2003-2012 Sanitary Sewer Overflow Evaluation Report Including Building Backups and Trend Analysis

Submitted to EPA on April 29, 2013

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

4-29-13

Date





Executive Summary

2003-2012 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 2003-2012 SSOER is an evaluation of the sanitary sewer overflows (SSOs), including building backups, that occurred between January 2003 and December 2012. 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 2008) 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 "2003-2012 SSOER with Building Backups" spreadsheets still include events that occurred in 2001 and 2002 unless they were removed for not having a recurrence during the previous three years.

Overall, there has been a 90.5 percent decrease in the number of wet-weather SSOs, including building backups, and a 56.4 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 (216 miles) of sewer main and the completion of over 211 projects, including six wet-weather storage tanks with 34 million gallons of total storage, all completed since the beginning of PACE 10.

The trend in SSO occurrence from year to year has also been influenced by rainfall and weather conditions. In fact, an increase 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. Saturated ground or antecedent 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 71 percent of the 21 wet-weather overflows in 2012 occurred during two months of the year when saturated ground conditions increased the possibility for inflow. January rains produced six wet-weather overflows when the area received 5.67 inches of rain following the approximately 12 inches of rain received in the previous two months. Then, seven wet-weather overflows and two building backups occurred in September when an average of 5.6 inches of rain fell over the KUB service area within a 24-hour period. Historical data from the NWS shows this event to be a 50-year storm. This estimate is based on the application of historical intensity, duration, and frequency data.

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 74 times in 2012 (an average of about 12 times each), containing over 92 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, and protect the environment.

There has also been an 86 percent decrease in building backups compared to 2003, which can be attributed to system rehabilitation efforts, the success of the Private Lateral Program, and increased

response to problems on property. At the end of 2007, KUB began using a lateral launch camera to inspect private sewer laterals in addition to sewer mains in response to problems on property. Those inspections are now used as enforcement for the Private Lateral Program to require repair of any defective private lateral.

As required by the Consent Decree, the SSOER and building backup summaries are sorted by chronological occurrence. They are also sorted 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 spreadsheet headings in the SSOER

- 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 headings in the Building Backup spreadsheets

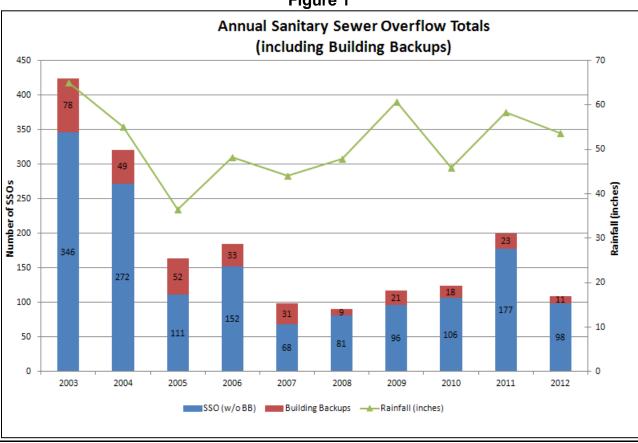
- 1. Date: Date the backup was discovered by/or reported to KUB.
- 2. Street #: The street number of the location where the backup occurred.
- 3. Street: The street name where the backup occurred.
- **4. Plant:** The wastewater treatment plant (WWTP) that receives wastewater from the collection system 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
 - o 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.

2003-2012 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





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. 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

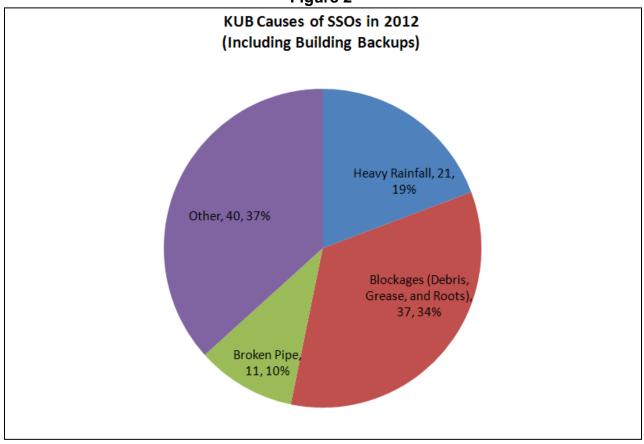
2008 and 60.66 inches in 2009, as reported by the National Weather Service (NWS). This amount of annual rainfall had not occurred since 2003, when the area received 65 inches of rain throughout the year. In 2009, however, only 29 wet-weather SSOs occurred compared to over 200 in 2003. Then, in January 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 or 50 percent of the wet-weather SSOs reported for that year.

The number of SSOs including building backups increased to 200 in 2011, when the annual rainfall approached 60 inches again. Ninety-two of those were wet-weather related and represent 46 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 the February 28, 2011, 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. The Knoxville area received 53.64 inches of rain, which was only 4.76 inches less than that in 2011; however, total overflows decreased by almost 55 percent and wet-weather overflows decreased by 77 percent from 2011. The use of two new storage tanks (completed in June 2011 after 2011's heaviest rains) helped to keep the wet-weather related overflows low in 2012. This is evident when looking at 2012's large rain events. 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 recorded rain totals ranging from 4.9 to 6.2 inches in a 24-hour period. The rainfall data from the gauges indicated an average of 5.6 inches for the overall area. The majority of our service area received almost six inches of rain that began in the morning on September 17, 2012, and extended through the next 24 hours. These gauges also revealed that the heaviest rainfall fell in the last few hours of the storm after the ground and streams had already received over three inches of rain. During this time, rain intensities reached 1.4 inches per hour in some locations early in the morning on September 18, 2012. Historical data from the NWS shows this event to be a 50-year storm. This estimate is based on the application of historical intensity, duration, and frequency data. KUB requested the September 17-18, 2012 storm event 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 seen in Figure 2, there were 88 dry-weather SSOs, including building backups, in 2012, which account for 81 percent of the total. Compared to 2003, there has been a 56.4 percent decrease in dry-weather SSOs, including building backups, in our collection system. This number has remained somewhat constant over the last three years.

Figure 2



Causes of Sanitary Sewer Overflows

Figure 2 presents a comparison of SSOs for 2012 by causes. In this graph, the SSOs were grouped into four categories:

- Heavy Rainfall
- Blockages (Debris, Grease, and/or Roots)
- Broken Pipe
- Other (Construction Failures, Grinder Pump Failures, Electrical/Mechanical 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.

