWAY AVENUE	KUW	First Creek	4	MH 51-15		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	25	1		N/A	Repair Completed	N/A
10/15/2012	108	CARON DRIVE	KUW	Second Creek	5	MH 16-57		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,150	2		N/A	BA	6 Months
1/7/09	701	CEDAR LANE	KUW	Second Creek	5	MH 35-4		Blockage - Roots. The sewer main was flushed & area was cleaned.	37,450	26		N/A	BA	3 Months
8/27/2013	117	CHARLENE LANE	KUW	Second Creek	5	MH 16-9		Blockage - Roots. The sewer main was flushed & area was cleaned.	4,300	48		N/A	BA	12 Months
11/16/2013	5730	DAVIDA ROAD	KUW	Second Creek	5	MH 8-83		Blockage - Debris. The sewer main was flushed & area was cleaned.	180	1		N/A	BA	12 Months
3/1/2011	5205	HAYNES-STERCHI ROAD	KUW	Second Creek	5	MH 35-4		Blockage - Debris. The sewer main was flushed & area was cleaned.	500	1		N/A	BA	3 Months
1/6/10	905	KERMIT DRIVE	KUW	Second Creek	5	MH 4-36		Blockage - Grease. The sewer main was flushed & area was cleaned.	1080	1.5		N/A	BA/Grease Control	6 Months
7/22/2013	905	KERMIT DRIVE	KUW	Second Creek	5	MH 4-34		Construction Failure - Gas main bored through sewer. The sewer main was repaired and the area was cleaned.	400	2		N/A	Repair Completed	N/A
2/28/2011	923	OAKLETT DRIVE	KUW	Second Creek	5	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	9,000	1.5		Construction Completed	N/A	N/A
12/12/2012	5704	WAYNEWOOD ROAD	KUW	Second Creek	5	MH 16-22		Blockage - Roots. The sewer main was flushed & area was cleaned.	360	2		N/A	BA	9 Months
11/26/2012	5016	WILFORD ROAD	KUW	Second Creek	5	MH 2		Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	750	1		N/A	Repair Completed	N/A
7/29/10	720	WOODVIEW DRIVE	KUW	Second Creek	5	MH 35-2		Blockage - Roots. The sewer main was flushed & area was cleaned.	2	1		N/A	BA	6 Months
10/13/2013	4319	COMET LANE	LC	Loves Creek	6	Lateral Cleanout		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	140	2		N/A	BA	12 Months
10/1/2011	206	HILLVIEW AVENUE	LC	Loves Creek	6	MH 29-145 & Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	500	1		N/A	BA	12 Months
12/26/10	1725	LOVES CREEK ROAD	LC	Loves Creek	6	MH 48-3		Blockage - Debris. The sewer main was flushed & area was cleaned.	180	2		N/A	BA	6 Months
9/30/2013	5255	MCINTYRE ROAD	LC	Loves Creek	6	MH 33-7		Blockage - Roots. The sewer main was flushed & area was cleaned.	35	1		N/A	BA	12 Months
2/21/10	5713	MILLERTOWN PIKE	LC	Loves Creek	6	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	5	1.5		N/A	Repair Completed	N/A
8/23/05	2304	WOODS CREEK ROAD	LC	Loves Creek	6	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	2		N/A	Repair Completed	N/A
9/5/2011	1308	ADAIR DRIVE	KUW	First Creek	7	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	500	5		Construction Completed	N/A	N/A
9/18/2012	1309	ADAIR DRIVE	KUW	First Creek	7	MH 28		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	2		Construction Completed	N/A	N/A
7/11/2011	1313	ADAIR DRIVE	KUW	First Creek	7	MH 28-1		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Completed	N/A	N/A
9/11/10	1408	ADAIR DRIVE	KUW	First Creek	7	MH 26		Heavy rainfall in the area resulted in high flows in the collection system.	60	1		Construction Completed	N/A	N/A
1/28/10	702	E INSKIP DRIVE	KUW	First Creek	7	MH 29-63		Blockage - Debris. The sewer main was flushed & area was cleaned.	410	1		Construction Completed	N/A	N/A
6/2/2011	1216	GLENOKS DRIVE	KUW	First Creek	7	Lateral Cleanout		Blockage - Roots, Grease, and Debris. The sewer main was flushed & area was cleaned.	30	1		N/A	BA/Grease Control	12 Months
11/15/2012	4517	N WAHLI DRIVE	KUW	First Creek	7	MH 39		Blockage - Roots. The sewer main was flushed & area was cleaned.	725	2	✓	Construction Completed	BA	12 Months
3/20/2013	4525	N WAHLI DRIVE	KUW	First Creek	7	Lateral Cleanout		Construction Failure - Pressure Testing Process Failure. The area was cleaned.	30	1	✓	Construction Completed	N/A	N/A
3/28/03	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	BA	12 Months
1/28/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	50	2	✓	Construction Completed	BA	12 Months
2/6/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	13,500	18	✓	Construction Completed	BA	12 Months
3/6/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	3150	2.5	✓	Construction Completed	BA	12 Months
6/23/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	BA	12 Months
9/20/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	561	5	✓	Construction Completed	BA	12 Months
11/24/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	2040	11.3	✓	Construction Completed	BA	12 Months
12/1/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	37,400	12	✓	Construction Completed	BA	12 Months
12/7/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	54,720	9.5	✓	Construction Completed	BA	12 Months
12/9/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	1,008,120	62	✓	Construction Completed	BA	12 Months
4/19/05	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	250	2	✓	Construction Completed	BA	12 Months
1/17/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	270	2	✓	Construction Completed	BA	12 Months
1/26/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	14025	1	✓	Construction Completed	BA	12 Months
4/8/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	20196	12	✓	Construction Completed	BA	12 Months
4/22/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	89670	12	✓	Construction Completed	BA	12 Months
9/24/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	197712	6	✓	Construction Completed	BA	12 Months
1/26/10	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	3400	12		Future Construction Planned	BA	12 Months
3/22/2011	4713	OLD BROADWAY	KUW	First Creek	7	MHs 2 & 63		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
4/16/2011	4713	OLD BROADWAY	KUW	First Creek	7	MHs 2 & 63		Heavy rainfall in the area resulted in high flows in the collection system.	24,500	3	✓	Future Construction Planned	N/A	N/A
1/15/2013	4719	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	16,320,000	91	✓	Future Construction Planned	N/A	N/A
7/15/2013	4719	OLD BROADWAY	KUW	First Creek	7	MHs 2 & 63		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
5/25/2012	4601	SEMINOLE ROAD	KUW	First Creek	7	Broken Gravity Main		Blockage - Debris. The sewer main was flushed & area was cleaned.	3,800	2	✓	Construction Completed	N/A	N/A
9/23/06	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	360	2		Construction Completed	N/A	N/A
1/27/10	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	105	1		Construction Completed	N/A	N/A
3/2/2011	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	100	2		Construction Completed	N/A	N/A
5/14/2012	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	50	1		Construction Completed	N/A	N/A
2/19/03	4606	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Blockage - Debris. The sewer main was flushed & area was cleaned.	90	3		Construction Completed	N/A	N/A
7/9/2013	1201	WATERCRESS DRIVE	KUW	First Creek	7	Lateral Cleanout		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	67,000	12		N/A	Repair Completed	N/A
11/24/04	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Blockage - Grease. The sewer main was flushed & area was cleaned.	3960	8.25		Construction Completed	BA/Grease Control	6 Months
9/23/06	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	1440	6		Construction Completed	BA	6 Months
12/11/08	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	65	1		Construction Completed	BA	6 Months

2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
12/3/10	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	1000	3		Construction Completed	BA	6 Months
3/3/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
6/24/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	60	1	✓	Construction Completed	N/A	N/A
9/9/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
11/16/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Construction Completed	N/A	N/A
11/28/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	150	2	✓	Construction Completed	N/A	N/A
1/23/2012	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	1,000	2	✓	Construction Completed	N/A	N/A
4/5/2012	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	200	2	✓	Construction Completed	N/A	N/A
5/14/2012	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
7/18/2012	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	400	1	✓	Construction Completed	N/A	N/A
2/28/2011	3218	AVONDALE AVENUE	KUW	First Creek	8	MH 22-33, Broken Lateral & BBU at 3218 & 3220 Avondale Avenue	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.	1,500	3		N/A	BA/Grease Control	12 Months
1/6/09	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 42,43,44 & 45		Heavy rainfall in the area resulted in high flows in the collection system.	4,830	9.5	✓	Construction Underway	N/A	N/A
12/18/09	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 42 & 43		Blockage - Grease. The sewer main was flushed & area was cleaned.	3,310	6	✓	Construction Underway	BA/Grease Control	6 Months
11/30/10	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 45, 44, 43, 42, 41, 40 and 39		Heavy rainfall in the area resulted in high flows in the collection system.	12750	8	✓	Construction Underway	BA	6 Months
4/16/2011	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 43 & 44		Heavy rainfall in the area resulted in high flows in the collection system.	2,250	4	✓	Construction Underway	N/A	N/A
1/15/2013	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 42, 43, & 44		Heavy rainfall in the area resulted in high flows in the collection system.	70,650	28	✓	Construction Underway	N/A	N/A
1/30/2013	3412	BORIGHT DRIVE	KUW	First Creek	8	MHs 43, 46-16, & Lateral Cleanout @ 3618 Boright Drive		Heavy rainfall in the area resulted in high flows in the collection system.	21,300	16	✓	Construction Underway	N/A	N/A
6/24/2011	3621	BORIGHT DRIVE	KUW	First Creek	8	MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	400	3	✓	Construction Underway	N/A	N/A
7/7/2013	3621 & 3618	BORIGHT DRIVE	KUW	First Creek	8	MH 46-16 & Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	3,300	1	✓	Construction Underway	N/A	N/A
10/20/2012	313	FORESTAL DRIVE	KUW	First Creek	8	MH 7-72		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1.5		N/A	BA	12 Months
7/11/10	415	FORESTAL DRIVE	KUW	First Creek	8	MH 7-91		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	2		N/A	BA/Grease Control	6 Months
11/22/2011	2885	TAZEWELL PIKE	KUW	First Creek	8	Unnamed MH		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	1,500	2		N/A	Repair Completed	N/A
3/11/2011	2415	TECOMA DRIVE	KUW	First Creek	8	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	60	3		Future Construction Planned	N/A	N/A
3/7/10	3403	VALLEY VIEW DRIVE	KUW	First Creek	8	MH 9-86		Blockage - Debris. The sewer main was flushed & area was cleaned.	1590	1.5		N/A	Repair Completed	N/A
7/2/2011	5936	MONTINA ROAD	KUW	Third Creek	9	MHs 17-212 & 17-210		Blockage - Debris. The sewer main was flushed & area was cleaned.	3,300	4		N/A	BA	12 Months
1/25/10	5546	WILKERSON ROAD	KUW	Third Creek	9	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	5	1		N/A	Repair Completed	N/A
4/18/2011	5546	WILKERSON ROAD	KUW	Third Creek	9	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	N/A	Repair Completed	N/A
4/28/2011	5546	WILKERSON ROAD	KUW	Third Creek	9	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	N/A	Repair Completed	N/A
5/23/10	1312	CASSELL DRIVE	KUW	Second Creek	10	MH 14-101		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	1	✓	N/A	BA/Grease Control	6 Months
5/19/10	1401	CASSELL DRIVE	KUW	Second Creek	10	MH 14-103		Blockage - Debris. The sewer main was flushed & area was cleaned.	540	1.5	✓	N/A	BA	6 Months
4/16/2011	4100	CENTRAL AVENUE PIKE	KUW	Second Creek	10	MH 17-9		Heavy rainfall in the area resulted in high flows in the collection system.	800	4	✓	Construction Completed	N/A	N/A
2/4/2013	4100	CENTRAL AVENUE PIKE	KUW	Second Creek	10	MH 17-9		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
7/7/2013	4100	CENTRAL AVENUE PIKE	KUW	Second Creek	10	MH 17-9		Heavy rainfall in the area resulted in high flows in the collection system.	36,600	3	✓	Construction Completed	N/A	N/A
9/3/2013	4100	CENTRAL AVENUE PIKE	KUW	Second Creek	10	MH 17-9		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	5	0.25	✓	N/A	Repair Completed	N/A
3/3/2011	4105	CENTRAL AVENUE PIKE	KUW	Second Creek	10	MH 17-8		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
12/16/09	4315	CLINTON HIGHWAY	KUW	Second Creek	10	Lateral Cleanout		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	4,855	48 Intermittently		N/A	Repair Completed	N/A
11/18/2012	4315	CLINTON HIGHWAY	KUW	Second Creek	10	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,050	1		N/A	BA	12 Months
1/25/2012	310	KENSI DRIVE	KUW	Second Creek	10	Lateral Cleanout & BBU at 312 Kensi Drive	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	325	2		N/A	BA	6 Months
1/12/2011	3922	NERVA ROAD	KUW	Second Creek	10	MH 17-78		Blockage - Grease. The sewer main was flushed & area was cleaned.	300	1		N/A	BA/Grease Control	6 Months
6/6/2011	114	TILLERY DRIVE	KUW	Second Creek	10	MH 16-1		Broken System - Sag. The sewer main was repaired & the area was cleaned.	15,000	5		Construction Completed	N/A	N/A
1/24/2011	5926	ANTIGUA LANE	KUW	Third Creek	11	MH 22-11		Broken System - Offset Joint. The sewer main was repaired & the area was cleaned.	500	5		N/A	Repair Completed	N/A
1/14/2013	5829	BALL CAMP PIKE	KUW	Third Creek	11	MH 11-48		Blockage - Grease. The sewer main was flushed & area was cleaned.	10,600	4		N/A	BA/Grease Control	12 Months
11/21/2013	6512	ELLESMERE DRIVE	KUW	Third Creek	11	MH 52-6		Blockage - Roots. The sewer main was flushed & area was cleaned.	450	2		N/A	BA	12 Months
7/1/2012	5745	GOLDENROD CIRCLE	KUW	Third Creek	11	MH 11-20		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A	BA	12 Months
5/12/10	4509	LONDON DRIVE	KUW	Third Creek	11	MH 11-229		Blockage - Grease. The sewer main was flushed & area was cleaned.	50	1		N/A	BA/Grease Control	6 Months
1/30/2013	3305	MCKAMEY ROAD	KUW	Third Creek	11	MH 13		Heavy rainfall in the area resulted in high flows in the collection system.	6,400	9		Future Construction Planned	N/A	N/A
4/16/2011	4421	ROYALVIEW ROAD	KUW	Third Creek	11	MH 11-157		Heavy rainfall in the area resulted in high flows in the collection system.	750	1		Construction Completed	N/A	N/A
2/23/2011	6505	VINTAGE DRIVE	KUW	Third Creek	11	MH 48-38		Blockage - Debris. The sewer main was flushed & area was cleaned.	150	1		N/A	BA	12 Months
3/11/2013	4728	BALL CAMP PIKE	KUW	Third Creek	12	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	1,100	2		N/A	BA/Grease Control	6 Months
3/10/2012	4901	BALL CAMP PIKE	KUW	Third Creek	12	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,500	4.5		N/A	BA	9 Months
6/4/2012	5412	MAYWOOD ROAD	KUW	Third Creek	12	MHs 20-16 & 20-20		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	70	1		N/A	BA/Grease Control	6 Months
3/12/10	4804	BAY STREET	KUW	Third Creek	13	MH 34-31		Blockage - Debris. The sewer main was flushed & area was cleaned.	230	1		N/A	BA	12 Months
9/28/2012	4205	DRIFTING DRIVE	KUW	Third Creek	13	MH 31-19		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	2		N/A	BA/Grease Control	12 Months
8/12/10	4351	FALCONITE WAY	KUW	Third Creek	13	MH 10		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	7500	24		N/A	Repair Completed	N/A
1/25/10	4505	MIDDLEBROOK PIKE	KUW	Third Creek	13	Diversion Structure		Heavy rainfall in the area resulted in high flows in the collection system.	21600	4		Future Construction Planned	N/A	N/A
2/4/10	4025	THORNWOOD ROAD	KUW	Third Creek	13	MH 17-92		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	250	2		N/A	BA/Grease Control	6 Months
2/9/2012	1613	WANDERING ROAD	KUW	Third Creek	13	MH 52-3		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	3		N/A	BA/Grease Control	12 Months
12/20/2012	3006	CORAM STREET	KUW	Second Creek	14	MH 10-27 & Lateral Cleanout at 222 Radford Place & BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,550	2		N/A	BA	6 Months
6/5/09	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	3,990	4	✓	Construction Completed	N/A	N/A
9/26/09	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	350	1	✓	Construction Completed	N/A	N/A
12/15/09	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
1/25/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
5/3/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	3600	3	✓	Construction Completed	N/A	N/A
9/11/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	1000	1	✓	Construction Completed	N/A	N/A