Sanitary Sewer Overflow Causes (Including Building Backups) 250 70 60 200 50 Number of Occurrences 00 Rainfall (Inches) 20 50 10 2011 2003 2006 2007 2010 2012 2004 2008 2009 Heavy Rainfall Blockages Broken Pipe Other (WWTP, Construction Failures, Flushing Operations, Grinder pumps, and vandalism) Rainfall (inches)

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, but they have declined by approximately 74 percent since 2003. Blockage-related events decreased from 54 in 2011 to 37 in 2012. Debris tends to accumulate in the collection system during dry periods with lower than typical flows. Higher flows following rainfall events can then move these materials through the system and cause blockage-related overflows at another location. This is seen in the slight increases in 2006, 2009, and 2011, relative to the previous years. There were at least 10 blockage-related events in 2009 that occurred in conjunction with higher flows, seven in 2010, and 11 in 2011.

KUB's Blockage Abatement (BA) Program, an operational and maintenance approach to blockage-related overflows, 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 in

2004 so internal resources could focus on proactive maintenance and assessment. Last year KUB cleaned more than 49 miles of sewer main. The progress of the BA Program is evident when looking at the number of blockage-related events. In 2012, KUB had 37 events, that is the lowest number of blockage-related events recorded since prior to 2003, thus proving the success of BA maintenance efforts.

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 seven in 2012.

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 2012 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.

Figure 3 indicates rain was the largest contributor to SSOs in 2003 and 2004, but the impacts of rain have decreased over time due to system rehabilitation and storage tank construction. Following the 2007 drought year, during which no events were caused by heavy rainfall, normal rainfall in 2008 caused seven events. Since 2008 there has been an increase in wet-weather overflows that can also be attributed to the influence of rainfall. The heavy rainfall (61 inches) in 2009 caused an increase in wet-weather events relative to the prior two years. This amount of annual rainfall had not occurred since 2003, when the area received 65 inches of rain throughout the year. 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. KUB requested the February 28, 2011, storm event be recognized as a Force Majeure event in a letter to the EPA on March 18, 2011.

In 2012, the Knoxville area received above average precipitation (53.64 inches), which was only 4.76 inches less than the total rainfall received in 2011. Twenty-one wet-weather overflows occurred in 2012, which is significantly lower than 2011 due to PACE10 progress and storage tank completion. The NWS reported the Knoxville area received 5.67 inches of rain in January. This occurred after receiving almost 12 inches of rain in the previous two months. With the ground already saturated, the rainfall in January produced six wet-weather overflows. Then on September 17, 2012, the Knoxville area experienced a significant 24-hour rainfall event. The majority of our

service area received almost six inches of rain that began in the morning on September 17, 2012, and extended through the next 24 hours. Rain gauges revealed that the heaviest rainfall fell in the last few hours of the storm after the ground and streams had already received over three inches of rain. During this time, rain intensities reached 1.4 inches per hour in some locations early in the morning on September 18, 2012. Historical data from the NWS shows this event to be a 50-year storm. Seven sewer overflows were directly related to I/I received due to this heavy rainfall. KUB requested the September 17–18, 2012 storm event be recognized as a Force Majeure event in a letter to the EPA on October 5, 2012.

Table 1 compares the number of SSOs occurring during rainfall events associated with antecedent soil moisture conditions and clearly illustrates the effects from improvements within our system. Overall, overflows due to heavy rainfall have decreased 90.5 percent since 2003, as seen in Figure 3. Table 1 shows rainfall and SSOs for similar wet-weather events. It also includes volumes associated with secondary diversions, or the volume of wastewater that is routed away from the biological portion of treatment during high flow to prevent harm to the plant.

Table 1. Wet-Weather Event Comparison

	Aı	mount (of Rain	fall (inc	hes)	Wet-	Secondary
Event Period	1 Dav	3 Day	5 Dav	30 Day	60 Day	Weather SSOs	Diversion Volume (MG)
Dec 6–10, 2004	2.07	2.58	4.4	9.87	15.53	45	105.14
Nov 29-Dec 5, 2010	2.35	2.97	3.52	5.91	10.94	9	35.45
Dec 31–Jan 1, 2011	2.4	2.52	2.52	4.16	10.9	4	12.62
Feb 24-Feb 28, 2011*	3	3.39	4.9	5.87	9.29	32	38.21
April 14-April 16, 2011	1.49	2.86	2.86	9.08	15.46	17	17.11
April 25–April 27, 2011	2.61	2.95	3.23	9.08	15.46	7	10.22
Sept 17-Sep 18, 2012**	3.08	6.1	6.1	7.64	11.78	10	29.87

^{*}Force Majeure event with rainfall intensity of approximately 3 inches in 3 hours

When comparing the September 2012 Force Majeure event to the December 2004 rain event, the secondary diversion volume decreased by almost 72 percent and by almost 22 percent compared the February 2011 Force Majeure event. The decrease in volume from 2011 to 2012 can be attributed to the substantial completion and beneficial use of the Lower Third Creek and Second Creek Wastewater Storage facilities in June 2011. These tanks added 12 million gallons of peakflow storage for the Kuwahee Wastewater Treatment Plant (WWTP) to further reduce wet-weather SSOs, reduce diversions, and provide improved operational flexibility during heavy rainfall. Additionally, improvements such as line replacement and rehabilitation projects made within the collection system have dramatically decreased the effects from rainfall patterns and antecedent soil moisture conditions.

The "Long-Term Capital Improvement" column of the SSOER 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.

^{**}Force Majeure event with rainfall intensity of approximately 1.4 inches in 1 hour

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 11 SSOs due to broken pipe in 2012. 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. Over 216 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 2012. This category also includes protruding laterals, dig-ins by contractors, construction failures due to contractors, failures of pump-around efforts, and electrical/mechanical failures at pumping facilities.

KUB continues to look closely at the specific causes within this category to eliminate SSOs, whenever possible. This year 16 SSOs and building backups were caused by grinder pump failures, representing 40 percent of total SSOs in this category. In several cases, the grinder pump failures were outside of KUB's control. One property had three grinder pump failures within two months that resulted in sewer overflows. Two of these overflows were due to a plumbing issue inside the home, and the pump was replaced with a larger version. Other examples of causes include customers inadvertently turning off power to their pumps, customers putting items down their sewer lines that should not go through the pump, and one customer building a retaining wall near the pump that crushed the discharge pipe. In 2011, all KUB-owned grinder pumps were assessed, prioritized, and set on an aggressive maintenance schedule. KUB proactively conducts routine maintenance on these grinder pumps to help prevent future SSOs.

In addition, construction failures caused 15 SSOs and building backups this year. There is a wide range of factors in this category, such as laterals disconnected during construction work, sewer main flushing, bypass pump failures, dig-ins, dewatering containment failures, and blockages caused by construction debris. When these situations occur, they are looked at on a case-by case basis, investigated to determine how the situation could have been prevented, and plans are 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.

Total SSO Volume per Year (Including Building Backups) 120 70 60 424 100 SSOs Volume per Year - Millions of Gallons (Bar) 50 Inches of Rainfall 20 200 20 SSOs 10 SS0s 185 117 109 163 SSOs 124 99 SS0s 90 SSOs SSOs SSOs SS0s SSOs 0 0 2009 2011 2003 2004 2005 2006 2007 2008 2010 2012 Mil Gal Inches of Rainfall

Figure 4.A

Sanitary Sewer Overflow Volumes

Figures 4.A and 4.B represent the SSO volumes between 2003 and 2012. 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 over 96 percent, from 95.66 million gallons in 2003 to 3.81 million gallons in 2012. The dramatic 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 2012 was a result of increased rainfall, and particularly, the result of individual rainfall events of significant magnitude.

In June 2011, KUB achieved substantial completion and the beneficial use of the Lower Third Creek and Second Creek Wastewater Storage Facilities. These tanks add 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.

The effects of the implementation of the two new storage tanks are apparent when comparing the SSO volumes from 2011 to 2012. During the Force Majeure rain event in September 2012, KUB's storage tanks retained approximately 32 million gallons of flow. In fact, the two storage tanks, located at Lower Third Creek and Second Creek were filled to their maximum capacity of 12 million gallons. This one extreme rain event produced almost 2.4 million gallons of volume. The total for 2012 was only 3.81 million gallons. The use of KUB's six storage facilities and ongoing rehabilitation efforts have significantly reduced the flows in the sewer system during heavy rainfall events thereby minimizing the amount of unrecovered volume.

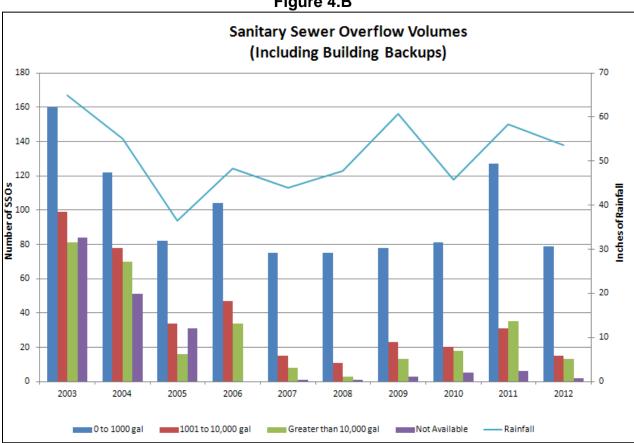


Figure 4.B

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

In 2012, 79 of the 109 SSOs and building backups were 1,000 gallons or less, and out of those, over 91 percent were less than 500 gallons. Most of these events were related to blockages, grinder pumps failures, or other non-rain-related events.

1001 to 10,000 gallons

This volume range can again be related to non-rain events. The trend for this range is related to blockages or broken pipe. There were only 15 SSOs and building backups in this category for 2012.

Greater than 10,000 gallons

These volumes are normally associated with rainfall-related events. The trend from 2003–2004 is similar to the previous categories. The number of events decreased significantly in 2005, however, due in part to a lower than average amount of rainfall as well as significant improvement projects in areas of chronic wet-weather overflows. The increase from 2005 to 2006 can be attributed to the significant three-day event in September 2006. The dramatic decrease in volumes for 2007 and 2008 can be directly correlated to the weather conditions and the use of four storage facilities. The increase in 2009, 2010, and 2011 can be related to the increase in rainfall totals, but the volumes were still substantially reduced by the use of the storage tanks. As mentioned before, the use of the Lower Third Creek and Second Creek storage tanks beginning in June 2011 helped significantly reduce SSO volumes in 2012, especially during the September Force Majeure rain event. Thirteen SSOs and building backups fell into this category in 2012, and out of those, eight fell within the Force Majeure rain event.

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 two cases in 2012 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.

Sanitary Sewer Overflow Durations (Including Building Backups) 200 180 160 140 Numper of SSOs 100 80 60 40 20 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 ■0 to 2 Hours 2.1 to 5 Hours ■ Greater than 5 Hours ■ Not Available

Figure 5

Sanitary Sewer Overflow Durations

Figure 5 represents the SSO durations between 2003 and 2012. 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

This duration range is typically associated with blockage-related events. This category shows a slight increase in 2006 and again in 2009 tracking with rainfall events. Durations decreased in 2007 and 2008. With this category having the highest number of events from 2005 to 2012, the increased response time directed by the SORP is evident. The 2012 Annual MOM Progress Report showed that our average response time for SSOs was 34 minutes. Seventy-five percent of SSOs and building backups in 2012 fell within this range. KUB currently has 17 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 to a high of 71 in 2004. However, the overall average since 2006 has decreased by about 50 percent relative to the average in the previous four years and shows KUB improved response to reduce the duration and volume of SSOs within our system. Only 17 occurrences from 2012 fell within this category.

Greater than 5 hours

These durations are typically associated with rainfall events. This duration range represented the largest number of events from 2003 to 2004. The lowest annual number of occurrences was seven in 2007, and the highest was 177 in 2003. The number of occurrences in this category increased from 2005 to 2006 due to the significant three-day event in September 2006. The number of occurrences dropped significantly in 2007, but increased slightly in 2008. An increase similar to that seen in 2006 was apparent again in 2009–2011, given the rainfall conditions; however, the additional collection system work and storage tanks helped to decrease these occurrences in 2012 to eight.

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 two cases in 2012 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.

Appendix A

Unpermitted Discharges Subject to Stipulated Penalties

2012 Unpermitted Discharge Data and Analysis

Appendix A lists any SSO in 2012 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	1
Vandalism	0
3-day rainfall > 4 in.	0
1-day rainfall > 3 in.	8
Intensity > 0.84 in/hr	1
501 gal <vol <1000="" gal<="" td=""><td>1</td></vol>	1
Vol < 500 gal.	8
Total	19

There was a 61.5 percent decline in unpermitted discharges from 2011 (65) to 2012 (25). Nineteen of the 25 total unpermitted discharges in 2012 fell within one of the categories listed above. Forty-two percent of the unpermitted discharges fell under the "Vol < 500 gal" category, which can be attributed to KUB's efforts in meeting the Sewer Overflow Response Plan's goal of responding to overflows in under 45 minutes. As previously mentioned, KUB's average response time to overflows in 2012 was 34 minutes.