12/1/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	4700	3	✓	Construction Completed	N/A	N/A
1/1/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	5,630	3	✓	Construction Completed	N/A	N/A
2/28/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	5,800,000	4	✓	Construction Completed	N/A	N/A
4/16/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	1,350	1	✓	Construction Completed	N/A	N/A
6/24/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
2/25/2011	1124	DELAWARE AVENUE	KUW	Second Creek	15	MH 21-53		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	500	2		N/A	BA/Grease Control	6 Months
12/29/2011	300	E COLUMBIA AVENUE	KUW	Second Creek	15	Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	25	1		Construction Completed	N/A	N/A
3/5/2013	1323	TENNESSEE AVENUE	KUW	Second Creek	15	MH 21-191 & Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	750	1		N/A	BA	12 Months
5/12/2012	403	W OLDHAM AVENUE	KUW	Second Creek	15	Unnamed Manhole		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	47,000	4		N/A	Repair Completed	N/A
4/28/2011	237	W SCOTT AVENUE	KUW	Second Creek	15	MH 9		Heavy rainfall in the area resulted in high flows in the collection system.	1,000	1		Construction Completed	N/A	N/A
7/20/2012	1620	EDGEWOOD AVENUE	KUW	First Creek	16	Lateral Cleanout		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	1,000	1		N/A	Repair Completed	N/A
2/8/2011	1908	EDGEWOOD AVENUE	KUW	First Creek	16	Water Meter Well		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	180	1		N/A	Repair Completed	N/A
3/1/2011	1521	FAIRMONT BOULEVARD	KUW	First Creek	16	Temporary Lateral Connection		Heavy rainfall in the area resulted in high flows in the collection system.	30	1		Construction Completed	N/A	N/A
11/25/2013	1921	COKER AVENUE	KUW	First Creek	17	Lateral Cleanout & BBU	BBU	Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	1,650	1		N/A	Repair Completed	N/A
4/7/2011	3526	BUFFAT MILL ROAD	KUW	First Creek	18	MH 65-19 and BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	300	4		N/A	BA	12 Months
1/6/09	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	4,575	9	✓	Construction Completed	BA/Grease Control	6 Months
12/9/09	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	40	0.5	✓	Construction Completed	N/A	N/A
1/24/10	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	138060	8	✓	Construction Completed	BA	6 Months
5/3/10	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	4200	2.25	✓	Construction Completed	BA	6 Months
11/30/10	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	17250	8	✓	Construction Completed	BA	6 Months
2/28/2011	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	410,000	3	✓	Construction Completed	N/A	N/A
3/6/2011	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	1,500	3	✓	Construction Completed	N/A	N/A
3/9/2011	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	98,000	8	✓	Construction Completed	N/A	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
4/16/2011	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	5	✓	Construction Completed	N/A	N/A
12/4/2011	3319	FOUNTAIN PARK BOULEVARD	KUW	First Creek	18	MH 72		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	325	4.5		N/A	BA/Grease Control	12 Months
1/23/2012	2848	LONDON CIRCLE	KUW	First Creek	18	MH 40		Heavy rainfall in the area resulted in high flows in the collection system.	750	4		N/A	Repair Completed	N/A
1/15/2013	2541	MITCHELL STREET	KUW	First Creek	18	MH 30-182		Heavy rainfall in the area resulted in high flows in the collection system.	317,000	120	✓	Future Construction Planned	N/A	N/A
1/30/2013	2541	MITCHELL STREET	KUW	First Creek	18	MH 30-182		Heavy rainfall in the area resulted in high flows in the collection system.	19,600	24	✓	Future Construction Planned	N/A	N/A
7/8/2013	2541	MITCHELL STREET	KUW	First Creek	18	MH 30-182		Heavy rainfall in the area resulted in high flows in the collection system.	19,000	16	✓	Future Construction Planned	N/A	N/A
5/6/2013	2541	MITCHELL STREET	KUW	First Creek	18	MH 30-182		Heavy rainfall in the area resulted in high flows in the collection system.	12,500	1	✓	Future Construction Planned	N/A	N/A
2/15/2012	1421	N BROADWAY	KUW	First Creek	18	MH 3-25		Blockage - Grease. The sewer main was flushed & area was cleaned.	265	1.5		N/A	BA/Grease Control	6 Months
9/28/06	302	SEVENTH AVENUE	KUW	First Creek	18	MHs 15 & 16		Blockage - Roots. The sewer main was flushed & area was cleaned.	8209	6	✓	Future Construction Planned	BA	6 Months
2/6/04	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	6660	18.5	✓	Future Construction Planned	BA	12 Months
12/9/04	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	26,928	8	✓	Future Construction Planned	BA	12 Months
11/1/06	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	558	5	✓	Future Construction Planned	BA	6 Months
1/8/07	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Blockage - Roots. The sewer main was flushed & area was cleaned.	720	2	✓	Future Construction Planned	BA	6 Months
1/24/10	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	90	3		Future Construction Planned	BA	6 Months
3/4/2011	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Future Construction Planned	N/A	N/A
4/18/2011	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Future Construction Planned	N/A	N/A
4/28/2011	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	5	1	✓	Future Construction Planned	N/A	N/A
6/25/2011	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Future Construction Planned	N/A	N/A
1/23/2012	3148	WILDERNESS ROAD	KUW	First Creek	18	MH 51 & 52		Heavy rainfall in the area resulted in high flows in the collection system.	3,000	4		N/A	Repair Completed	N/A
1/7/2011	2526	E FIFTH AVENUE	KUW	Williams Creek	19	Lateral Cleanouts at 2522, 2524, 2526 & 2528 E. Fifth Avenue		Blockage - Grease. The sewer main was flushed & area was cleaned.	900	2		N/A	BA/Grease Control	12 Months
9/24/2012	2441	LINDEN AVENUE	KUW	Williams Creek	19	MH 5-240		Blockage - Grease. The sewer main was flushed & area was cleaned.	250	1		N/A	BA/Grease Control	12 Months
5/9/2011	2639	LOUISE AVENUE	KUW	Williams Creek	19	MH 5-1		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	540,000	24		N/A	BA/Grease Control	12 Months
12/10/2011	621	MILLIGAN STREET	KUW	Williams Creek	19	Grinder Pump		Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	10	1		N/A	Repair Completed	N/A
7/16/2012	2800	SELMA AVENUE	KUW	Williams Creek	19	MH 2-65		Blockage - Debris. The sewer main was flushed & area was cleaned.	350	1		N/A	BA	12 Months
1/8/2011	2726	WILSON AVENUE	KUW	Williams Creek	19	MH 8-1		Blockage - Grease. The sewer main was flushed & area was cleaned.	760	1.5		N/A	BA/Grease Control	12 Months
10/15/09	4201	ASHEVILLE HIGHWAY	LC	Loves Creek	20	MH 34-23		Heavy rainfall in the area resulted in high flows in the collection system.	50	0.5		Construction Completed	N/A	N/A
2/16/2011	5720	ASHEVILLE HIGHWAY	LC	Loves Creek	20	MH 11-3		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,300	3		N/A	Repair Completed	N/A
4/24/2011	3901	BONNIE VIEW AVENUE	LC	Loves Creek	20	MH 74-8		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	50	2		N/A	BA/Grease Control	6 Months
1/18/2013	3439	E MAGNOLIA AVENUE	LC	Loves Creek	20	MH 61		Heavy rainfall in the area resulted in high flows in the collection system.	25			Future Construction Planned	N/A	N/A
11/1/10	5415	HOLSTON DRIVE	LC	Loves Creek	20	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	170	1.5		N/A	Repair Completed	N/A
2/14/10	302	LINGBURTON AVENUE	LC	Loves Creek	20	Lateral Cleanout		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	5		N/A	Repair Completed	N/A
2/4/08	516	N BEAMAN STREET	LC	Loves Creek	20	MH 61-8		Blockage - Roots. The sewer main was flushed & area was cleaned.	180	1		Construction Completed	BA	6 Months
8/11/2011	516	N BEAMAN STREET	LC	Loves Creek	20	MH 61-8		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.25	✓	Construction Completed	BA	6 Months
7/20/2012	516	N BEAMAN STREET	LC	Loves Creek	20	MH 61-8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
8/12/09	5745	SANDIS LANE	LC	Loves Creek	20	Broken Force Main		Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	5,240	1		N/A	Repair Completed	N/A
1/24/10	5760	SANDIS LANE	LC	Loves Creek	20	Influent Structure		WWTP - Electrical Failure. Electricity was restored.	190000	0.75		N/A	N/A	N/A
2/8/2012	5760	SANDIS LANE	LC	Loves Creek	20	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	7,000	9		N/A	Repair Completed	N/A
9/18/2012	5760	SANDIS LANE	LC	Loves Creek	20	MH 1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1,000,800	2		N/A	Repair Completed	N/A
10/16/2012	1219	HILTON ROAD	KUW	Third Creek	21	MH 10-64		Blockage - Roots. The sewer main was flushed & area was cleaned.	400	1		N/A	BA	9 Months
7/30/08	5405	LANCE DRIVE	KUW	Third Creek	21	MH 10-85		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	4,900	24		N/A	BA	6 Months
11/23/2011	5405	LANCE DRIVE	KUW	Third Creek	21	MH 10-85		Blockage - Roots. The sewer main was flushed & area was cleaned.	300	3		N/A	BA	6 Months
4/21/2011	4505	MIDDLEBROOK PIKE	KUW	Third Creek	21	MHs 16-48 & 2 Unnamed Manholes		Heavy rainfall in the area resulted in high flows in the collection system.	72,000	6		Future Construction Planned	N/A	N/A
2/7/2012	4505	MIDDLEBROOK PIKE	KUW	Third Creek	21	Dewatering Containmentment		Construction Failure - Dewatering Containmentment. Containmentment reinstated & the area was cleaned.	150	0.1		N/A	Repair Completed	N/A
1/16/2013	4505	MIDDLEBROOK PIKE	KUW	Third Creek	21	MHs 1 & 27-54		Heavy rainfall in the area resulted in high flows in the collection system.	10,000	12	✓	Future Construction Planned	N/A	N/A
7/9/2013	4505	MIDDLEBROOK PIKE	KUW	Third Creek	21	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
2/5/10	2621	BRAGG STREET	KUW	Third Creek	22	MH 21-123		Blockage - Debris. The sewer main was flushed & area was cleaned.	60	1.5		N/A	BA	6 Months
4/28/2013	1540	JOURLMAN AVENUE	KUW	Third Creek	22	MHs 6-194 & 6-219 & BBU	BBU	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	6,350	6		N/A	BA/Grease Control	6 Months
12/12/2013	2437	KEITH AVENUE	KUW	Third Creek	22	Lateral Cleanout & BBU	BBU	Heavy rainfall in the area resulted in high flows in the collection system.	105	1		Future Construction Planned	N/A	N/A
3/10/10	955	KNOXVILLE COLLEGE DRIVE	KUW	Third Creek	22	MH 6-78		Vandalism. Blockage was removed & the area was cleaned.	1250	1		N/A	BA	12 Months
10/27/06	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system.	5100	5		Future Construction Planned	BA	6 Months
9/28/09	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Blockage - Grease. The sewer main was flushed & area was cleaned.	1,000	1	✓	Future Construction Planned	BA/Grease Control	3 Months
2/2/10	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system.	1000	1	✓	Future Construction Planned	BA	6 Months
2/5/10	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system.	11500	8	✓	Future Construction Planned	BA	6 Months
8/16/10	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Blockage - Grease. The sewer main was flushed & area was cleaned.	50	1	✓	Future Construction Planned	BA/Grease Control	6 Months
6/4/2013	2111	SCHOFIELD STREET	KUW	Third Creek	22	MH 13		Construction Failure - Broken Gravity Main. The sewer main was repaired and the area was cleaned.	40,000	3		N/A	Repair Completed	N/A
4/28/2012	1816	STERCHI STREET	KUW	Third Creek	22	MH 11-44		Blockage - Debris. The sewer main was flushed & area was cleaned.	30	1		N/A	BA	6 Months
12/9/2013	2310	SYCAMORE DRIVE	KUW	Third Creek	22	Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	550	1		N/A	Repair Completed	N/A
11/17/2011	1919	TENNESSEE AVENUE	KUW	Third Creek	22	2 Lateral Cleanouts		Blockage - Debris. The sewer main was flushed & area was cleaned.	900	2		N/A	BA	12 Months
4/8/2013	2724	WESTERN AVENUE	KUW	Third Creek	22	MH 18-86		Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.	20,000	7.5		N/A	Repair Completed	N/A
5/3/10	601	ARTHUR STREET	KUW	Second Creek	23	MH 19-132		Blockage - Grease. The sewer main was flushed & area was cleaned.	360	2		N/A	BA/Grease Control	6 Months
9/18/2012	517	BERNARD AVENUE	KUW	Second Creek	23	MHs 98 & 101		Heavy rainfall in the area resulted in high flows in the collection system.	120,000	0.5		N/A	Repair Completed	N/A
2/20/09	117	SIXTEENTH AVENUE	KUW	Second Creek	23	MH 21-33		Blockage - Grease. The sewer main was flushed & area was cleaned.	255	1		N/A	BA/Grease Control	6 Months
8/15/2011	110	SIXTEENTH STREET	KUW	Second Creek	23	MH 21-177		Blockage - Debris. The sewer main was flushed & area was cleaned.	200	1		N/A	BA	12 Months
1/26/2011	117	SIXTEENTH STREET	KUW	Second Creek	23	MH 21-33		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	700	1.5		N/A	Repair Completed	N/A
5/19/10	906	STEWART STREET	KUW	Second Creek	23	MH 35-56		Blockage - Debris. The sewer main was flushed & area was cleaned.	35	1		N/A	BA	6 Months
2/15/10	100	THIRTEENTH STREET	KUW	Second Creek	23	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	100	1		N/A	Repair Completed	N/A
11/5/2013	601	VAN STREET	KUW	Second Creek	23	MH 19-262		Blockage - Grease. The sewer main was flushed & area was cleaned.	80	1	✓	N/A	BA/Grease Control	6 Months
8/12/09	608	VAN STREET	KUW	Second Creek	23	MHs 28-14, 28-1, & 28 and Subsurface		Blockage - Grease. The sewer main was flushed & area was cleaned.	Unknown	Unknown		Construction Completed	BA/Grease Control	N/A
4/27/2013	608	VAN STREET	KUW	Second Creek	23	MHs 28-1 & 28-14		Blockage - Grease. The sewer main was flushed & area was cleaned.	1,000	4	✓	N/A	BA/Grease Control	6 Months
3/1/2011	411	W BAXTER AVENUE	KUW	Second Creek	23	MH 49		Heavy rainfall in the area resulted in high flows in the collection system.	800,000	4		Construction Completed	N/A	N/A
9/9/2013	816	W BAXTER AVENUE	KUW	Third Creek	23	MH 19-231		Blockage - Debris. The sewer main was flushed & area was cleaned.	360	0.5		N/A	BA	12 Months
10/3/2013	1111	W FIFTH AVENUE	KUW	Second Creek	23	MH 19-190 & 19-189		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	1,300	1.5		N/A	BA/Grease Control	3 Months
6/7/2011	814	W FOURTH AVENUE	KUW	Second Creek	23	MH 19-189		Blockage - Debris. The sewer main was flushed & area was cleaned.	5,550	1.5		N/A	BA	12 Months
8/4/2011	701	WORLDS FAIR PARK DRIVE	KUW	Second Creek	23	MH 19-9		Blockage - Debris. The sewer main was flushed & area was cleaned.	300	2		Construction Completed	N/A	N/A
6/14/2011	2010	E FIFTH AVENUE	KUW	First Creek	24	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	7,800	2.5		N/A	Repair Completed	N/A
12/9/2012	1814	E GLENWOOD AVENUE	KUW	First Creek	24	MH 25-49		Blockage - Grease. The sewer main was flushed & area was cleaned.	410	3		Construction Completed	BA/Grease Control	6 Months
9/5/2011	1903	JEFFERSON AVENUE	KUW	First Creek	24	MH 25-18 & Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	2,700	5	✓	Construction Completed	N/A	N/A
9/18/2012	1903	JEFFERSON AVENUE	KUW	First Creek	24	MH 25-18		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
1/15/2013	1903	JEFFERSON AVENUE	KUW	First Creek	24	MH 25-18		Heavy rainfall in the area resulted in high flows in the collection system.	75	1	✓	Construction Completed	N/A	N/A
1/30/2013	1903	JEFFERSON AVENUE	KUW	First Creek	24	MH 25-18		Heavy rainfall in the area resulted in high flows in the collection system.	875	4	✓	Construction Completed	N/A	N/A
11/30/10	1908	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	180	3	✓	Construction Completed	N/A	N/A
11/16/2011	1908	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
1/23/2012	1908	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanouts at 1907, 1908, & 1909 Jefferson Ave		Heavy rainfall in the area resulted in high flows in the collection system.	150	0.5	✓	Construction Completed	N/A	N/A
6/18/2013	1908	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
4/2/2012	1909	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	40	1	✓	Construction Completed	N/A	N/A
7/7/2013	1810 & 1908	JEFFERSON AVENUE	KUW	First Creek	24	2 Lateral Cleanouts		Heavy rainfall in the area resulted in high flows in the collection system.	750	1	✓	Construction Completed	N/A	N/A
3/17/10	2217	MARTIN LUTHER KING JR DRIVE	KUW	First Creek	24	MH 6-152 & Privately Owned MH		Blockage - Debris. The sewer main was flushed & area was cleaned.	530	0.5		N/A	BA	6 Months



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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
2/15/2011	2236	MARTIN LUTHER KING JR DRIVE	KUW	First Creek	24	MH 6-154		Blockage - Grease. The sewer main was flushed & area was cleaned.	30	1		N/A	BA/Grease Control	6 Months