Beginning on September 17, 2012, the Knoxville area experienced a significant 24-hour rainfall event that caused substantial flooding. The majority of our service area received almost six inches that began in the morning on September 17, 2012, and extended through the next 24 hours. These gauges also revealed that the heaviest rainfall fell in the last few hours of the storm after the ground and streams had already received over three inches of rain. During this time, rain intensities reached 1.4 inches per hour in some locations early in the morning on September 18, 2012. Historical data from the National Weather Service (NWS) shows this event was a 50-year return period storm. All eight unpermitted discharges listed in Figure 7 under the "1-day rainfall > 3 in." category occurred during this rain event. KUB requested the September 17–18, 2012 storm event be recognized as a Force Majeure event in a letter to the EPA on October 5, 2012.

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. KUB is ahead of schedule and has already assessed over 76 percent of its gravity collection system. Rehabilitation or replacements have occurred in almost 17 percent of the system to aggressively eliminate SSOs and unpermitted discharges. The emphasis on Management, Operation, and Maintenance (MOM) program efforts, as described in the recently submitted 2012 MOM Progress Report, is also a major contributor to this decline and will continue to be important to further reduce dryweather related events.

Appendix A									
Unpermitte	ed Discharges in 2012								
	8 Overflow volume of 500 gallons or less		8	1-day rainfall > 3"					
	1 Overflow volume of 501 - 1000 gallons		0	3-day rainfall > 4"					
	0 Vandalism		1	Intensity > 0.84 in/hr					
L	1 Electrical or mechanical failure								
Reporting		_	Unrecovered	Receiving			II Totals		Force Majeure
Period	Date Location	Event	Volume (Gal.)	Stream	Cause		3-Day**	Peak Rainfall Intensity (in/hr)	event
1st 2012	1/23/2012 1216 Watercress Drive	Unpermitted Discharge		First Creek	Heavy Rainfall	1.27	2.16	0.49	No
1st 2012	1/23/2012 1500 Lyons Bend Road	Unpermitted Discharge	40,000	Fourth Creek	Heavy Rainfall	1.27	2.16	0.49	No
1st 2012	1/24/2012 3741 Eakers Street	Unpermitted Discharge	Unknown	Baker Creek	Heavy Rainfall	0	1.27		No
1st 2012	2/8/2012 736 Greenmeadows Drive	Unpermitted Discharge	250	Knob Creek	Blockage	0	0		No
1st 2012	3/7/2012 1500 Lyons Bend Road	Unpermitted Discharge	97,300	Fourth Creek	Electrical Failure	0	0		No
2nd 2012	4/5/2012 1216 Watercress Drive	Unpermitted Discharge	200	First Creek	Heavy Rainfall	0.96	1.44	0.55	No
2nd 2012	4/9/2012 5603 Summer Grove Lane	Unpermitted Discharge	100	Grassy Creek	Blockage	0	0		No
2nd 2012	5/12/2012 403 West Oldham Avenue	Unpermitted Discharge	47,000	Second Creek	Broken Gravity Main	0	0		No
2nd 2012	5/14/2012 1216 Watercress Drive	Unpermitted Discharge		First Creek	Heavy Rainfall	1.61	2.18	0.53	No
2nd 2012	5/25/2012 4601 Seminole Road	Unpermitted Discharge	1,800	First Creek	Blockage	0	0.27	0.3	No
3rd 2012	7/18/2012 1216 Watercress Drive	Unpermitted Discharge		First Creek	Construction Failure	0.23	0.23	0.65	No
3rd 2012	7/20/2012 516 N Beaman Street	Unpermitted Discharge			Heavy Rainfall	1.72	1.95	2.06	No
3rd 2012	8/17/2012 524 Ben Hur Avenue	Unpermitted Discharge		Williams Creek	Blockage	0.04	0.2	0.49	No
3rd 2012	9/18/2012 2004 Riverside Drive	Unpermitted Discharge		Williams Creek	Heavy Rainfall	3.43	5.80	1.49	Yes
3rd 2012		Unpermitted Discharge		Second Creek	Heavy Rainfall	3.43	5.80	1.49	Yes
3rd 2012		Unpermitted Discharge		Fourth Creek	Heavy Rainfall	3.43	5.80	1.49	Yes
3rd 2012		Unpermitted Discharge		Fourth Creek	Electrical Failure	3.43	5.80	1.49	Yes
3rd 2012		Unpermitted Discharge		Loves Creek	Electrical Failure	3.43	5.80	1.49	No
3rd 2012		Unpermitted Discharge		First Creek	Heavy Rainfall	3.43	5.80	1.49	Yes
3rd 2012		Unpermitted Discharge		Tennessee River	Heavy Rainfall	3.43	5.80	1.49	No
3rd 2012		Unpermitted Discharge		Knob Creek	Mechanical Failure	3.43	5.80	1.49	Yes
4th 2012 4th 2012	11/5/2012 4923 Ball Road 11/26/2012 5016 Wilford Road	Unpermitted Discharge		Grassy Creek Second Creek	Broken Force Main	0.10	0.07 0.11	0.10 0.12	No No
4th 2012	12/9/2012 1814 E. Glenwood Avenue	Unpermitted Discharge		First Creek	Construction Failure	0.10	0.11	0.12	No
4th 2012	12/20/2012 3006 Coram Street	Unpermitted Discharge Unpermitted Discharge		Second Creek	Blockage Blockage	0.07	0.20	0.42	No No
7111 2012	12/20/2012 3000 Corain Street	onpenniced Discharge	1,150	Occord Oreck	DIOCKAGE	0.70	0.01	0.41	INU
						1			
*1-Day Rainfall	Total is the rain that occurred on the day of the SSO					 			
	Total is the total amount of rain that occurred on the day	ay of the SSO and the the	e 2 days prior						
5 Day Hamilan	. State 15 and 15 tall amount of fair that 555 affect of the de	., 5 555 and the the	= = = = = = = = = = = = = = = = = = =						
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Date	Street # Street	Plant	Watershed	Basin	Private Property Overflow Location 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	V	Future Construction Planned	N/A	N/A
3/17/02 3/17/02	2004 NEYLAND DRIVE 2015 NEYLAND DRIVE	KUW	Third Creek Third Creek	35B 35B	MH 1 Secondary Junction Box	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	Unknown 450,000	Unknown 9	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
3/17/02	1500 LYONS BEND ROAD			37	MH 1	WWTP - Electrical Failure. Electricity was restored.	1,916,000	2	✓	N/A	Repair Completed	N/A
3/18/02	2600 WOODSON DRIVE		South Knoxville		MH 2-1	Heavy rainfall in the area resulted in high flows in the collection system.	3000	10	V	Construction Completed	N/A	N/A
3/18/02 3/18/02	1500 LYONS BEND ROAD 2015 NEYLAND DRIVE		Fourth Creek Third Creek		MH 1 Secondary Junction Box	Heavy rainfall in the area resulted in high flows in the collection system.	134,000 200,000	0.13 5.5	✓ ✓	Construction Underway Future Construction Planned	N/A N/A	N/A N/A
4/19/02	1500 LYONS BEND ROAD		Fourth Creek	37	MH 1	Heavy rainfall in the area resulted in high flows in the collection system. WWTP - Mechanical Failure. Plant was reinstated.	569,000	2	·	N/A	Repair Completed	N/A
5/3/02	2600 WOODSON DRIVE		South Knoxville		MH 2-1	Heavy rainfall in the area resulted in high flows in the collection system.	900	1	V	Construction Completed	N/A	N/A
6/6/02 7/12/02	2004 NEYLAND DRIVE 7661 BUD HAWKINS ROAD	KUW EB	Third Creek Eastbridge	35B 113	MH 1 Wetwell	WWTP - Electrical Failure. Electricity was restored. Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	38,000 1000	0.25	√	Future Construction Planned N/A	N/A Repair Completed	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
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 9/21/02	7712 SHADYLAND DRIVE 2600 WOODSON DRIVE		Fourth Creek South Knoxville	36	MH 36 MH 2-1	Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	180 28,800	3 12	✓ ✓	Construction Completed Construction Completed	BA N/A	12 Months 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