8/16/10	1104	MCCALLA AVENUE	KUW	First Creek	24	MH 11-1		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1000	2		N/A	Repair Completed	N/A
5/30/2013	1501	WASHINGTON AVENUE	KUW	First Creek	24	MH 24-13		Blockage - Debris. The sewer main was flushed & area was cleaned.	210	1		N/A	BA	3 Months
2/28/2011	2102	WASHINGTON AVENUE	KUW	First Creek	24	MH 25-114		Heavy rainfall in the area resulted in high flows in the collection system.	190,000	4		Construction Completed	N/A	N/A
8/17/2012	524	BEN HUR AVENUE	KUW	Williams Creek	25	Broken Lateral & BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	60	2		N/A	BA	6 Months
2/16/2011	604	BEN HUR AVENUE	KUW	Williams Creek	25	Abandoned Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	500	1.5		N/A	BA	6 Months
1/24/10	1109	BIDDLE STREET	KUW	Williams Creek	25	Lateral Cleanout & BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	1000	1		N/A	BA	6 Months
7/7/2011	800	GRAVES STREET	KUW	Williams Creek	25	MH 31		Blockage - Grease. The sewer main was flushed & area was cleaned.	500	1		N/A	BA/Grease Control	3 Months
9/7/2011	2111	MOHAWK AVENUE	KUW	Williams Creek	25	MH 4-2		Blockage - Grease. The sewer main was flushed & area was cleaned.	5,400	12	✓	N/A	BA/Grease Control	12 Months
7/8/2012	2111	MOHAWK AVENUE	KUW	Williams Creek	25	MH 4-2		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,100	5	✓	N/A	Repair Completed	N/A
2/28/2011	2008	RIVERSIDE DRIVE	KUW	Williams Creek	25	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	720,000	4	✓	Future Construction Planned	N/A	N/A
7/7/2013	2008	RIVERSIDE DRIVE	KUW	Williams Creek	25	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	6,000	1	✓	Future Construction Planned	N/A	N/A
3/27/2013	2418	SELMA AVENUE	KUW	Williams Creek	25	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	800	1		N/A	BA/Grease Control	6 months
11/12/2011	1017	ANDES ROAD	LC	Loves Creek	26	MH 72-152		Blockage - Grease. The sewer main was flushed & area was cleaned.	250	2		N/A	BA/Grease Control	12 Months
1/20/2011	5405	GREEN VALLEY DRIVE	LC	Loves Creek	26	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	20	0.5		Construction Completed	N/A	N/A
3/9/2011	5405	GREEN VALLEY DRIVE	LC	Loves Creek	26	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	150	1	✓	Construction Completed	N/A	N/A
10/24/2012	5408	GREEN VALLEY DRIVE	LC	Loves Creek	26	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	50	0.25		N/A	Repair Completed	N/A
3/2/2011	5508	GREEN VALLEY DRIVE	LC	Loves Creek	26	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	2,025	1	✓	Construction Completed	N/A	N/A
7/25/2013	5817	GREEN VALLEY DRIVE	LC	Loves Creek	26	MH 16		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	10	0.5		N/A	Repair Completed	N/A
2/28/2011	4014	HOLSTON HILLS ROAD	LC	Loves Creek	26	MHs 72 & 875		Heavy rainfall in the area resulted in high flows in the collection system.	295,000	3	✓	Future Construction Planned	N/A	N/A
6/29/2011	4014	HOLSTON HILLS ROAD	LC	Loves Creek	26	MH 72		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Future Construction Planned	N/A	N/A
5/3/10	5816	HOLSTON HILLS ROAD	LC	Loves Creek	26	MH 104-4 and BBU	BBU	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	940	1.5		N/A	Repair Completed/BA	12 Months
31/1/2012	1125	MONTVIEW ROAD	LC	Loves Creek	26	MH 65-131		Blockage - Roots. The sewer main was flushed & area was cleaned.	60	1		N/A	BA	12 Months
2/24/2011	1204	PICKWICK ROAD	LC	Loves Creek	26	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	30	1		N/A	BA/Grease Control	12 Months
11/7/2013	1500	AMHERST ROAD	FC	Fourth Creek	27	MH 22-68		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	200	0.25		N/A	Repair Completed	N/A
6/10/2013	1725	AMHERST ROAD	FC	Fourth Creek	27	Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
5/16/2013	1450	DOWELL SPRINGS BOULEVARD	FC	Fourth Creek	27	MH 24-94		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	0.5		N/A	BA	12 Months
11/23/2011	5525	LONAS DRVIE	FC	Fourth Creek	27	MH 9-21		Blockage - Grease. The sewer main was flushed & area was cleaned.	40	1		N/A	BA/Grease Control	6 Months
2/23/2011	1932	OLD AMHERST ROAD	FC	Fourth Creek	27	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	3,000	4	✓	Construction Completed	BA/Grease Control	12 Months
31/1/2011	1940	OLD AMHERST ROAD	FC	Fourth Creek	27	MH 22-117		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
7/13/2012	914	PINEY GROVE CHURCH ROAD	FC	Fourth Creek	27	MH 49-110		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,800	3		N/A	BA	12 Months
5/8/2013	701	WEST HILLS ROAD	FC	Fourth Creek	27	MH 54		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	400	16		N/A	Repair Completed	N/A
9/17/2013	1017	COX STREET	KUW	Third Creek	28	Broken Gravity Main		Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.	75	1		N/A	Repair Completed	N/A
4/5/2011	4228	CROSBY DRIVE	KUW	Third Creek	28	MH 27-3		Blockage - Roots. The sewer main was flushed & area was cleaned.	75	1		N/A	BA	6 Months
7/31/2013	4604	CROSBY DRIVE	KUW	Third Creek	28	MH 36		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	150	2		N/A	Repair Completed	N/A
7/13/10	4605	CROSBY DRIVE	KUW	Third Creek	28	Lateral Cleanout		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	1450	2		N/A	BA/Grease Control	6 Months
9/10/04	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Blockage - Grease. The sewer main was flushed & area was cleaned.	180	1	✓	Construction Completed	BA/Grease Control	1 Month
9/24/04	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	75	1.25	✓	Construction Completed	BA	1 Month
10/19/04	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	Underground Flow		Blockage - Grease. The sewer main was flushed & area was cleaned.	2805	27	✓	Construction Completed	BA/Grease Control	1 Month
12/9/04	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	2640	22	✓	Construction Completed	BA	1 Month
7/28/08	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	300	1	✓	Construction Completed	Repair Completed	N/A
3/24/2011	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	300	1	✓	Construction Completed	N/A	N/A
10/16/2012	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	35	1	✓	Construction Completed	N/A	N/A
2/4/2013	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	500	1	✓	Construction Completed	N/A	N/A
7/8/2013	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
10/25/10	4509	PAPERMILL DRIVE	KUW	Third Creek	28	MH 31		Blockage - Debris. The sewer main was flushed & area was cleaned.	500	0.5		N/A	BA	6 Months
3/8/10	1904	SANDERSON ROAD	KUW	Third Creek	28	MH 16-27		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	50	1		N/A	Repair Completed/BA	6 Months
4/7/2012	1925	AILOR AVENUE	KUW	Third Creek	29	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	200	1		N/A	BA	12 Months
9/26/2013	2501	AILOR AVENUE	KUW	Third Creek	29	MH 16		Blockage - Debris. The sewer main was flushed & area was cleaned.	5,600	2		N/A	BA	12 Months
9/18/2013	2308	FOREST AVENUE	KUW	Third Creek	29	MH 9-12		Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.	500	2		N/A	Repair Completed	N/A
7/15/10	2201	HIGHLAND AVENUE	KUW	Third Creek	29	MH 9-29		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A	BA	12 Months
6/28/10	2911	JERSEY AVENUE	KUW	Third Creek	29	MH 8-30		Blockage - Roots. The sewer main was flushed & area was cleaned.	3,200	24		Construction Completed	BA	3 Months
12/3/08	3413	KINGSTON PIKE	KUW	Third Creek	29	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	200	10		Construction Completed	N/A	N/A
2/15/2011	3413	KINGSTON PIKE	KUW	Third Creek	29	Temporary Sewer Main		Construction Failure - A failed connection on a temporary system was repaired & the area was cleaned.	25	1		Construction Completed	N/A	N/A
3/7/2012	312	NINETEENTH AVENUE	KUW	Third Creek	29	Floor Drain and BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	35	0.75		N/A	BA	9 Months
9/6/2013	1901	SUTHERLAND AVENUE	KUW	Third Creek	29	MH 23		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	700	2		N/A	BA/Grease Control	12 Months
8/16/10	815	S CENTRAL STREET	KUW	First Creek	30	MH 3-7		Heavy rainfall in the area resulted in high flows in the collection system.	250	0.5		Future Construction Planned	N/A	N/A
2/28/2011	815	S CENTRAL STREET	KUW	First Creek	30	MH 3-7		Heavy rainfall in the area resulted in high flows in the collection system.	100	8		Future Construction Planned	N/A	N/A
3/7/2012	620	W HILL AVENUE	KUW	First Creek	30	Unnamed MH		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	800	8		N/A	Repair Completed	N/A
1/29/2013	900	E HILL AVENUE	KUW	Williams Creek	31	MH 6-62		Blockage - Grease. The sewer main was flushed & area was cleaned.	180	1		N/A	BA/Grease Control	12 Months
4/16/2011	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	1	✓	Future Construction Planned	N/A	N/A
7/7/2011	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Heavy rainfall in the area resulted in high flows in the collection system.	1,000	1	✓	Future Construction Planned	N/A	N/A
9/18/2012	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Heavy rainfall in the area resulted in high flows in the collection system.	200,000	6	✓	Future Construction Planned	N/A	N/A
1/15/2013	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Heavy rainfall in the area resulted in high flows in the collection system.	628,000	28	✓	Future Construction Planned	N/A	N/A
1/30/2013	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Heavy rainfall in the area resulted in high flows in the collection system.	13,100	14	✓	Future Construction Planned	N/A	N/A
9/26/10	906	BATHURST ROAD	FC	Fourth Creek	32	MH 4-23		Blockage - Roots. The sewer main was flushed & area was cleaned.	5	1		Construction Completed	BA	12 Months
9/6/10	8083	KINGSTON PIKE	FC	Fourth Creek	32	MH 9-4		Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	24000	48		N/A	Repair Completed	N/A
3/26/09	6024	BROOKVALE LANE	FC	Fourth Creek	33	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	90	1	✓	Construction Completed	N/A	N/A
3/10/10	6024	BROOKVALE LANE	FC	Fourth Creek	33	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
5/20/10	410	HASTINGS LANE	FC	Fourth Creek	33	MH 32-48		Blockage - Roots. The sewer main was flushed & area was cleaned.	200	1		N/A	BA	6 Months
2/15/2011	6140	KIRBURY LANE	FC	Fourth Creek	33	MH 65-19		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	1		N/A	BA	12 Months
4/14/2011	4418	KINGSTON PIKE	KUW	Third Creek	34	Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	10	2		N/A	Repair Completed	N/A
1/27/10	4611	KINGSTON PIKE	KUW	Third Creek	34	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,000	1		N/A	Repair Completed	N/A
1/6/09	5011	KINGSTON PIKE	KUW	Third Creek	34	MH 58		Heavy rainfall in the area resulted in high flows in the collection system.	5,600	11		Construction Completed	N/A	N/A
4/17/10	5011	KINGSTON PIKE	FC	Fourth Creek	34	MH 58		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	290	1.4		Construction Completed	N/A	N/A
1/1/2011	5011	KINGSTON PIKE	FC	Fourth Creek	34	MH 58		Heavy rainfall in the area resulted in high flows in the collection system.	600	3	✓	Construction Completed	N/A	N/A
9/6/2011	5011	KINGSTON PIKE	KUW	Third Creek	34	MH 58		Blockage - Debris. The sewer main was flushed & area was cleaned.	2,000	5	✓	Construction Completed	BA	6 Months
12/3/10	100	LEBANON STREEET	KUW	Third Creek	34	Private Manhole		Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	40	2		N/A	Repair Completed	N/A
4/16/09	5032	LYONS VIEW PIKE	KUW	Third Creek	34	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	510	6.5		N/A	Repair Completed	N/A
1/3/2012	4534	OLD KINGSTON PIKE	KUW	Third Creek	34	Bypass System		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	50	0.1	✓	Construction Completed	Repair Completed	N/A
4/30/10	6712	DEANE HILL DRIVE	FC	Fourth Creek	36	MH 3-176		Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	4320	1		N/A	Repair Completed	N/A
11/5/2011	846	HANSMORE PLACE	FC	Fourth Creek	36	MH 3-325		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	3		N/A	BA	12 Months
10/15/2013	1221	MILAM CIRCLE	FC	Fourth Creek	36	MH 12-3		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	7,500	8		N/A	Repair Completed	N/A
10/16/09	7100	ROTHERWOOD DRIVE	FC	Fourth Creek	36	MH 33		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	700	1.5	✓	Construction Completed	N/A	N/A
1/25/10	7100	ROTHERWOOD DRIVE	FC	Fourth Creek	36	MHs 32, 33, 34 & 36		Heavy rainfall in the area resulted in high flows in the collection system.	41575	36	✓	Construction Completed	N/A	N/A
2/5/10	7104	ROTHERWOOD DRIVE	FC	Fourth Creek	36	MH 34		Heavy rainfall in the area resulted in high flows in the collection system.	51015	71	✓	Construction Completed	N/A	N/A
4/29/2011	6928	WESTLAND DRIVE	FC	Fourth Creek	36	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	57,000	2		N/A	Repair Completed	N/A
9/6/2013	1108	WHITOWER DRIVE	FC	Fourth Creek	36	Subsurface		Broken System - Sewer Main Collapse. The sewer main is repaired and the area was cleaned.	120	2		N/A	Repair Completed	N/A
1/11/2013	1705	COTTAGEWOOD WAY	FC	Fourth Creek	37	Lateral		Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	15	6		N/A	Repair Completed	N/A
8/27/10	1700	EVENING SHADE LANE	FC	Fourth Creek	37	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	10	3		N/A	Repair Completed	N/A
3/17/02	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	1,916,000	2	✓	N/A	Repair Completed	N/A
3/18/02	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	134,000	0.13	✓	Construction Underway	N/A	N/A
4/19/02	1500	LYONS BEND ROAD	FC	Fourth Creek	37	M								

2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
2/15/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	136,000	2	✓	Construction Underway	N/A	N/A
2/16/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	871,000	6	✓	Construction Underway	N/A	N/A
5/6/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	26,710	8.5	✓	Construction Underway	N/A	N/A
5/15/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	1,500,000	3	✓	Construction Underway	N/A	N/A
7/9/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	1,370,000	3.14	✓	Construction Underway	N/A	N/A
12/11/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	48,650	0.33	✓	N/A	Repair Completed	N/A
6/17/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	Primary Clarifiers 3, 4, 5 & 6		Heavy rainfall in the area resulted in high flows in the collection system.	2000	0.58		Construction Underway	N/A	N/A
9/22/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Mechanical Failure. Plant was reinstated.	102,483	0.5	✓	N/A	Repair Completed	N/A
11/24/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	250	0.007	✓	Construction Underway	N/A	N/A
12/9/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	Aeration Splitter Box		Heavy rainfall in the area resulted in high flows in the collection system.	29,123	2.67		Construction Underway	N/A	N/A
12/9/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	113,590	1.83	✓	Construction Underway	N/A	N/A
3/28/05	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	50,410	2	✓	Construction Underway	N/A	N/A
9/23/06	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	489000	2.88		Construction Underway	N/A	N/A
6/7/07	1500	LYONS BEND ROAD	FC	Fourth Creek	37	Leaking Valve		Broken System - Sludge Line Valve Failure. The valve was replaced & the area cleaned.	25	0.58		N/A	Repair Completed	N/A
9/26/09	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	40,000	0.06		Construction Underway	N/A	N/A
12/9/09	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	480,000	0.45	✓	N/A	Repair Completed	N/A
1/24/10	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1 & MLSS Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	74000	1.62		Construction Underway	N/A	N/A
12/1/10	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1840000	11.5		Construction Underway	N/A	N/A
1/11/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1 & MLSS Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	380,000	2.82	✓	Construction Underway	N/A	N/A
2/28/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MLSS		Heavy rainfall in the area resulted in high flows in the collection system.	590,000	5.75	✓	Construction Underway	N/A	N/A
3/9/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	160,000	2.38	✓	Construction Underway	N/A	N/A
4/16/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	350,000	2.82	✓	Construction Underway	N/A	N/A
4/28/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	680,000	5.82	✓	Construction Underway	N/A	N/A
9/5/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,240,000	17.35	✓	Construction Underway	N/A	N/A
11/28/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	398,650	6.42	✓	Construction Underway	N/A	N/A