9/22/02	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	4.5	√	Future Construction Planned	N/A N/A	N/A
10/3/02	2004 NEYLAND DRIVE 600 N GALLAHER VIEW ROAD	FC	Third Creek Fourth Creek	35B 32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	5,700,000 1200	4.5	✓ ✓	Future Construction Planned Construction Completed	N/A	N/A N/A
10/4/02	2600 WOODSON DRIVE		South Knoxville		MH 2-1	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	6000	1	✓	Construction Completed	Repair Completed	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
12/5/02	600 N GALLAHER VIEW ROAD 2600 WOODSON DRIVE			32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	18,000	12	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
2/14/03 2/14/03	2004 NEYLAND DRIVE	KUW	South Knoxville Third Creek	35B	MH 2-1 MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	16,500 1,600,000	22 1.5	√	Future Construction Planned	N/A	N/A
2/14/03	2015 NEYLAND DRIVE	KUW		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
2/15/03	1500 LYONS BEND ROAD				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 2/16/03	2004 NEYLAND DRIVE 961 E FORD VALLEY ROAD	KUW	Third Creek Knob Creek	35B 41	MH 1 Wetwell	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	11,700,000 180	16.5 2	✓ ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
2/16/03	1500 LYONS BEND ROAD	FC	Fourth Creek		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		35B 7	MH 1 MH 45	Heavy rainfall in the area resulted in high flows in the collection system.	1,480,000 90	7	√	Future Construction Planned	N/A BA	N/A 12 Months
2/19/03 2/21/03	4606 UPCHURCH ROAD 2004 NEYLAND DRIVE	KUW	First Creek Third Creek	35B	MH 1	Blockage - Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	1,320,000	2.5	√	Construction Underway Future Construction Planned	N/A	N/A
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		Future Construction Planned	BA	12 Months
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
2/22/03	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
2/26/03 2/27/03	7661 BUD HAWKINS ROAD 600 N GALLAHER VIEW ROAD	EB FC	Eastbridge Fourth Creek	113 32A	Wetwell MH 77	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	100 1890	0.17 21	√	N/A Construction Completed	Repair Completed N/A	N/A N/A
3/8/03	4411 CYPRESS LANE		South Knoxville		MH 62-21	Blockage - Roots. The sewer main was flushed & area was cleaned.	1440	8		N/A	BA	12 Months
3/9/03	7112 SHADYLAND DRIVE		Fourth Creek	36	MH 36	Blockage - Debris. The sewer main was flushed & area was cleaned.	19,200	40	✓	Construction Completed	BA	12 Months
3/13/03	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW		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 3/28/03	4713 OLD BROADWAY	KUW	Knob Creek First Creek	7	Wetwell MH 2	Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	600 Unknown	0.34 Unknown	·	Construction Completed Construction Completed	N/A BA	N/A 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	2600 WOODSON DRIVE				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
4/10/03 5/5/03	2004 NEYLAND DRIVE 2600 WOODSON DRIVE	KUW	Third Creek South Knoxville	35B 44	MH 1 MH 2-1	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1,740,000 3300	3 550	✓ ✓	Future Construction Planned Construction Completed	N/A N/A	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	600 N GALLAHER VIEW ROAD	FC	Fourth Creek		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	1500 LYONS BEND ROAD	FC	Fourth Creek		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 5/7/03	2004 NEYLAND DRIVE 961 E FORD VALLEY ROAD	KUW	Third Creek Knob Creek	35B 41	MH 1 Wetwell	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	22,060,000 2100	15 2	√	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
5/7/03	2004 NEYLAND DRIVE				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 7/2/03	1500 LYONS BEND ROAD 600 N GALLAHER VIEW ROAD		Fourth Creek Fourth Creek		MH 1 MH 77	WWTP - Electrical Failure. Electricity was restored. Heavy rainfall in the area resulted in high flows in the collection system.	1,500,000 14,440	3 24	√	Construction Underway	N/A N/A	N/A N/A
7/9/03	1500 LYONS BEND ROAD		Fourth Creek		MH 1	WWTP - Electrical Failure. Electricity was restored.	1,370,000	3.14	√	Construction Completed Construction Underway	N/A N/A	N/A N/A
9/9/03	5246 BENT RIVER BOULEVARD		Fourth Creek		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		Fourth Creek		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		MH 77 MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	3600	4	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	N/A
11/6/03 11/19/03	2004 NEYLAND DRIVE 600 N GALLAHER VIEW ROAD	KUW FC	Third Creek Fourth Creek		MH 77	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	50,000 1920	0.72 8	√	Construction Completed	N/A N/A	N/A N/A
12/11/03	1500 LYONS BEND ROAD	FC			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 2/6/04	4713 OLD BROADWAY 304 SEVENTH AVENUE	KUW	First Creek First Creek	7 18	MH 2 MH 15	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	13,500 6660	18 18.5	√	Construction Completed Future Construction Planned	BA BA	12 Months 12 Months
2/6/04	600 N GALLAHER VIEW ROAD				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	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	4713 OLD BROADWAY 600 N GALLAHER VIEW ROAD	KUW	First Creek	7 32A	MH 2 MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	3150 1680	2.5 3.5	✓	Construction Completed	BA N/A	12 Months N/A
3/6/04 3/6/04	961 E FORD VALLEY ROAD	FC KUW	Fourth Creek Knob Creek	41	Wetwell	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	3000	3.5	√	Construction Completed Construction Completed	N/A	N/A
5/31/04	2600 WOODSON DRIVE		South Knoxville		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		South Knoxville		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		Fourth Creek		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 6/25/04	4713 OLD BROADWAY 1210 E MOODY AVENUE	KUW	First Creek South Knoxville	7 40	MH 2 MH 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	N/A 1080	N/A 2	√	Construction Completed Construction Completed	BA N/A	12 Months 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
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		South Knoxville		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 9/17/04	409 N BELLEMEADE AVENUE 600 N GALLAHER VIEW ROAD	KUW	Third Creek Fourth Creek	28 32A	MH 3-53 MH 77	Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	180 31.680	1 22	√	Construction Completed Construction Completed	BA/Grease Control N/A	1 Month N/A
9/20/04	4713 OLD BROADWAY		First Creek	7 7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	561	5	· ·	Construction Completed Construction Completed	DA	12 Months
	1				1		•	•	•	· ·	—————————————————————————————————————)∠'