1/23/2012	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	40,000	0.08	✓	Construction Underway	N/A	N/A
3/7/2012	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	97,300	0.45	✓	N/A	Repair Completed	N/A
9/18/2012	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1,823,600	8.5	✓	N/A	Repair Completed	N/A
1/15/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	4,285,300	36.26	✓	Construction Underway	N/A	N/A
1/30/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	905,700	9.17	✓	Construction Underway	N/A	N/A
4/28/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1 & Influent Pump Room		Electrical Failure - WWTP. Electricity was restored and the area was cleaned.	1,660,879	5.18	✓	N/A	Repair Completed	N/A
7/7/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,732,500	8.75	✓	Construction Underway	N/A	N/A
9/22/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Electrical Failure - WWTP. Electricity was restored.	227,000	0.93	✓	Construction Underway	N/A	N/A
10/8/2012	5032	LYONS VIEW PIKE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	4	1.5	✓	N/A	Repair Completed	N/A
11/30/2012	5032	LYONS VIEW PIKE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1.5	✓	N/A	Repair Completed	N/A
11/8/2013	5032	LYONS VIEW PIKE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	2	✓	N/A	Repair Completed	N/A
4/29/2011	1704	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.25		N/A	Repair Completed	N/A
1/18/10	1712	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
3/12/2011	1712	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
3/13/2011	1716	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
6/24/2011	1722	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.08		N/A	Repair Completed	N/A
5/9/2011	1728	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
9/25/06	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	304380	6		Construction Completed	N/A	N/A
2/19/10	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Completed	N/A	N/A
3/17/2011	6410	S NORTHSHORE DRIVE	KUW	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
4/16/2011	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	19,000	5	✓	Construction Completed	N/A	N/A
4/28/2011	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	8,700	1	✓	Construction Completed	N/A	N/A
9/6/2011	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	13,000	1	✓	Construction Completed	N/A	N/A
9/18/2012	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	40,000	2	✓	Construction Completed	N/A	N/A
1/16/2013	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	5,800	4	✓	Construction Completed	N/A	N/A
7/10/2013	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
3/7/2011	4420	ALTA VISTA WAY	KUW	Third Creek	38	Broken Gravity Main		Blockage - Debris. The sewer main was flushed & area was cleaned.	13,000	2		N/A	BA	12 Months
12/4/2011	520	CHEROKEE BOULEVARD	KUW	Third Creek	38	Broken Gravity Main		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	3,500	1		N/A	BA	12 Months
5/25/2011	1917	CHEROKEE BOULEVARD	KUW	Third Creek	38	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
5/2/2011	3604	HILLVALE CIRCLE	KUW	Third Creek	38	MH 1-115		Heavy rainfall in the area resulted in high flows in the collection system.	100	6		Construction Completed	N/A	N/A
4/18/2013	1212	KENESAW AVENUE	KUW	Third Creek	38	MH 24-168		Blockage - Debris. The sewer main was flushed & area was cleaned.	30	1		N/A	BA	6 Months
3/13/2012	929	KEOWEE AVENUE	KUW	Third Creek	38	Broken Gravity Main		Construction Failure by Customer - Dig-In. A section sewer main was repaired & the area was cleaned.	900	24		N/A	Repair Completed	N/A
10/4/2013	3547	TALAH DRIVE	KUW	Third Creek	38	MH 13-54		Blockage - Debris. The sewer main was flushed & area was cleaned.	180	2		N/A	BA	12 Months
5/10/09	3560	TALAH DRIVE	KUW	Third Creek	38	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	140	1		N/A	BA	12 Months
5/10/2012	3560	TALAH DRIVE	KUW	Third Creek	38	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	400	3		N/A	BA	9 Months
1/31/2011	4216	VALENCIA ROAD	KUW	Third Creek	38	MH 49-9		Blockage - Roots. The sewer main was flushed & area was cleaned.	65	2		N/A	BA	6 Months
10/24/2013	3847	WILANI ROAD	KUW	Third Creek	38	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	20	0.17		N/A	BA	12 Months
1/14/2013	3704	CHAPMAN HIGHWAY	KUW	South Knoxville	39	MHs 28-53 & 28-54		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	510	1		N/A	Repair Completed	N/A
9/17/2012	4600	CHAPMAN HIGHWAY	KUW	South Knoxville	39	MHs 81 & 82		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	4,900	6		N/A	Repair Completed	N/A
3/8/03	4411	CYPRESS LANE	KUW	South Knoxville	39	MH 62-21		Blockage - Roots. The sewer main was flushed & area was cleaned.	1440	8		N/A	BA	12 Months
4/21/06	4411	CYPRESS LANE	KUW	South Knoxville	39	MH 62-21		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	225	3		N/A	BA	3 Months
2/28/2011	113	DRINNEN AVENUE	KUW	South Knoxville	39	MHs 28-26 & 28-27		Heavy rainfall in the area resulted in high flows in the collection system.	600	2		Construction Completed	N/A	N/A
10/28/2012	4500	E END ROAD	KUW	South Knoxville	39	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	20	1		N/A	BA	12 Months
2/16/2011	512	FLENNWOOD WAY	KUW	South Knoxville	39	MH 61		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	3,200	3		N/A	BA/Grease Control	6 Months
3/19/2011	123	INGERSOLL AVENUE	KUW	South Knoxville	39	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	12	1		N/A	BA	6 Months
6/12/2013	4714	JULIAN STREET	KUW	South Knoxville	39	MH 40-28		Blockage - Debris. The sewer main was flushed & area was cleaned.	1,500	3		N/A	BA	6 Months
7/22/2012	3616	KEITH AVENUE	KUW	Third Creek	39	MH 15-145		Blockage - Debris. The sewer main was flushed & area was cleaned.	50	1		N/A	BA	6 Months
7/7/2013	438	MARYVILLE PIKE	KUW	South Knoxville	39	MHs 27-2 & 27-3		Heavy rainfall in the area resulted in high flows in the collection system.	800	1		Construction Completed	N/A	N/A
3/29/2011	702	REDWINE STREET	KUW	South Knoxville	39	MH 5		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	100	0.25		N/A	Repair Completed	N/A
10/20/09	850	TALLY HO DRIVE	KUW	South Knoxville	39	MH 62-21		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,870	2		N/A	BA	6 Months
2/17/2011	850	TALLY HO DRIVE	KUW	South Knoxville	39	MH 62-21		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	150	1		N/A	BA/Grease Control	9 Months
7/5/10	3808	W BLOUNT AVENUE	KUW	South Knoxville	39	Broken Sewer Lateral		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	13000	24		N/A	Repair Completed	N/A
11/28/2011	2110	ATCHLEY STREET	KUW	South Knoxville	40	MH 1-80		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	100	2		N/A	Repair Completed	N/A
1/7/2013	1000	BAKER AVENUE	KUW	South Knoxville	40	MH 40-7		Blockage - Roots. The sewer main was flushed & area was cleaned.	450	1		N/A	BA	6 Months
10/26/2013	1216	BAKER AVENUE	KUW	South Knoxville	40	Lateral Cleanout and BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.	10	0.25		N/A	BA/Grease Control	6 Months
9/10/2012	423	BUSBEE ROAD	KUW	South Knoxville	40	MH 47-94		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	25	2		N/A	Repair Completed	N/A
2/28/2011	1127	E MOODY AVENUE	KUW	South Knoxville	40	MH 40-3		Heavy rainfall in the area resulted in high flows in the collection system.	600	2		Construction Completed	N/A	N/A
6/17/04	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	4675	4	✓	Construction Completed	N/A	N/A
6/25/04	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1080	2	✓	Construction Completed	N/A	N/A
7/27/04	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1440	4	✓	Construction Completed	N/A	N/A
12/9/04	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	85,170	41.75	✓	Construction Completed	N/A	N/A
9/23/06	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	8640	6	✓	Construction Completed	N/A	N/A
11/1/06	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	720	4	✓	Construction Completed	N/A	N/A
12/10/08	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1,100	4		Construction Completed	N/A	N/A
1/6/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	7,400	14.5	✓	Construction Completed	N/A	N/A
5/8/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	540	1.5	✓	Construction Completed	N/A	N/A
6/17/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	51,771	3	✓	Construction Completed	N/A	N/A
7/13/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	254	1	✓	Construction Completed	N/A	N/A

2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
7/28/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	180	1	✓	Construction Completed	N/A	N/A
7/31/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 40		Heavy rainfall in the area resulted in high flows in the collection system.	40	0.5	✓	Construction Completed	N/A	N/A
9/26/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 40		Heavy rainfall in the area resulted in high flows in the collection system.	1,780	3	✓	Construction Completed	N/A	N/A
1/25/10	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
5/3/10	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	750	5	✓	Construction Completed	N/A	N/A
4/4/05	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47-1		Heavy rainfall in the area resulted in high flows in the collection system.	1,200	4	✓	Construction Completed	N/A	N/A
5/24/05	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	60	1	✓	Construction Completed	N/A	N/A
9/23/06	3741	EAKERS STREET	KUW	South Knoxville	40	MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	10560	8		Construction Completed	N/A	N/A
8/6/09	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	224	0.5	✓	Construction Completed	N/A	N/A
9/26/09	3741	EAKERS STREET	KUW	South Knoxville	40	MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	1,900	3	✓	Construction Completed	N/A	N/A
1/25/10	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
5/3/10	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	450	2.5	✓	Construction Completed	N/A	N/A
12/1/10	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	1500	3		Construction Completed	N/A	N/A
3/1/2011	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	67,500	3	✓	Construction Completed	N/A	N/A
4/16/2011	3741	EAKERS STREET	KUW	South Knoxville	40	MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	1,900	1	✓	Construction Completed	N/A	N/A
4/28/2011	3741	EAKERS STREET	KUW	South Knoxville	40	MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
1/24/2012	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
9/18/2012	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	3	✓	Construction Completed	N/A	N/A
3/7/2011	243	GILBERT LANE	KUW	South Knoxville	40	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	5,000	2		N/A	BA/Grease Control	6 Months
1/24/2011	500	MIMOSA AVENUE	KUW	South Knoxville	40	MH 1-85		Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	10,000	5		N/A	Repair Completed	N/A
5/16/2013	2327	SOUTH HAVEN ROAD	KUW	South Knoxville	40	MH 24-27		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		N/A	Repair Completed	N/A
7/7/2013	2327	SOUTH HAVEN ROAD	KUW	South Knoxville	40	MH 24-27		Heavy rainfall in the area resulted in high flows in the collection system.	500	1		N/A	Repair Completed	N/A
10/12/2012	521	TALIWA DRIVE	KUW	South Knoxville	40	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	3		N/A	Repair Completed	N/A
2/16/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	180	2	✓	Construction Completed	N/A	N/A
3/13/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	600	0.5	✓	Construction Completed	N/A	N/A
3/20/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	600	0.34	✓	Construction Completed	N/A	N/A
3/30/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	9000	3	✓	Construction Completed	N/A	N/A
3/31/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	1500	0.5	✓	Construction Completed	N/A	N/A
5/7/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	2100	2	✓	Construction Completed	N/A	N/A
12/30/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Construction Failure - Sewer Main Flushing. The area was cleaned.	30	0.17	✓	Construction Completed	N/A	N/A
2/6/04	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	54,000	9	✓	Construction Completed	N/A	N/A
3/6/04	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	3000	1	✓	Construction Completed	N/A	N/A
6/25/04	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	11,520	4	✓	Construction Completed	N/A	N/A
9/23/06	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	9000	5		Construction Completed	N/A	N/A
9/24/07	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Broken Force Main		Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	4,500	1.5		Construction Completed	Repair Completed	N/A
1/6/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	60,000	10	✓	Construction Completed	N/A	N/A
8/24/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	100	0.17	✓	Construction Completed	N/A	N/A
9/23/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	14,400	8	✓	Construction Completed	N/A	N/A
9/26/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	6,000	2	✓	Construction Completed	N/A	N/A
9/27/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	1,800	1	✓	Construction Completed	N/A	N/A
6/17/2011	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	200	0.16		Construction Completed	N/A	N/A
9/18/2012	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	97,500	2.5		Construction Completed	N/A	N/A
7/13/2011	719	E LAKE FOREST DRIVE	KUW	Knob Creek	41	Lateral Cleanout and BBU	BBU	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	225	0.083		N/A	Repair Completed	N/A
2/8/2012	736	GREENMEADOWS DRIVE	KUW	Knob Creek	41	MH 24-1		Blockage - Grease. The sewer main was flushed & area was cleaned.	250	8		N/A	BA/Grease Control	12 Months
1/16/2013	201	HERMITAGE DRIVE	KUW	Knob Creek	41	MH 66-69		Heavy rainfall in the area resulted in high flows in the collection system.	1,225	19		Future Construction Planned	N/A	N/A
10/10/2013	5227	MCNUTT ROAD	KUW	Knob Creek	41	MH 95		Blockage - Debris. The sewer main was flushed & area was cleaned.	180	2		Construction Underway	BA	12 Months
8/3/2011	5910	MEADOW OAKS LANE	KUW	Knob Creek	41	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	1,000	1		N/A	Repair Completed	N/A
9/12/10	5915	NEUBERT SPRINGS ROAD	KUW	Knob Creek	41	Unnamed MH at Facility		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	294000	3.5	✓	Construction Completed	N/A	N/A
1/7/2011	5915	NEUBERT SPRINGS ROAD	KUW	Knob Creek	41	Unnamed MH at Facility		Heavy rainfall in the area resulted in high flows in the collection system.	224,000	4.4	✓	Construction Completed	N/A	N/A
9/18/2012	5915	NEUBERT SPRINGS ROAD	KUW	Knob Creek	41	MH 18-1		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	90,000	3		N/A	Repair Completed	N/A
1/16/2013	6016	NEUBERT SPRINGS ROAD	EB	Knob Creek	41	MH 19		Heavy rainfall in the area resulted in high flows in the collection system.	10,000	53		Construction Completed	N/A	N/A
8/9/10	6401	OLD VALLEY ROAD	KUW	South Knoxville	41	MH 67-3		Blockage - Debris. The sewer main was flushed & area was cleaned.	35	3		N/A	BA	6 Months
3/7/2013	217	STRATFORD ROAD	KUW	Knob Creek	41	MH 66-14		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,500	1		N/A	Repair Completed	N/A
1/29/2012	612	VIEW PARK DRIVE	KUW	Knob Creek	41	MH 97-44		Blockage - Roots. The sewer main was flushed & area was cleaned.	25	3		N/A	BA	6 Months
2/4/09	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Leaking ARV		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	225	1	✓	Construction Completed	N/A	N/A
7/22/09	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	37	1	✓	Construction Completed	N/A	N/A
2/12/10	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	4130	1.5		Construction Completed	N/A	N/A
1/15/2012	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Force Main Valve		Broken System - Force Main Valve Leak. The valve was repaired & the area was cleaned.	1,800	2.5		N/A	Repair Completed	N/A
3/19/10	5218	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	22	3		N/A	Repair Completed	N/A
3/31/2012	5218	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.5		N/A	Repair Completed	N/A
3/24/08	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	15	1		N/A	Repair Completed	N/A
9/19/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	103	1	✓	N/A	Repair Completed	N/A
9/25/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.33	✓	N/A	Repair Completed	N/A
11/8/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	4	1	✓	N/A	Repair Completed	N/A
1/16/2013	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder pump and BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	✓	N/A	Repair Completed	N/A
1/25/2011	5235	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Broken Gravity Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	10	1		N/A	Repair Completed	N/A
4/3/10	5236	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	3		N/A	Repair Completed	N/A
9/13/03	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	Unknown	Unknown		N/A	Repair Completed	N/A
3/10/05	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	5		N/A	Repair Completed	N/A
7/4/08	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	4		N/A	Repair Completed	N/A
7/23/2011	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
9/9/03	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	30	4		N/A	Repair Completed	N/A
11/30/04	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	2		N/A	Repair Completed	N/A
6/12/08	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	3		N/A	Repair Completed	N/A
8/4/08	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	29	2.33		N/A	Repair Completed	N/A
4/10/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	3	✓	N/A	Repair Completed	N/A
5/6/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	3	✓	N/A	Repair Completed	N/A
6/18/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	11	3	✓	N/A	Repair Completed	N/A
12/1/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	2	1	✓	N/A	Repair Completed	N/A
9/9/2011	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	8	2	✓	N/A	Repair Completed	N/A
8/24/2011	5247	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
10/22/2012	5253	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	2	1		N/A	Repair Completed	N/A
8/30/10	5307	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	15	1	✓	N/A	Repair Completed	N/A
11/17/10	5307	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	2.5	✓	N/A	Repair Completed	N/A
12/13/10	5332	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	4		N/A	Repair Completed	N/A
10/28/2013	5339	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.5		N/A	Repair Completed	N/A
12/24/2011	5347	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
1/1/2012	5355	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	15	2		N/A	Repair Completed	N/A
5/11/2011	5356	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
2/28/2012	5356	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1.5	✓	N/A	Repair Completed	N/A
7/25/10	5363	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	200	4		N/A	Repair Completed	N/A
3/30/2012	5363	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.75		N/A	Repair Completed	N/A
7/10/2013	2110	COVE VIEW WAY	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	15	0.5		N/A	Repair Completed	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
10/9/2013	1500	LYONS BEND ROAD	FC	Fourth Creek	43	HRC Pump		Construction Failure - Pump Testing Process Failure. The process was reinstated and the area was cleaned.	115	0.25		N/A	Repair Completed	N/A
10/3/2011	1915	LYONS BEND ROAD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	0.5		N/A	Repair Completed	N/A
11/26/2011	2520	WOODLAND RESERVE LANE	FC	Fourth Creek	43	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	200	2		N/A	Repair Completed	N/A
3/18/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	3000	10	✓	Construction Completed	N/A	N/A
5/3/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	900	1	✓	Construction Completed	N/A	N/A
9/21/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	28,800	12	✓	Construction Completed	N/A	N/A
10/4/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	6000	1	✓	Construction Completed	Repair Completed	12 Months
2/14/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	16,500	22	✓	Construction Completed	N/A	N/A
2/22/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	10,500	70	✓	Construction Completed	N/A	N/A
4/10/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	510	4.25	✓	Construction Completed	N/A	N/A
5/5/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	3300	550	✓	Construction Completed	N/A	N/A
5/11/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	300	1.5	✓	Construction Completed	N/A	N/A
5/31/04	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	2400	1		Construction Completed	N/A	N/A
8/4/06	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	500	1		Construction Completed	Repair Completed	N/A
2/18/09	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	190	0.25		Construction Completed	N/A	N/A
11/30/10	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	2150	3		Construction Completed	N/A	N/A
8/3/10	2636	MARYVILLE PIKE	KUW	South Knoxville	45	MH 10-2		Vandalism - Bypass Pump Vandalized. Pump was repaired & the area was cleaned.	60	0.15		N/A	Repair Completed	N/A
8/3/10	2641	MARYVILLE PIKE	KUW	Knob Creek	45	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	4		N/A	Repair Completed	N/A
4/4/2011	2641	MARYVILLE PIKE	KUW	Knob Creek	45	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
2/23/2012	2715	MARYVILLE PIKE	KUW	Knob Creek	45	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	60	1		N/A	Repair Completed	N/A
3/11/2013	4917	BALL ROAD	FC	Fourth Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	3,400	3		N/A	Repair Completed	N/A
11/5/2012	4923	BALL ROAD	FC	Fourth Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	28,500	8	✓	N/A	Repair Completed	N/A
3/15/2013	4923	BALL ROAD	FC	Fourth Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	2,700	2	✓	N/A	Repair Completed	N/A
4/4/06	5105	BALL ROAD	FC	Fourth Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	442400	252		N/A	Repair Completed	N/A
4/17/10	5105	BALL ROAD	KUW	Third Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	72675	2		N/A	Repair Completed	N/A
4/9/2012	5603	SUMMER GROVE LANE	FC	Fourth Creek	49	MH 19-63		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A	BA	12 Months
1/25/10	6621	CLINTON HIGHWAY	KUW	Third Creek	50	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	190	2		N/A	Repair Completed	N/A
7/29/2013	5277	N NATIONAL DRIVE	KUW	Riverdale	60	MH 30-3		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	150	1		N/A	Repair Completed	N/A
3/2/2011	781	BAGWELL ROAD	LC	Loves Creek	63	Pump Station		Heavy rainfall in the area resulted in high flows in the collection system.	576,000	12		N/A	Repair Completed	N/A
7/9/2012	781	BAGWELL ROAD	LC	Loves Creek	63	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	125	2		N/A	Repair Completed	N/A
3/2/2011	3011	E GOV JOHN SEVIER HIGHWAY	KUW	Riverdale	65	Pump Station		Heavy rainfall in the area resulted in high flows in the collection system.	21,600	3		Construction Completed	N/A	N/A
7/10/2013	1815	WAYLAND ROAD	LC	Loves Creek	67	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
3/9/2012	8537	ASHEVILLE HIGHWAY	EB	Eastbridge	72	MH 21-16		Blockage - Debris. The sewer main was flushed & area was cleaned.	400	2		N/A	BA	12 Months
4/9/10	8630	ASHEVILLE HIGHWAY	EB	Eastbridge	72	Private Property/BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	950	15		N/A	BA	12 Months
11/5/2012	8455	STRAWBERRY PLAINS PIKE	EB	Eastbridge	72	Broken Force Main		Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	460	4		N/A	Repair Completed	N/A
9/24/2013	5803	MILLERTOWN PIKE	LC	Loves Creek	105	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
3/26/09	1925	ROSEWOOD ROAD	LC	Loves Creek	105	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1.5		N/A	Repair Completed	N/A
9/1/2011	6235	RUTLEDGE PIKE	LC	Loves Creek	105	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	1		N/A	Repair Completed	N/A
3/12/2012	1711	TRANSPORT WAY	LC	Loves Creek	105	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	0.25		N/A	Repair Completed	N/A
7/1/09	2304	WOODS CREEK ROAD	LC	Loves Creek	105	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	50	1		N/A	Repair Completed	N/A
4/7/2012	2304	WOODS CREEK ROAD	LC	Loves Creek	105	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
8/24/2013	2304	WOODS CREEK ROAD	LC	Loves Creek	105	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	1		N/A	Repair Completed	N/A
2/28/2011	4800	MALONEVILLE ROAD	EB	Eastbridge	109	Bar Screen		Heavy rainfall in the area resulted in high flows in the collection system.	3,750	1.25		Construction Completed	BA	3 months
7/3/2012	4800	MALONEVILLE ROAD	EB	Eastbridge	109	Wetwell		Blockage - Debris. The sewer main was flushed & area was cleaned.	1,800	1	✓	Construction Completed	N/A	N/A
7/9/2012	4800	MALONEVILLE ROAD	EB	Eastbridge	109	Wetwell		Blockage - Debris. The sewer main was flushed & area was cleaned.	50	1	✓	Construction Completed	N/A	N/A
2/2/2012	7218	WASHINGTON PIKE	EB	Eastbridge	109	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	1.5		N/A	Repair Completed	N/A
6/7/06	8530	CROSSWIND LANDING LANE	EB	Eastbridge	110	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	150	0.5		N/A	Repair Completed	N/A
7/28/10	8530	CROSSWIND LANDING LANE	EB	Eastbridge	110	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	3000	5		N/A	Repair Completed	N/A
6/10/10	6310	ROBERTS ROAD	EB	Eastbridge	111	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	150	1		N/A	Repair Completed	N/A
1/27/2011	3914	ROBERTS ROAD	EB	Eastbridge	113	Abandoned Air Release Valve		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	375	2		N/A	Repair Completed	N/A
6/12/09	4300	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	1		N/A	Repair Completed	N/A
9/14/2012	4300	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	2		N/A	Repair Completed	N/A
6/11/2011	4304	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	✓	N/A	Repair Completed	N/A
10/1/2011	4304	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	0.5	✓	N/A	Repair Completed	N/A
10/17/2011	4304	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	0.25	✓	N/A	Repair Completed	N/A
11/24/2012	7920	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.5	✓	N/A	Repair Completed	N/A
1/23/2013	7920	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1	✓	N/A	Repair Completed	N/A
1/13/2013	7939	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1	✓	N/A	Repair Completed	N/A
4/26/2013	7939	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	✓	N/A	Repair Completed	N/A
6/7/2013	7939	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	3	1.5	✓	N/A	Repair Completed	N/A
8/17/2012	8035	WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
2/10/2013	1521	SAYLORS FORD ROAD	EB	Eastbridge	115	Eastbridge Wastewater Treatment Plant		WWTP - Mechanical Failure. Plant was reinstated.	435	0.75		N/A	Repair Completed	N/A
11/2/2013	508	BROOME RD	FC	Fourth Creek	32A	MH 15-6		Blockage - Roots. The sewer main was flushed & area was cleaned.	70	2		N/A	BA	12 Months
5/6/2013	2722	CHUKAR ROAD	FC	Fourth Creek	32A	MH 65-11		Blockage - Debris. The sewer main was flushed & area was cleaned.	5,500	2		N/A	BA	6 Months
3/7/2011	6540	CREEKHEAD DRIVE	FC	Fourth Creek	32A	MH 49-4		Blockage - Debris. The sewer main was flushed & area was cleaned.	12,200	1	✓	N/A	BA	12 Months
3/19/10	6549	CREEKHEAD DRIVE	FC	Fourth Creek	32A	MH 49-2		Blockage - Debris. The sewer main was flushed & area was cleaned.	2,030	0.5	✓	N/A	BA	12 Months
6/12/2013	6549	CREEKHEAD DRIVE	FC	Fourth Creek	32A	MH 49-3		Vandalism. Blockage was removed & the area was cleaned.	3,000	2		N/A	Repair Completed	N/A
8/22/2011	1134	FERD HICKEY ROAD	FC	Fourth Creek	32A	MH 30-39		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,000	2		N/A	BA	12 Months
3/12/2011	1218	GLADE HILL DRIVE	LC	Loves Creek	32A	MHs 30-50 & 30-52		Blockage - Grease. The sewer main was flushed & area was cleaned.	670	2.5		N/A	BA/Grease Control	12 Months
10/3/02	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1200	2	✓	Construction Completed	N/A	N/A
12/5/02	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	18,000	12	✓	Construction Completed	N/A	N/A
2/27/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1890	21	✓	Construction Completed	N/A	N/A
5/6/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	49,875	66.5	✓	Construction Completed	N/A	N/A
7/2/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	14,440	24	✓	Construction Completed	N/A	N/A
11/6/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	3600	4	✓	Construction Completed	N/A	N/A
11/19/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1920	8	✓	Construction Completed	N/A	N/A
2/6/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	6050	23.5	✓	Construction Completed	N/A	N/A
3/6/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1680	3.5	✓	Construction Completed	N/A	N/A
6/27/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	240	4	✓	Construction Completed	N/A	N/A
9/17/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	31,680	22	✓	Construction Completed	N/A	N/A
11/24/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	6480	12	✓	Construction Completed	N/A	N/A
12/1/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	20,160	14	✓	Construction Completed	N/A	N/A
12/7/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	390,240	24	✓	Construction Completed	N/A	N/A
12/9/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	189,000	70	✓	Construction Completed	N/A	N/A
2/21/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	260000	20	✓	Construction Completed	N/A	N/A
4/2/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	7,200	20	✓	Construction Completed	N/A	N/A
4/13/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	247,880	43	✓	Construction Completed	N/A	N/A
5/20/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	5,610	2.75	✓	Construction Completed	N/A	N/A
7/19/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1,037	3	✓	Construction Completed	N/A	N/A
4/8/06	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	38148	17	✓	Construction Completed	N/A	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
4/24/06	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	14890	6	✓	Construction Completed	N/A	N/A
9/24/06	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	3310000	5	✓	Construction Completed	N/A	N/A
1/7/09	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	105,000	26	✓	Construction Completed	N/A	N/A
1/25/10	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	95580	9	✓	Construction Completed	N/A	N/A
3/1/2011	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	2	✓	Future Construction Planned	N/A	N/A
3/10/2011	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	468,000	39	✓	Future Construction Planned	N/A	N/A
4/16/2011	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	264,000	22	✓	Future Construction Planned	N/A	N/A
4/28/2011	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	36,000	3	✓	Future Construction Planned	N/A	N/A
1/15/2013	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	11,324,000	116	✓	Future Construction Planned	N/A	N/A
1/31/2013	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	570,700	9	✓	Future Construction Planned	N/A	N/A
7/7/2013	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	540,000	24	✓	Future Construction Planned	N/A	N/A
12/9/2013	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		WW Storage Facility - Mechanical Failure. The facility was repaired & the area was cleaned.	59,000	3.25	✓	Future Construction Planned	N/A	N/A
3/28/2013	1224	PARK HILL CIRCLE	FC	Fourth Creek	32A	MH 30-52		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,000	1		N/A	BA	12 Months
11/6/2011	1708	PINETREE LANE	FC	Fourth Creek	32A	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	62,000	72 Intermittently		N/A	BA/Grease Control	12 Months
3/18/10	5732	TENNYSON DRIVE	FC	Fourth Creek	32A	MH 49-182		Blockage - Debris. The sewer main was flushed & area was cleaned.	20,825	168 Intermittently		N/A	BA	6 Months
3/1/2011	7927	W CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-12		Blockage - Debris. The sewer main was flushed & area was cleaned.	50	1		N/A	BA	6 Months
4/6/2011	8105	W CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-18		Blockage - Roots. The sewer main was flushed & area was cleaned.	400	2.5		N/A	BA	6 Months
4/28/2012	6532	WESTSIDE DRIVE	FC	Fourth Creek	32A	MH 49-5		Vandalism. Blockage was removed & the area was cleaned.	66,000	5	✓	N/A	Repair Completed	N/A
1/17/2013	6532	WESTSIDE DRIVE	FC	Fourth Creek	32A	MH 49-5		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Future Construction Planned	N/A	N/A
2/10/10	800	BENNETT PLACE	FC	Fourth Creek	32B	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	45900	72	✓	Construction Completed	Repair Completed	N/A