SSOs Chronological Sort

						Private			Event occurred			
	2					Property		5 (1 (1))	two or more times		Short-Term Controls	
9/22/04	Street # Street 1500 LYONS BEND ROAD	FC Plant	Watershed Fourth Creek	Basin 37	Overflow Location MH 1	Location Cause of SSO/KUB Response WWTP - Mechanical Failure. Plant was reinstated.	Volume (Gallons) 102,483	0.5	within 12 months	Long-Term Capital Project N/A	Blockage Abatement (BA) Repair Completed	BA Schedule 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 7	Underground Flow	Blockage - Grease. The sewer main was flushed & area was cleaned.	2805	27	✓ ✓	Construction Completed	BA/Grease Control	1 Month 12 Months
11/24/04 11/24/04	4713 OLD BROADWAY 1216 WATERCRESS DRIVE	KUW	First Creek First Creek	7	MH 2 MH 29-9	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	2040 3960	11.3 8.25	•	Construction Completed Construction Underway	BA/Grease Control	6 Months
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 11/30/04	1500 LYONS BEND ROAD 5246 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	37 43	MH 1 Grinder Pump	Heavy rainfall in the area resulted in high flows in the collection system. Grinder Pump Failure. Pump was repaired & the area was cleaned.	250 5	0.007	√	Construction Underway N/A	N/A Repair Completed	N/A N/A
12/1/04	4713 OLD BROADWAY	KUW		7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	37,400	12	✓	Construction Completed	BA	12 Months
12/1/04	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 12/7/04	4713 OLD BROADWAY 600 N GALLAHER VIEW ROAD	KUW FC	First Creek Fourth Creek	7 32A	MH 2 MH 77	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	54,720 390,240	9.5 24	✓ ✓	Construction Completed Construction Completed	BA N/A	12 Months 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	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 BA	1 Month
12/9/04 12/9/04	304 SEVENTH AVENUE 1210 E MOODY AVENUE	KUW	First Creek South Knoxville	18 40	MH 15 MH 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	26,928 85,170	41.75	√	Future Construction Planned Construction Completed	N/A	12 Months 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
12/9/04 12/9/04	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC FC	Fourth Creek Fourth Creek	37 37	Aeration Splitter Box MH 1	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	29,123 113,590	2.67 1.83	✓	Construction Underway Construction Underway	N/A N/A	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
2/10/05 2/15/05	5001 MALONEYVILLE ROAD 2015 NEYLAND DRIVE	EB KUW	Eastbridge Third Creek	109 35B	MH 93-10 #6 Digester	Blockage - Debris. The sewer main was flushed & area was cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	1410 5500	4 0.5	✓	Construction Completed Future Construction Planned	BA N/A	6 Months N/A
2/13/05	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	260000	20	√	Construction Completed	N/A N/A	N/A
2/22/05 2/23/05	2015 NEYLAND DRIVE 125 TILLERY DRIVE	KUW		35B 10	#6 Digester	WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	200	0.17		Future Construction Planned	N/A	N/A 6 Months
3/10/05	5241 BENT RIVER BOULEVARD	FC	Second Creek Fourth Creek	43	MH 16-6 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	720 20	5		N/A N/A	BA/Grease Control Repair Completed	N/A
3/22/05 3/28/05	2015 NEYLAND DRIVE 1500 LYONS BEND ROAD	KUW		35B 37	Filtrate Tank MH 1	Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	200 50,410	0.1	✓	Future Construction Planned Construction Underway	N/A N/A	N/A N/A
4/2/05	600 N GALLAHER VIEW ROAD	FC FC	Fourth Creek Fourth Creek	32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	7,200	20	· ·	Construction Onderway Construction Completed	N/A	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 4/13/05	3741 EAKERS STREET 600 N GALLAHER VIEW ROAD	FC KUW	South Knoxville Fourth Creek	40 32A	MH 47-1 MH 77	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1,200 247,680	4 43	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/19/05	4713 OLD BROADWAY	KUW		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 5/20/05	600 N GALLAHER VIEW ROAD 2015 NEYLAND DRIVE	FC KUW	Fourth Creek Third Creek	32A 35B	MH 77 Primary Clarifiers # 3-4 Influent Boxes	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	5,610 500	2.75 0.17	✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
5/24/05	3741 EAKERS STREET				MH 47	Heavy rainfall in the area resulted in high flows in the collection system.	60	1	✓	Construction Completed	N/A	N/A
6/10/05	7661 BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell	Pump Station - Mechanical Failure due to lightning strike. Station was repaired & the area was cleaned.	2,880	1		N/A	Repair Completed	N/A
7/19/05 8/23/05	600 N GALLAHER VIEW ROAD 2015 NEYLAND DRIVE	FC KUW	Fourth Creek Third Creek	32A 35B	MH 77 Digester MH	Heavy rainfall in the area resulted in high flows in the collection system. WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	1,037	3 0.08	✓	Construction Completed Future Construction Planned	N/A N/A	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
10/31/05 1/17/06	5001 MALONEYVILLE ROAD 5001 MALONEYVILLE ROAD	EB EB	Eastbridge Eastbridge	109 109	MH 93-10 MH 93-10	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	6,101 408	1.5	✓ ✓	Construction Completed	BA BA	6 Months 1 Month
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 Construction Completed	BA	12 Months
1/26/06 4/4/06	4713 OLD BROADWAY 5105 BALL ROAD	KUW FC	First Creek Fourth Creek	7 49	MH 2 Broken Force Main	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	14025 442400	1 252	√	Construction Completed	BA Banair Completed	12 Months N/A
4/8/06	4713 OLD BROADWAY	KUW	First Creek	7	MH 2	Broken System - Broken Force Main. Force main was repaired & the area cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	20196	12	√	N/A Construction Completed	Repair Completed BA	12 Months
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
4/21/06 4/22/06	4411 CYPRESS LANE 4713 OLD BROADWAY	KUW	South Knoxville First Creek	39 7	MH 62-21 MH 2	Blockage - Roots and Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	225 89670	12	√	N/A Construction Completed	BA BA	3 Months 12 Months
4/24/06	600 N GALLAHER VIEW ROAD 8530 CROSSWIND LANDING LANE	FC EB	Fourth Creek	32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	14890	6	√	Construction Completed	N/A Panair Completed	N/A N/A
6/7/06 6/26/06	7661 BUD HAWKINS ROAD	EB	Eastbridge Eastbridge	110	Wetwell Wetwell	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	150 600	0.5		Construction Completed	Repair Completed N/A	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
9/23/06	7112 SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	4320	8		Construction Completed	ВА	6 Months
9/23/06	1216 WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	1440	6		Construction Underway	ВА	6 Months
9/23/06	4600 UPCHURCH ROAD	KUW	First Creek	7	MH 45	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	360	2		Construction Underway	ВА	12 Months
9/23/06	1210 E MOODY AVENUE	KUW	South Knoxville	40	MH 39	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	8640	6	✓	Construction Completed	N/A	N/A
9/23/06	3741 EAKERS STREET	KUW	South Knoxville	40	MHs 47 & 47-103	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	10560	8		Construction Completed	N/A	N/A
9/23/06	961 E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	9000	5		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
9/24/06	4713 OLD BROADWAY	KUW	First Creek	7	MH 2	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	197712	6	✓	Construction Completed	BA	12 Months
9/24/06	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	3310000	5	✓	Construction Completed	N/A	N/A
9/25/06	203 S CHILHOWEE DRIVE	LC	Loves Creek	20	MH 25	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	2160	6		Future Construction Planned	ВА	12 Months
9/25/06	6410 S NORTHSHORE DRIVE		Fourth Creek	37	MH 8	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	304380	6	,	Construction Completed	N/A	N/A
9/28/06 10/27/06	302 SEVENTH AVENUE 2706 MYNDERSE AVENUE	KUW		18 22	MHs 15 & 16 MH 18-3	Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	6209 5100	5	✓ ✓	Future Construction Planned Future Construction Planned	BA BA	6 Months 6 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
11/1/06 12/31/06	1210 E MOODY AVENUE 2004 NEYLAND DRIVE	KUW	South Knoxville Third Creek	40 35A	MH 39 MH 1	Heavy rainfall in the area resulted in high flows in the collection system. WWTP - Mechanical Failure. Plant was reinstated.	720 160000	0.33	✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
1/8/07	302 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	2015 NEYLAND DRIVE	KUW		35B	Ruptured Force Main MH 1	Broken System - Broken Force Main. Force main was repaired & the area cleaned. WWTP - Electrical Failure. Electricity was restored.	10,600	1	√	Future Construction Planned Future Construction Planned	Repair Complete	N/A
3/3/07 6/7/07	2004 NEYLAND DRIVE 1500 LYONS BEND ROAD	KUW FC		35B 37	MH 1 Leaking Valve	WWIP - Electrical Failure. Electricity was restored. Broken System - Sludge Line Valve Failure. The valve was replaced & the area cleaned.	1,170,000 25	1.5 0.58	•	N/A	Repair Completed Repair Complete	N/A N/A
7/23/07	5101 MALONEYVILLE ROAD	EB		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
											005463	J