8/26/10	800	BENNETT PLACE	FC	Fourth Creek	32B	Broken Gravity Main		Blockage - Debris. The sewer main was flushed & area was cleaned.	7750	24	✓	Construction Completed	Repair Completed	N/A
4/11/2013	900	CARRINGTON ROAD	FC	Fourth Creek	32B	MH 4-92		Blockage - Roots. The sewer main was flushed & area was cleaned.	40	1		N/A	BA	12 Months
11/2/2011	409	N WINSTON ROAD	FC	Fourth Creek	32B	MH17-1		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	2		N/A	Repair Completed	N/A
10/16/2013	409	N WINSTON ROAD	FC	Fourth Creek	32B	Lateral Cleanout and BBU	BBU	Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	300	2		N/A	Repair Completed	N/A
12/31/06	2004	NEYLAND DRIVE	KUW	Third Creek	35A	MH 1		WWTP - Mechanical Failure. Plant was reinstated.	160000	0.33		Future Construction Planned	N/A	N/A
9/26/09	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	250,000	0.26	✓	Future Construction Planned	N/A	N/A
12/9/09	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		WWTP - Electrical Failure. Electricity was restored.	3,300,000	0.87		Future Construction Planned	Repair Completed	N/A
3/23/10	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		WWTP - Electrical Failure. Electricity was restored.	50000	0.05		Future Construction Planned	N/A	N/A
2/28/2011	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	360,000	0.5	✓	Future Construction Planned	N/A	N/A
4/16/2011	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	20,000	0.18	✓	Future Construction Planned	N/A	N/A
9/18/2012	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	100,000	0.25	✓	Future Construction Planned	N/A	N/A
1/15/2013	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	18,440,000	19.83	✓	Future Construction Planned	N/A	N/A
12/13/2011	1300	ALCOA HIGHWAY	KUW	Third Creek	35B	MH 18-3		Blockage - Debris. The sewer main was flushed & area was cleaned.	650	1		N/A	BA	12 Months
5/8/09	2305	CLINCH AVENUE	KUW	Third Creek	35B	MH 23-27		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	180	1		N/A	Repair Completed	N/A
6/26/09	2305	CLINCH AVENUE	KUW	Third Creek	35B	MH 39		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	2,328	0.0166		N/A	Repair Completed	N/A
6/6/2011	2305	CLINCH AVENUE	KUW	Third Creek	35B	MH 39		Blockage - Debris. The sewer main was flushed & area was cleaned.	750	1		N/A	BA	12 Months
7/20/2011	1912	CUMBERLAND AVENUE	KUW	Third Creek	35B	Lateral Cleanout		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	150	4		N/A	Repair Completed	N/A
5/3/2012	2010	CUMBERLAND AVENUE	KUW	Third Creek	35B	Unconnected Lateral		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	50	1.5		N/A	Repair Completed	N/A
5/10/2011	2524	JACOB DRIVE	KUW	Third Creek	35B	MH 4-9		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	2,000	2		N/A	Repair Completed	N/A
2/28/2011	2640	MORGAN CIRCLE	KUW	Third Creek	35B	MH 4-19		Heavy rainfall in the area resulted in high flows in the collection system.	1,500	3		Future Construction Planned	N/A	N/A
3/17/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
6/6/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		WWTP - Electrical Failure. Electricity was restored.	38,000	0.25	✓	Future Construction Planned	N/A	N/A
7/30/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		WWTP - Electrical Failure. Electricity was restored.	10,000	0.07	✓	Future Construction Planned	N/A	N/A
9/21/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,660,000	2.18	✓	Future Construction Planned	N/A	N/A
9/22/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,300,000	1	✓	Future Construction Planned	N/A	N/A
9/22/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	5,700,000	4.5	✓	Future Construction Planned	N/A	N/A
2/14/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,600,000	1.5	✓	Future Construction Planned	N/A	N/A
2/15/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	11,700,000	16.5	✓	Future Construction Planned	N/A	N/A
2/16/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	12,120,000	18	✓	Future Construction Planned	N/A	N/A
2/17/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,480,000	7	✓	Future Construction Planned	N/A	N/A
2/21/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,320,000	2.5	✓	Future Construction Planned	N/A	N/A
2/22/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	10,870,000	22.5	✓	Future Construction Planned	N/A	N/A
4/10/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,740,000	3	✓	Future Construction Planned	N/A	N/A
5/5/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,050,000	3	✓	Future Construction Planned	N/A	N/A
5/6/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	22,060,000	15	✓	Future Construction Planned	N/A	N/A
5/7/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	19,400,000	15.5	✓	Future Construction Planned	N/A	N/A
11/6/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	50,000	0.72	✓	Future Construction Planned	N/A	N/A
12/9/04	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	400,000	2.63		Future Construction Planned	N/A	N/A
3/3/07	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		WWTP - Electrical Failure. Electricity was restored.	1,170,000	1.5	✓	Future Construction Planned	Repair Completed	N/A
1/24/02	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	1,000,000	20.5	✓	Future Construction Planned	N/A	N/A
1/25/02	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	50,000	2.5	✓	Future Construction Planned	N/A	N/A
3/17/02	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	450,000	9	✓	Future Construction Planned	N/A	N/A
3/18/02	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	200,000	5.5	✓	Future Construction Planned	N/A	N/A
9/21/02	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	3000	0.25	✓	Future Construction Planned	N/A	N/A
2/14/03	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	3000	0.25	✓	Future Construction Planned	N/A	N/A
2/15/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	#6 Digester		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	5500	0.5		Future Construction Planned	N/A	N/A
2/22/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	#6 Digester		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	200	0.17		Future Construction Planned	N/A	N/A
3/22/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Filtrate Tank		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	200	0.1		Future Construction Planned	N/A	N/A
4/2/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	9,000	1.5		Future Construction Planned	N/A	N/A
5/20/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Primary Clarifiers # 3-4 Influent Boxes		Heavy rainfall in the area resulted in high flows in the collection system.	500	0.17		Future Construction Planned	N/A	N/A
8/23/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Digester MH		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	0	0.08		Future Construction Planned	N/A	N/A
9/23/06	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	50	0.008		Future Construction Planned	N/A	N/A
3/3/07	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Ruptured Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	10,600	1		Future Construction Planned	Repair Completed	N/A
2/18/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Primary Sludge Pipe		Broken System - Sludge Line Leak. The leak was repaired & the area cleaned.	2,128	0.083		Future Construction Planned	Repair Completed	N/A
6/11/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	MH 4-51		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	50	0.02		Future Construction Planned	Repair Completed	N/A
9/4/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Broken Gravity Main		Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	50	0.083		Future Construction Planned	Repair Completed	N/A
1/31/2012	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Dewatering Containmentment		Construction Failure - Dewatering Containmentment Failure. Containmentment reinstated & the area was cleaned.	25	0.25		N/A	Repair Completed	N/A
5/15/2012	2015	NEYLAND DRIVE	KUW	Third Creek	35B	#2 Digester		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	100	0.33	✓	N/A	Repair Completed	N/A
10/5/2012	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	100	1		N/A	Repair Completed	N/A
9/21/2013	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Primary Effluent Channel		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	115,000	0.13		N/A	Repair Completed	N/A
3/10/2011	2377	NEYLAND DRIVE	KUW	Third Creek	35B	MH 3		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
1/28/2013	2377	NEYLAND DRIVE	KUW	Third Creek	35B	MH 4-54		Heavy rainfall in the area resulted in high flows in the collection system.	300	1		Future Construction Planned	N/A	N/A

## 2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
7/12/02	7661	BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	1000	3		N/A	Repair Completed	N/A
8/29/02	4710	MURPHY ROAD	KUW	First Creek	2	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	10	2		N/A	Repair Completed	N/A
9/5/02	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		Blockage - Roots. The sewer main was flushed & area was cleaned.	180	3	✓	Construction Completed	BA	12 Months
11/13/02	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		Blockage - Roots. The sewer main was flushed & area was cleaned.	720	4	✓	Construction Completed	BA	12 Months
2/22/03	203	S CHILHOWEE DRIVE	LC	Loves Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	1800	3		Construction Completed	BA	12 Months
2/26/03	7661	BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	100	0.17		N/A	Repair Completed	N/A
3/9/03	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		Blockage - Debris. The sewer main was flushed & area was cleaned.	19,200	40	✓	Construction Completed	BA	12 Months
2/10/05	5001	MALONEYVILLE ROAD	EB	Eastbridge	109	MH 93-10		Blockage - Debris. The sewer main was flushed & area was cleaned.	1410	4	✓	Construction Completed	BA	6 Months
2/23/05	125	TILLERY DRIVE	KUW	Second Creek	10	MH 16-6		Blockage - Grease. The sewer main was flushed & area was cleaned.	720	3		N/A	BA/Grease Control	6 Months
								Pump Station - Mechanical Failure due to lightning strike. Station was repaired & the area was cleaned.						
6/10/05	7661	BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell			2,880	1		N/A	Repair Completed	N/A
10/31/05	5001	MALONEYVILLE ROAD	EB	Eastbridge	109	MH 93-10		Blockage - Debris. The sewer main was flushed & area was cleaned.	6,101	1.5	✓	Construction Completed	BA	6 Months
1/17/06	5001	MALONEYVILLE ROAD	EB	Eastbridge	109	MH 93-10		Blockage - Debris. The sewer main was flushed & area was cleaned.	408	1	✓	Construction Completed	BA	1 Month
6/26/06	7661	BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	600	1		Construction Completed	N/A	N/A
9/23/06	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		Heavy rainfall in the area resulted in high flows in the collection system.	4320	8		Construction Completed	BA	6 Months
9/25/06	203	S CHILHOWEE DRIVE	LC	Loves Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	2160	6		Construction Completed	BA	12 Months
7/23/07	5101	MALONEYVILLE ROAD	EB	Eastbridge	109	MH 93-26		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	3,000	1	✓	Construction Completed	N/A	N/A
8/19/07	5101	MALONEYVILLE ROAD	EB	Eastbridge	109	MH 93-26		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	1,440	2	✓	Construction Completed	N/A	N/A
3/25/08	4710	MURPHY ROAD	KUW	First Creek	2	Wetwell		Grinder Pump Failure. Pump was repaired & the area was cleaned.	14	2		N/A	Repair Completed	N/A
5/6/08	2052	DANDRIDGE AVENUE	KUW	Williams Creek	25	MH 4-103		Blockage - Debris. The sewer main was flushed & area was cleaned.	115	0.25		N/A	BA	6 Months
5/28/08	203	S CHILHOWEE DRIVE	LC	Loves Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	16	0.5		Construction Completed	N/A	N/A
12/11/08	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		Heavy rainfall in the area resulted in high flows in the collection system.	62	1	✓	Construction Completed	BA	6 Months
1/6/09	7661	BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	8		Construction Completed	N/A	N/A
1/6/09	1233	MARYVILLE PIKE	KUW	South Knoxville	39	MH 27-115		Blockage - Debris. The sewer main was flushed & area was cleaned.	15,000	14.75	✓	N/A	BA	6 Months
1/6/09	203	S CHILHOWEE DRIVE	LC	Loves Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	6,100	12	✓	Construction Completed	N/A	N/A
1/6/09	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		Heavy rainfall in the area resulted in high flows in the collection system.	17,300	24	✓	Construction Completed	BA	6 Months
1/7/09	5315	SHANNONDALE ROAD	KUW	First Creek	1	MH 36		Blockage - Roots. The sewer main was flushed & area was cleaned.	5,040	14		N/A	BA	3 Months
1/10/09	5007	ROWAN ROAD	KUW	Second Creek	5	MH 17-47		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,080	2		N/A	BA	3 Months
1/11/09	1110	CLINCH AVENUE	KUW	Second Creek	23	Undesignated MH		Blockage - Roots. The sewer main was flushed & area was cleaned.	75	2		N/A	BA	6 Months
1/12/09	7105	DULANEY WAY	FC	Fourth Creek	36	MH 12-86		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,780	3.5		N/A	BA	6 months
1/22/09	9027	MASCOT ROAD	EB	Eastbridge	114	Leaking ARV		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	75	1		N/A	Repair Completed	N/A
1/29/09	1701	E FIFTH AVENUE	KUW	First Creek	24	MH 29-2		Blockage - Debris. The sewer main was flushed & area was cleaned.	765	1.5		N/A	BA	12 Months
2/7/09	3853	CLUSTER AVENUE	LC	Loves Creek	6	MH 29-161		Blockage - Roots. The sewer main was flushed & area was cleaned.	5	4		N/A	BA	6 Months
2/13/09	4712	MOSS DRIVE	KUW	Third Creek	13	Lateral Cleanout		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	750	1	✓	N/A	BA/Grease Control	3 Months
2/21/09	5534	JACKSBORO PIKE	KUW	First Creek	3	Broken Gravity Main		Construction Failure - There was a pipe separation at a temporary connection to the sewer main.	960	8		N/A	Repair Completed	N/A
3/2/09	5101	MALONEYVILLE ROAD	EB	Eastbridge	109	MH 93-10		Blockage - Debris. The sewer main was flushed & area was cleaned.	360	2		Construction Completed	BA/Grease Control	1 Month
3/4/09	4712	MOSS DRIVE	KUW	Third Creek	13	MH 43 and Lateral Cleanout		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	250	0.5	✓	N/A	BA/Grease Control	3 Months
3/6/09	751	INGERSOLL AVENUE	KUW	South Knoxville	39	MH 4-13		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	405	6		N/A	BA/Grease Control	6 months
3/7/09	1527	WILSON ROAD	KUW	Second Creek	10	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	95	3		N/A	BA	6 Months
3/9/09	1000	OGLEWOOD AVENUE	KUW	First Creek	16	Lateral Cleanout and BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	13	0.5		N/A	BA	6 Months
								Construction Failure - Unconnected Private Sewer Main. Private sewer main was reconnected & the area was cleaned.	Unknown	Unknown		Construction Completed	N/A	N/A
4/13/09	1848	FRATERNITY PARK DRIVE	KUW	Third Creek	35B	Patio and BBU	BBU	The capacity of the sewer main was exceeded when a swimming pool was drained.	650	2.25		N/A	Repair Completed	N/A
4/15/09	811	EDWARDS DRIVE	KUW	Knob Creek	41	MH 107		Blockage - Grease. The sewer main was flushed & area was cleaned.	60	1		N/A	BA/Grease Control	6 months
4/29/09	1801	LAKE AVENUE	KUW	Third Creek	35B	Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	710	2.25		N/A	Repair Completed	N/A
5/5/09	4710	MURPHY ROAD	KUW	First Creek	2	Wetwell		Grinder Pump Failure. Pump was repaired & the area was cleaned.	100	2.5		N/A	Repair Completed	N/A
								Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	270	1.5		N/A	Repair Completed	N/A
5/7/09	4419	MCCAMPBELL LANE	KUW	First Creek	2	MH 43-64		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	22	1	✓	N/A	BA	6 Months
5/15/09	1233	MARYVILLE PIKE	KUW	South Knoxville	39	MH 27-115			162	1		N/A	BA/Grease Control	3 Months
5/25/09	1800	MIDDLEBROOK PIKE	KUW	Third Creek	29	MH 38		Blockage - Grease. The sewer main was flushed & area was cleaned.	44	4		N/A	BA/Grease Control	6 Months
6/6/09	2501	FERNBANK ROAD	LC	Loves Creek	105	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	54	0.5		N/A	BA	6 Months
6/13/09	835	FARRAGUT AVENUE	KUW	First Creek	16	MH 24-45		Blockage - Debris. The sewer main was flushed & area was cleaned.	60	0.5		N/A	BA	6 Months
6/15/09	900	GERTRUDE AVENUE	KUW	South Knoxville	40	MH 3-70		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.				N/A	BA	6 Months
								Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	5,491	1		N/A	Repair Completed	N/A
6/18/09	2303	CLINCH AVENUE	KUW	Third Creek	35B	MH 23-5			150	1		N/A	BA/Grease Control	3 Months
6/22/09	125	TILLERY DRIVE	KUW	Second Creek	10	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.						
6/24/09	2052	DANDRIDGE AVENUE	KUW	Williams Creek	25	MH 4-103 and Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	344	1		N/A	BA/Grease Control	12 Months
6/26/09	4900	LANDBROOK DRIVE	KUW	Third Creek	21	MH 27-6		Blockage - Roots, Grease, and Debris. The sewer main was flushed & area was cleaned.	153	1.5		N/A	BA/Grease Control	3 Months
7/16/09	8205	CORTETLAND DRIVE	FC	Fourth Creek	32B	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	9	1		N/A	BA	3 Months
7/23/09	5212	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	741	504 Intermittently		N/A	Repair Completed	N/A
7/23/09	2636	CHUKAR ROAD	FC	Fourth Creek	32A	Bypass System		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	12	0.25		N/A	Repair Completed	N/A
8/11/09	4502	MILLERTOWN PIKE	LC	Loves Creek	6	Lateral Cleanout		Construction Failure - Dig-In. Lateral was repaired & the area was cleaned.	137	72 Intermittently		N/A	Repair Completed	N/A
8/17/09	119	W GLENWOOD AVENUE	KUW	First Creek	17	Subsurface		Blockage - Grease. The sewer main was flushed & area was cleaned.	900	8 Intermittently		Construction Completed	BA/Grease Control	6 Months
9/29/09	8012	W CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-7		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	65	1		N/A	BA/Grease Control	6 Months
10/26/09	6905	WESTLAND DRIVE	FC	Fourth Creek	36	Subsurface		Blockage - Roots. The sewer main was flushed & area was cleaned.	4,745	2		Construction Completed	N/A	N/A

2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
10/30/09	1408	MIDDLE DRIVE	KUW	Second Creek	35A	Subsurface		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	7,190	6.5		N/A	Repair Completed	N/A
11/5/09	3108	LANDVIEW DRIVE	LC	Loves Creek	26	MH 72-134		Blockage - Roots. The sewer main was flushed & area was cleaned.	260	1		N/A	BA	6 Months
11/6/09	212	DRY GAP PIKE	KUW	Second Creek	5	MH 16-67		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	205	1		N/A	N/A	N/A
11/8/09	6116	SEVIERVILLE PIKE	KUW	South Knoxville	41	MH 107-2		Blockage - Grease. The sewer main was flushed & area was cleaned.	510	1		N/A	BA/Grease Control	6 months
11/12/09	2126	TENNESSEE AVENUE	KUW	Third Creek	22	MH 16-13		Blockage - Roots. The sewer main was flushed & area was cleaned.	310	1		N/A	BA	6 Months
11/24/09	601	S CONCORD STREET	KUW	Third Creek	29	MH 8-10		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	60	1		N/A	BA/Grease Control	12 Months
12/12/09	5227	MCNUTT ROAD	KUW	Knob Creek	41	MH 96		Blockage - Unknown. The sewer main was flushed & area was cleaned.	1,061	1		Construction Underway	BA	6 Months



2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Event included in SSOER	Cause of Backup/KUB Response	Volume	Duration (Hours)	Event Occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
3/18/02	5816	HOLSTON HILLS RD	LC	Loves Creek	26		Blockage - Debris. The sewer main was flushed & area was cleaned.	Unknown	Unknown		N/A	BA	12 Months
11/8/06	1317	LOUISIANA AVENUE	KUW	Second Creek	15		Blockage - Debris. The sewer main was flushed & area was cleaned.	200	1.5		N/A	Repair Completed	N/A
10/08/08	2800	FAIRVIEW STREET	KUW	First Creek	16		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	200	1		N/A	BA/Grease Control	6 Months
12/10/08	5816	HOLSTON HILLS ROAD	LC	Loves Creek	26		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	50	1		N/A	Repair Completed	N/A
01/24/10	1109	BIDDLE STREET	KUW	Williams Creek	25	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	1000	1		N/A	BA	6 Months
01/25/10	5706	WALLWOOD DRIVE	KUW	Third Creek	9		Blockage - Roots. The sewer main was flushed & area was cleaned.	275	3		N/A	BA	6 Months
01/26/10	420	CLINCH AVENUE	KUW	Second Creek	23		Blockage - Roots. The sewer main was flushed & area was cleaned.	4000	1		N/A	BA	6 Months
02/03/10	5401	GREENCREST ROAD	KUW	First Creek	1		Blockage - Roots. The sewer main was flushed & area was cleaned.	15	1		N/A	BA	6 Months
02/26/10	1127	MAGNET PLACE	KUW	Williams Creek	31		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	33	2		N/A	BA/Grease Control	6 Months
03/29/10	319	ECHODALE LANE	KUW	South Knoxville	41		Blockage - Roots. The sewer main was flushed & area was cleaned.	5	0.5		N/A	Repair Completed	N/A
03/30/10	2924	SUTHERLAND AVENUE	KUW	Third Creek	28		Construction Failure - Sewer Main Flushing. The area was cleaned.	15	0.05		N/A	N/A	N/A
04/05/10	2920	SUTHERLAND AVENUE	KUW	Third Creek	28		Construction Failure - Sewer Main Flushing. The area was cleaned.	1	0.02		N/A	N/A	N/A
04/09/10	8630	ASHEVILLE HIGHWAY	EB	Eastbridge	72	✓	Blockage - Debris. The sewer main was flushed & area was cleaned.	950	15		N/A	BA	12 Months
05/03/10	1709	FAIRMONT BOULEVARD	KUW	First Creek	16		Blockage - Roots. The sewer main was flushed & area was cleaned.	300	4		N/A	BA	6 Months
05/03/10	5816	HOLSTON HILLS ROAD	LC	Loves Creek	26	✓	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	940	1.5		N/A	Repair Completed/BA	12 Months
05/03/10	6421	SHETLAND DRIVE	KUW	South Knoxville	41		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
05/17/10	223	BERNARD AVENUE	KUW	Second Creek	23		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	20	4		N/A	Repair Completed	N/A
05/24/10	1316	CASELL DRIVE	KUW	Second Creek	10		Construction Failure - Sewer Main Flushing. The area was cleaned.	1.5	0.017		N/A	N/A	N/A
07/16/10	1700	CLINCH AVENUE	KUW	Second Creek	35a		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	500	4		N/A	Repair Completed	N/A
07/22/10	1317	LOUISIANA AVENUE	KUW	Second Creek	15		Blockage - Roots. The sewer main was flushed & area was cleaned.	500	3		N/A	BA	6 Months
11/07/10	1808	BRADSHAW GARDEN ROAD	KUW	Third Creek	13		Blockage - Debris. The sewer main was flushed & area was cleaned.	5	1		N/A	BA	6 Months
11/09/10	735	REED STREET	KUW	Third Creek	22		Blockage - Debris. The sewer main was flushed & area was cleaned.	50	2.25		N/A	BA	6 Months
12/06/10	541	WOODLAWN PIKE	KUW	South Knox	40		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	500	5		N/A	Repair Completed	N/A
02/02/11	2101	EDGEWOOD AVENUE	KUW	First Creek	16		Construction Failure - Sewer Main Flushing. The area was cleaned.	50	0.25		N/A	Repair Completed	N/A
02/07/11	800	TYSON STREET	KUW	Second Creek	23		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	1100	Unknown		N/A	Repair Completed	N/A
02/28/11	3218 & 3220	AVONDALE AVENUE	KUW	First Creek	8	✓	Blockage - Grease. The sewer main was flushed & area was cleaned.	1500	3		N/A	BA/Grease Control	12 Months
02/28/11	445	BLOUNT AVENUE	KUW	South Knoxville	39		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
02/28/11	1912	PARIS ROAD	KUW	Third Creek	13		Heavy rainfall in the area resulted in high flows in the collection system.	30	0.5		Construction Completed	N/A	N/A
02/28/11	143	SOUTH VAN GILDER STREET	KUW	First Creek	24		Heavy rainfall in the area resulted in high flows in the collection system.	5	0.5		Construction Completed	N/A	N/A
03/02/11	2800	FAIRVIEW STREET	KUW	First Creek	16		Construction Failure - Bypass pumping failure. The area was cleaned.	40	1		N/A	Repair Completed	N/A
03/04/11	2111 & 2115	EDGEWOOD AVENUE	KUW	First Creek	16		Heavy rainfall in the area resulted in high flows in the collection system.	1100	1	✓	Construction Completed	N/A	N/A
03/04/11	4317	HIAWATHA DRIVE	KUW	Third Creek	38		Heavy rainfall in the area resulted in high flows in the collection system.	40	1		Construction Completed	N/A	N/A
03/22/11	4924	LONAS ROAD	FC	Fourth Creek	33		Construction Failure - Sewer Main Flushing. The area was cleaned.	200	1.5		N/A	Repair Completed	N/A
03/24/11	205	WEST BAXTER AVENUE	KUW	Second Creek	23		Construction Failure - Bypass pumping failure. The area was cleaned.	200	1		N/A	Repair Completed	N/A
04/07/11	3526	BUFFAT MILL ROAD	KUW	First Creek	18	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	300	4		N/A	BA	12 Months
04/30/11	445	BLOUNT AVENUE	KUW	South Knoxville	39		Heavy rainfall in the area resulted in high flows in the collection system.	10	0.5	✓	Construction Completed	N/A	N/A
06/24/11	2111	EDGEWOOD AVENUE	KUW	First Creek	16		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Construction Completed	N/A	N/A
06/24/11	3619	ESSARY DRIVE	KUW	First Creek	1		Heavy rainfall in the area resulted in high flows in the collection system.	1550	1.5		Future Construction Planned	N/A	N/A
06/24/11	2300	GREENFIELD LANE	KUW	First Creek	18		Heavy rainfall in the area resulted in high flows in the collection system.	50	1		Future Construction Planned	N/A	N/A
07/13/11	719	E LAKE FOREST DRIVE	KUW	Knob Creek	41		Construction Failure - Bypass pumping failure. The area was cleaned.	225	0.083		N/A	Repair Completed	N/A
08/25/11	4209	CHINKAPIN LANE	KUW	Third Creek	11		Blockage - Grease. The sewer main was flushed & area was cleaned.	100	1		N/A	BA/Grease Control	12 Months
09/01/11	6235	RUTLEDGE PIKE	LC	Loves Creek	105	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	1		N/A	Repair Completed	N/A
12/10/11	5209	MURPHY ROAD	KUW	First Creek	2	✓	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	30	2		N/A	Repair Completed	N/A
12/22/11	5733	WILKERSON ROAD	KUW	Third Creek	9		Blockage - Debris. The sewer main was flushed & area was cleaned.	310	4		N/A	BA	12 Months
12/29/11	4525	OLD KINGSTON PIKE	KUW	Third Creek	34		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	3		N/A	Repair Completed	N/A
1/25/2012	310	KENSI DRIVE	KUW	Second Creek	10	✓	Blockage - Debris. The sewer main was flushed & area was cleaned.	325	2		N/A	BA	6 Months
3/7/2012	312	NINETEENTH STREET	KUW	Third Creek	29	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	35	0.75		N/A	BA	9 Months
4/3/2012	3819	GLENFIELD DRIVE	KUW	Third Creek	38		Construction Failure - Sewer Main Flushing. The area was cleaned.	10	0.25		N/A	Repair Completed	N/A
4/20/2012	616	LUTTRELL STREET	KUW	First Creek	24		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	5	0.5		N/A	Repair Completed	N/A
6/9/2012	5034	ROWAN ROAD	KUW	Second Creek	5		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.5		N/A	BA	12 Months
8/17/2012	524	BEN HUR AVENUE	KUW	Williams Creek	25	✓	Blockage - Debris. The sewer main was flushed & area was cleaned.	60	2		N/A	BA	6 Months
9/18/2012	702	E INSKIP ROAD	KUW	First Creek	7		Heavy rainfall in the area resulted in high flows in the collection system.	30	1		N/A	Repair Completed	N/A
9/18/2012	4824	HORSESTALL DRIVE	KUW	First Creek	2		Heavy rainfall in the area resulted in high flows in the collection system.	10	1		N/A	Repair Completed	N/A
9/19/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	103	1	✓	Construction Completed	N/A	N/A
9/25/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.33	✓	Construction Completed	N/A	N/A
10/16/2012	1001	FLANDERS LANE - APARTMENTS 101, 102, & 103	FC	Fourth Creek	42		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
11/8/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	4	1	✓	Construction Completed	N/A	N/A
12/2/2012	6220	WESTERN AVENUE	KUW	Third Creek	11		Blockage - Debris. The sewer main was flushed & area was cleaned.	1	0.5		N/A	BA	9 Months
12/3/2012	3839	DEBONAIR DRIVE	KUW	Third Creek	9		Broken System - Protruding Lateral. Lateral was trimmed & the area was cleaned.	15	1		N/A	Repair Completed	N/A
12/3/2012	3843	DEBONAIR DRIVE	KUW	Third Creek	9		Broken System - Protruding Lateral. Lateral was trimmed & the area was cleaned.	10	1		N/A	Repair Completed	N/A
12/17/2012	2423	CECIL AVENUE	KUW	First Creek	18		Construction Failure - Sewer Main Flushing. The area was cleaned.	3	0.25		N/A	Repair Completed	N/A
12/18/2012	6412	WESTERN AVENUE	KUW	Third Creek	11		Blockage - Roots. The sewer main was flushed & area was cleaned.	20	0.5		N/A	BA	6 Months
12/20/2012	3006	CORAM STREET	KUW	Second Creek	14	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,550	2		N/A	BA	6 Months
1/15/2013	2326	CEDAR LANE	KUW	First Creek	4	✓	Heavy rainfall in the area resulted in high flows in the collection system.	5	2		Future Construction Planned	N/A	N/A
1/16/2013	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	✓	N/A	Repair Completed	N/A
1/25/2013	1617	DORA STREET	KUW	Third Creek	29		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	6,800	9		N/A	Repair Completed	N/A
2/6/2013	6310	LANTERN RIDGE LANE	KUW	Third Creek	9		Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned.	1,750	Unknown		N/A	BA/Grease Control	12 Months
4/8/2013	912	E INSKIP ROAD	KUW	First Creek	7		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
4/11/2013	825	CARRINGTON ROAD	FC	Fourth Creek	32b		Construction Failure - Sewer Main Flushing. The area was cleaned.	25	0.25		N/A	Repair Completed	N/A
4/28/2013	1540	JOURLMAN AVENUE	KUW	Third Creek	22	✓	Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned.	6,350	6		N/A	BA/Grease Control	6 Months
5/28/2013	519	NOELTON DRIVE	KUW	Third Creek	38		Blockage - Debris. The sewer main was flushed & area was cleaned.	2	0.0166		N/A	BA	12 Months
8/24/2013	2304	WOODS CREEK ROAD	LC	Loves Creek	105	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	1		N/A	Repair Completed	N/A
10/16/2013	409	N WINSTON ROAD	FC	Fourth Creek	32b	✓	Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	300	2		N/A	Repair Completed	N/A
10/26/2013	1216	BAKER AVENUE	KUW	South Knox	40	✓	Blockage - Grease. The sewer main was flushed & area was cleaned.	10	0.25		N/A	BA/Grease Control	6 Months
11/21/2013	5700	DOGWOOD DRIVE	KUW	First Creek	3		Construction Failure - Sewer Main Flushing. The area was cleaned.	2	0.125		N/A	Repair Completed	N/A
11/25/2013	1921	COKER AVENUE	KUW	First Creek	17	✓	Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	1,650	1		N/A	Repair Completed	N/A
12/12/2013	2437	KEITH AVENUE	KUW	Third Creek	22	✓	Blockage - Grease. The sewer main was flushed & area was cleaned.	105	1		Future Construction Planned	N/A	N/A



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Date	Street #	Street	Plant	Watershed	Basin	Event included in SSOER	Cause of Backup/KUB Response	Volume	Duration (Hours)	Event Occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
06/24/11	3619	ESSARY DRIVE	KUW	First Creek	1		Heavy rainfall in the area resulted in high flows in the collection system.	1550	1.5		Future Construction Planned	N/A	N/A
02/03/10	5401	GREENCREST ROAD	KUW	First Creek	1		Blockage - Roots. The sewer main was flushed & area was cleaned.	15	1		N/A	BA	6 Months