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SSOs Chronological Sort

Proc. Proc							Private Property				Event occurred two or more times		Short-Term Controls	
Proc. Proc	Date	Street # Street	Plant	Watershed	Basin	Overflow Location		Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)		Long-Term Capital Project		BA Schedule
Part											✓			N/A N/A
												·		6 Months
Property 15							DDU	· · · · · · · · · · · · · · · · · · ·						N/A
The content of the							BBU	· · · · · · · · · · · · · · · · · · ·					<u>.</u>	N/A N/A
Mile Company Company										_				6 Months
April Apri						,					✓			N/A
April Description Company Co					_									N/A N/A
The Content of the		5246 BENT RIVER BOULEVARD						·	25				Repair Completed	N/A
						·		·	1	4			<u> </u>	N/A
Part Mark Professor Part Mark Professor Part Mark Professor Part Mark Professor Part Pa								· · · · · · · · · · · · · · · · · · ·		24	•			N/A 6 Months
150 151	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
Prop														N/A N/A
The control of the						·								N/A
Column										1		•		6 Months
Column C										24				6 Months 6 Months
March Marc								· · · · · · · · · · · · · · · · · · ·	-		✓	· · · · · · · · · · · · · · · · · · ·	=::	6 Months
Column C								· · · · · · · · · · · · · · · · · · ·		9	√			6 Months
Section Control Cont								· · · · · · · · · · · · · · · · · · ·	,		V			N/A N/A
March Marc					2			, , , , , , , , , , , , , , , , , , ,			√	· ·		N/A N/A
No.	1/6/09	961 E FORD VALLEY ROAD	KUW			Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	60,000		✓		N/A	N/A
Authorities 100 101 10								· · · · · · · · · · · · · · · · · · ·	-	-	./			N/A N/A
Column C														N/A N/A
1975 1985								Blockage - Roots. The sewer main was flushed & area was cleaned.						3 Months
Decomposition 1900 2 150 1								-			✓			3 Months N/A
1000 Tello DUARY POWN Fo Septic Cells Septiminary Tello DUARY POWN For Septiminary Tello DUARY POWN For Tello DUARY POWN T	1/10/09	5007 ROWAN ROAD			5				1,080	2		N/A	BA	3 Months
										_				6 Months 6 months
Process Process Column P								•		1				N/A
2000 2000								•		1.5				12 Months
Process Proc										· ·	√			N/A 6 Months
								<u> </u>			✓		=: ':	3 Months
Section Sect										0.25				N/A
Second S								-		1 8				6 Months N/A
Mode	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
Second Content Seco								*		0.5	√			3 Months 6 months
2009 4150 SEELANY CROWLE Fam. For the Seel Private Seel Control Control Fam. Private Seel Control Control Fam. Private Seel Control Fam. Private Seel Fam. Fam.								•		3			BA	6 Months
2009 2003 RECOGNALE LANE FC Four Pices 33							BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	13				=::	6 Months
368 1988 ROSEWOOD ROAD L.C. Loves Creek 109 Commented Grinder Prime and 88U BU This copie of the present prime was expensed. 8 1.5 N.A. Repair Compiled 471079 1988 Prime and 88U BU This copie of the prime read of the prime prime and 88U BU This copie of the prime prime and 88U This copie of the prime prime and 88														N/A N/A
41509 511 500 511 500 512 500 512 513 514						-	BBU		5	1.5				N/A
49/10/09 50/22 YANGA YERF PIGE XIV Their Creek 34 Grinder Furmy Grinder Pump Failure. Pump ass regarded & the area was cleaned 5:0 6:5 NiA Regain Completed 4:2900 10:10 1.00							BBU							N/A
47900 1901 JAKE AVENUE KUW First Creek 25 Webwill Broton System - Rows or Greened 710 2.25 N/A Repair Completed					_	-		•		-				6 months N/A
57/08		1801 LAKE AVENUE	KUW	Third Creek		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
5808 12 to Encoded 15 to Construction Completed NA								<u> </u>						N/A N/A
B909 2305 CLMHAIDENE KUM Theref Creek 358 MH 23-27 Broken System - Broken Gravity Main. The sever main was updated & the area was cleaned. 160 1 N/A Repair Completed								<u> </u>			✓			N/A N/A
511-599 1233 MARYVILLE PIKE	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