9/18/2012	4824	HORSESTALL DRIVE	KUW	First Creek	2		Heavy rainfall in the area resulted in high flows in the collection system.	10	1		N/A	Repair Completed	N/A
12/10/11	5209	MURPHY ROAD	KUW	First Creek	2	✓	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	30	2		N/A	Repair Completed	N/A
11/21/2013	5700	DOGWOOD DRIVE	KUW	First Creek	3		Construction Failure - Sewer Main Flushing. The area was cleaned.	2	0.125		N/A	Repair Completed	N/A
1/15/2013	2326	CEDAR LANE	KUW	First Creek	4	✓	Heavy rainfall in the area resulted in high flows in the collection system.	5	2		Future Construction Planned	N/A	N/A
6/9/2012	5034	ROWAN ROAD	KUW	Second Creek	5		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.5		N/A	BA	12 Months
9/18/2012	702	E INSKIP ROAD	KUW	First Creek	7		Heavy rainfall in the area resulted in high flows in the collection system.	30	1		N/A	Repair Completed	N/A
4/8/2013	912	E INSKIP ROAD	KUW	First Creek	7		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
02/28/11	3218 & 3220	AVONDALE AVENUE	KUW	First Creek	8	✓	Blockage - Grease. The sewer main was flushed & area was cleaned.	1500	3		N/A	BA/Grease Control	12 Months
12/3/2012	3839	DEBONAIR DRIVE	KUW	Third Creek	9		Broken System - Protruding Lateral. Lateral was trimmed & the area was cleaned.	15	1		N/A	Repair Completed	N/A
12/3/2012	3843	DEBONAIR DRIVE	KUW	Third Creek	9		Broken System - Protruding Lateral. Lateral was trimmed & the area was cleaned.	10	1		N/A	Repair Completed	N/A
01/25/10	5706	WALLWOOD DRIVE	KUW	Third Creek	9		Blockage - Roots. The sewer main was flushed & area was cleaned.	275	3		N/A	BA	6 Months
12/22/11	5733	WILKERSON ROAD	KUW	Third Creek	9		Blockage - Debris. The sewer main was flushed & area was cleaned.	310	4		N/A	BA	12 Months
2/6/2013	6310	LANTERN RIDGE LANE	KUW	Third Creek	9		Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned.	1,750	Unknown		N/A	BA/Grease Control	12 Months
1/25/2012	310	KENSI DRIVE	KUW	Second Creek	10	✓	Blockage - Debris. The sewer main was flushed & area was cleaned.	325	2		N/A	BA	6 Months
05/24/10	1316	CASSELL DRIVE	KUW	Second Creek	10		Construction Failure - Sewer Main Flushing. The area was cleaned.	1.5	0.017		N/A	N/A	N/A
08/25/11	4209	CHINKAPIN LANE	KUW	Third Creek	11		Blockage - Grease. The sewer main was flushed & area was cleaned.	100	1		N/A	BA/Grease Control	12 Months
12/2/2012	6220	WESTERN AVENUE	KUW	Third Creek	11		Blockage - Debris. The sewer main was flushed & area was cleaned.	1	0.5		N/A	BA	9 Months
12/18/2012	6412	WESTERN AVENUE	KUW	Third Creek	11		Blockage - Roots. The sewer main was flushed & area was cleaned.	20	0.5		N/A	BA	6 Months
11/07/10	1808	BRADSHAW GARDEN ROAD	KUW	Third Creek	13		Blockage - Debris. The sewer main was flushed & area was cleaned.	5	1		N/A	BA	6 Months
02/28/11	1912	PARIS ROAD	KUW	Third Creek	13		Heavy rainfall in the area resulted in high flows in the collection system.	30	0.5		Construction Completed	N/A	N/A
12/20/2012	3006	CORAM STREET	KUW	Second Creek	14	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,550	2		N/A	BA	6 Months
11/8/06	1317	LOUISIANA AVENUE	KUW	Second Creek	15		Blockage - Debris. The sewer main was flushed & area was cleaned.	200	1.5		N/A	Repair Completed	N/A
07/22/10	1317	LOUISIANA AVENUE	KUW	Second Creek	15		Blockage - Roots. The sewer main was flushed & area was cleaned.	500	3		N/A	BA	6 Months
05/03/10	1709	FAIRMONT BOULEVARD	KUW	First Creek	16		Blockage - Roots. The sewer main was flushed & area was cleaned.	300	4		N/A	BA	6 Months
02/02/11	2101	EDGEWOOD AVENUE	KUW	First Creek	16		Construction Failure - Sewer Main Flushing. The area was cleaned.	50	0.25		N/A	Repair Completed	N/A
06/24/11	2111	EDGEWOOD AVENUE	KUW	First Creek	16		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	✓	Construction Completed	N/A	N/A
10/08/08	2800	FAIRVIEW STREET	KUW	First Creek	16		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	200	1		N/A	BA/Grease Control	6 Months
03/02/11	2800	FAIRVIEW STREET	KUW	First Creek	16		Construction Failure - Bypass pumping failure. The area was cleaned.	40	1		N/A	Repair Completed	N/A
03/04/11	2111 & 2115	EDGEWOOD AVENUE	KUW	First Creek	16		Heavy rainfall in the area resulted in high flows in the collection system.	1100	1	✓	Construction Completed	N/A	N/A
11/25/2013	1921	COKER AVENUE	KUW	First Creek	17	✓	Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	1,650	1		N/A	Repair Completed	N/A
06/24/11	2300	GREENFIELD LANE	KUW	First Creek	18		Heavy rainfall in the area resulted in high flows in the collection system.	50	1		Future Construction Planned	N/A	N/A
12/17/2012	2423	CECIL AVENUE	KUW	First Creek	18		Construction Failure - Sewer Main Flushing. The area was cleaned.	3	0.25		N/A	Repair Completed	N/A
04/07/11	3526	BUFFAT MILL ROAD	KUW	First Creek	18	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	300	4		N/A	BA	12 Months
11/09/10	735	REED STREET	KUW	Third Creek	22		Blockage - Debris. The sewer main was flushed & area was cleaned.	50	2.25		N/A	BA	6 Months
4/28/2013	1540	JOUROLMAN AVENUE	KUW	Third Creek	22	✓	Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned.	6,350	6		N/A	BA/Grease Control	6 Months
12/12/2013	2437	KEITH AVENUE	KUW	Third Creek	22	✓	Blockage - Grease. The sewer main was flushed & area was cleaned.	105	1		Future Construction Planned	N/A	N/A
03/24/11	205	WEST BAXTER AVENUE	KUW	Second Creek	23		Construction Failure - Bypass pumping failure. The area was cleaned.	200	1		N/A	Repair Completed	N/A
05/17/10	223	BERNARD AVENUE	KUW	Second Creek	23		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	20	4		N/A	Repair Completed	N/A
01/26/10	420	CLINCH AVENUE	KUW	Second Creek	23		Blockage - Roots. The sewer main was flushed & area was cleaned.	4000	1		N/A	BA	6 Months
02/07/11	800	TYSON STREET	KUW	Second Creek	23		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	1100	Unknown		N/A	Repair Completed	N/A
02/28/11	143	SOUTH VAN GILDER STREET	KUW	First Creek	24		Heavy rainfall in the area resulted in high flows in the collection system.	5	0.5		Construction Completed	N/A	N/A
4/20/2012	616	LUTTRELL STREET	KUW	First Creek	24		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	5	0.5		N/A	Repair Completed	N/A
8/17/2012	524	BEN HUR AVENUE	KUW	Williams Creek	25	✓	Blockage - Debris. The sewer main was flushed & area was cleaned.	60	2		N/A	BA	6 Months
01/24/10	1109	BIDDLE STREET	KUW	Williams Creek	25	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	1000	1		N/A	BA	6 Months
3/18/02	5816	HOLSTON HILLS RD	LC	Loves Creek	26		Blockage - Debris. The sewer main was flushed & area was cleaned.	Unknown	Unknown		N/A	BA	12 Months
12/10/08	5816	HOLSTON HILLS ROAD	LC	Loves Creek	26		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	50	1		N/A	Repair Completed	N/A
05/03/10	5816	HOLSTON HILLS ROAD	LC	Loves Creek	26	✓	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	940	1.5		N/A	Repair Completed/BA	12 Months
04/05/10	2920	SUTHERLAND AVENUE	KUW	Third Creek	28		Construction Failure - Sewer Main Flushing. The area was cleaned.	1	0.02		N/A	N/A	N/A
03/30/10	2924	SUTHERLAND AVENUE	KUW	Third Creek	28		Construction Failure - Sewer Main Flushing. The area was cleaned.	15	0.05		N/A	N/A	N/A
3/7/2012	312	NINETEENTH STREET	KUW	Third Creek	29	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	35	0.75		N/A	BA	9 Months
1/25/2013	1617	DORA STREET	KUW	Third Creek	29		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	6,800	9		N/A	Repair Completed	N/A
02/26/10	1127	MAGNET PLACE	KUW	Williams Creek	31		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	33	2		N/A	BA/Grease Control	6 Months
03/22/11	4924	LONAS ROAD	FC	Fourth Creek	33		Construction Failure - Sewer Main Flushing. The area was cleaned.	200	1.5		N/A	Repair Completed	N/A
12/29/11	4525	OLD KINGSTON PIKE	KUW	Third Creek	34		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	3		N/A	Repair Completed	N/A
5/28/2013	519	NOELTON DRIVE	KUW	Third Creek	38		Blockage - Debris. The sewer main was flushed & area was cleaned.	2	0.0166		N/A	BA	12 Months
4/3/2012	3819	GLENFIELD DRIVE	KUW	Third Creek	38		Construction Failure - Sewer Main Flushing. The area was cleaned.	10	0.25		N/A	Repair Completed	N/A
03/04/11	4317	HIAWATHA DRIVE	KUW	Third Creek	38		Heavy rainfall in the area resulted in high flows in the collection system.	40	1		Construction Completed	N/A	N/A
02/28/11	445	BLOUNT AVENUE	KUW	South Knoxville	39		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
04/30/11	445	BLOUNT AVENUE	KUW	South Knoxville	39		Heavy rainfall in the area resulted in high flows in the collection system.	10	0.5	✓	Construction Completed	N/A	N/A
12/06/10	541	WOODLAWN PIKE	KUW	South Knox	40		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	500	5		N/A	Repair Completed	N/A
10/26/2013	1216	BAKER AVENUE	KUW	South Knox	40	✓	Blockage - Grease. The sewer main was flushed & area was cleaned.	10	0.25		N/A	BA/Grease Control	6 Months
03/29/10	319	ECHODALE LANE	KUW	South Knoxville	41		Blockage - Roots. The sewer main was flushed & area was cleaned.	5	0.5		N/A	Repair Completed	N/A
07/13/11	719	E LAKE FOREST DRIVE	KUW	Knob Creek	41		Construction Failure - Bypass pumping failure. The area was cleaned.	225	0.083		N/A	Repair Completed	N/A
05/03/10	6421	SHETLAND DRIVE	KUW	South Knoxville	41		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
10/16/2012	1001, 101, 102, & 103		FC	Fourth Creek	42		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
9/19/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	103	1	✓	Construction Completed	N/A	N/A
9/25/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.33	✓	Construction Completed	N/A	N/A
11/8/2012	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	4	1	✓	Construction Completed	N/A	N/A
1/16/2013	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	✓	N/A	Repair Completed	N/A
04/09/10	8630	ASHEVILLE HIGHWAY	EB	Eastbridge	72	✓	Blockage - Debris. The sewer main was flushed & area was cleaned.	950	15		N/A	BA	12 Months
8/24/2013	2304	WOODS CREEK ROAD	LC	Loves Creek	105	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	1		N/A	Repair Completed	N/A
09/01/11	6235	RUTLEDGE PIKE	LC	Loves Creek	105	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	1		N/A	Repair Completed	N/A
10/16/2013	409	N WINSTON ROAD	FC	Fourth Creek	32b	✓	Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	300	2		N/A	Repair Completed	N/A
4/11/2013	825	CARRINGTON ROAD	FC	Fourth Creek	32b		Construction Failure - Sewer Main Flushing. The area was cleaned.	25	0.25		N/A	Repair Completed	N/A
07/16/10	1700	CLINCH AVENUE	KUW	Second Creek	35a		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	500	4		N/A	Repair Completed	N/A

2003-2013 SSOER with Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Backup Location	Event included in SSOER	Cause of Backup/KUB Response	Volume	Duration (Hours)	Event Occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
8/2/07	4213	WALROCK LANE	KUW	Third Creek	12	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	540	1.66		N/A	BA	12 Months
01/06/09	1033	KEOWEE AVENUE	KUW	Third Creek	38	Building Backup		Blockage - Unknown. The sewer main was flushed & area was cleaned.	1000	0.5		N/A	BA	6 Months
01/06/09	5230	MCNUTT ROAD	KUW	Knob Creek	41	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	11	0.25		Future Construction Planned	N/A	N/A
02/01/09	4413	DEERFIELD ROAD	KUW	Third Creek	11	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	1	1		Construction Completed	N/A	N/A
03/15/09	4726 & 4728	BALL CAMP PIKE	KUW	Third Creek	12	Building Backup		Blockage - Grease. The sewer main was flushed & area was cleaned.	375	0.5		N/A	BA/Grease Control	1 Month
03/17/09	2860	LINDEN AVENUE	KUW	Williams Creek	19	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	1	0.02		N/A	BA/Grease Control	3 Months
4/13/09	1848	FRATERNITY PARK DRIVE	KUW	Third Creek	35B	Patio and Building Backup	✓	The capacity of the sewer main was exceeded when a swimming pool was drained.	650	2.25		N/A	Repair Completed	N/A
04/21/09	4213	WALROCK LANE	KUW	Third Creek	12	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.17		N/A	BA	6 Months
5/14/09	200	E JACKSON AVE	KUW	First Creek	30	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	900	Intermittent over several weeks		N/A	Repair Completed	N/A
05/20/09	5508	LAKE SHORE DRIVE	KUW	Knob Creek	41	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	1	0.017		N/A	N/A	N/A
05/24/09	4304	GLASGOW ROAD	KUW	First Creek	7	Building Backup		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	100	2.25		N/A	BA/Grease Control	6 Months
05/27/09	8714	STRAWBERRY PLAINS PIKE	EB	Eastbridge	72	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	2	0.016		N/A	BA/Grease Control	6 Months
05/28/09	2536	NICHOLS AVENUE	KUW	Williams Creek	19	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	15	0.33		N/A	BA/Grease Control	12 Months
06/10/09	4016	WAYNE DRIVE	LC	Loves Creek	6	Building Backup		Blockage - Unknown. The sewer main was flushed & area was cleaned.	3	0.33		N/A	BA	3 Months
07/13/09	4900	ADA LANE	KUW	First Creek	2	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	98	0.5		N/A	N/A	N/A
07/15/09	2709	SPRING HILL ROAD	LC	Loves Creek	6	Building Backup		Construction Failure - Dig-in. The lateral was repaired & the area was cleaned.	20	6		N/A	N/A	N/A
09/01/09	2716	SUTHERLAND AVENUE	KUW	Third Creek	29	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	200	9.5		N/A	BA	1 Month
09/25/09	3001	GINNBROOKE LANE	KUW	South Knoxville	47	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	120 Intermittently		Construction Completed	N/A	N/A
09/26/09	2725	E GOVERNOR JOHN SEVIER HWY	LC	Loves Creek	60	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	50	1		Construction Completed	N/A	N/A
09/26/09	2637	W. BLOUNT AVENUE	KUW	South Knoxville	39	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	1000	2		Construction Completed	N/A	N/A
10/10/09	4111	BRUHIN RD	KUW	Second Creek	10	Building Backup		Blockage - Grease. The sewer main was flushed & area was cleaned.	50	29 Intermittently		N/A	BA/Grease Control	6 Months
10/13/09	3605	GARDEN DRIVE	KUW	First Creek	3	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	5	0.25		N/A	Repair Completed	N/A
10/21/09	1300	TEXAS AVENUE	KUW	Second Creek	15	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	5	0.5		N/A	Repair Completed	N/A