52:000 1800 MIDILEBROOK PIKE KUW Third Creek 22											✓			12 Months 6 Months
6009 2501 FENNBANK ROAD LC Loves Creek 105 Lateral Cleanout Blockage - Grease. The sever main was flushed & area was cleaned. 44 4 4 M. A BAGrease Control 61 61/10/9 835 SARRAGUT AVENUE KUW First Creek 16 MH 24-45 Blockage - Debtis. The sever main was flushed & area was cleaned. 54 0.5 N/A N/A 61/10/9 12/10 EMODDY AVENUE KUW South Knowlile 40 MH 39 Blockage - Posts and Debtis. The sever main was flushed & area was cleaned. 60 0.5 N/A N/A 61/10/9 12/10 EMODDY AVENUE KUW South Knowlile 40 MH 39 MH 39 Heavy rainfall in the erae resulted in high flows in the collection system. 61/17/1 3 Construction Completed N/A 61/20/9 12/10 FUNDAY AVENUE KUW Second Creek 10 MH 39 Heavy rainfall in the area resulted in high flows in the collection system. 61/17/1 3 Construction Completed N/A 61/20/9 12/10 FUNDAY AVENUE KUW Second Creek 10 MH 39 Heavy rainfall in the area resulted in high flows in the collection system. 61/17/1 3 Construction Completed N/A 61/20/9 12/10 FUNDAY AVENUE KUW Second Creek 10 MH 39 Construction Debtis. The sever main was flushed & area was cleaned. 15/10 1 N/A BAGreases Control 12/10 61/20/9 12/10 FUNDAY AVENUE KUW Second Creek 10 MH 39 Construction Debtis. The sever main was flushed & area was cleaned. 15/10 1 N/A BAGreases Control 12/10 61/20/9 12/10 FUNDAY AVENUE KUW Third Creek 25 MH 41/3 and Lateral Cleanout Blockage - Grease. The sever main was flushed & area was cleaned. 15/10 1 N/A BAGreases Control 12/10 61/20/9 12/10 FUNDAY AVENUE KUW Third Creek 25 MH 27-6 Blockage - Grease. The sever main was flushed & area was cleaned. 15/10 1 N/A BAGreases Control 12/10 61/20/9 12/10 FUNDAY AVENUE KUW Third Creek 21 MH 27-6 Blockage - Groase. Avenue main was flushed & area was cleaned. 15/10 1 N/A BAGreases Control 12/10 10/10		1800 MIDDLEBROOK PIKE				MH 38		Blockage - Grease. The sewer main was flushed & area was cleaned.	162	1		N/A	BA/Grease Control	3 Months
6/12/09 4300 ROBERTS ROAD EB Eastbridge 113 Ginder Pump Ginder Pump Failure Pump was repaired & the area was cleaned. 30 1 N/A Repair Completed					_	-		, , , , , , , , , , , , , , , , , , , ,	-,	-	√			N/A
61/309 835 FARRAQUI AVENUE KUW First Creek 19								<u> </u>		4				6 Months N/A
17/7/09 1210 MOODY AVENUE KUW South Knowlile 40 MH 39 Heavy printful in the area resulted in high flows in the collection system. 51,771 3 Construction Completed NA										0.5		N/A		N/A
6/18/09 23/03 CLINCH AVENUE KUW Third Creek 53B MH 23-5 Construction Pailure - Blockage by Construction Debris. The sewer main was flushed & area was cleaned. 5.491 1 NA BA/Grease Control 31 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 NA BA/Grease Control 12 6/26/09 49/00 LANDBROOK DRIVE KUW Third Creek 25 MH 4-103 and Lateral Cleanout Blockage - Grease. The sewer main was flushed & area was cleaned. 344 1 NA BA/Grease Control 12 6/26/09 49/00 LANDBROOK DRIVE KUW Third Creek 25 MH 4-103 and Lateral Cleanout Blockage - Grease. The sewer main was flushed & area was cleaned. 344 1 NA BA/Grease Control 12 A/26/09 49/00 LANDBROOK DRIVE KUW Third Creek 35B MH 27-6 Blockage - Roots, Grease, and Debris. The sewer main was flushed & area was cleaned. 153 1.5 NA BA/Grease Control 12 A/26/09 49/00 LANDBROOK DRIVE KUW Third Creek 35B MH 39 Construction Failure - Bypass Pump Failure - Pump was repistated & the area was cleaned. 2,328 0.0168 NA BA/Grease Control 31 A/26/09 A/								· · · · · · · · · · · · · · · · · · ·		0.5			=: :	6 Months
6/22/09 125 TILLERY DRIVE KUW Second Creek 10									- /	3	V			N/A N/A
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 NA BA/Grease Control 31 6/26/09 2305 CLINCH AVENUE KUW Third Creek 25 MH 39 Construction Failure - Pump was reinstated & the area was cleaned. 2,328 0.166 NIA Repair Completed NIA NIA Repair Completed NIA NIA Repair Completed NIA NIA Repair Completed NIA N	6/22/09	125 TILLERY DRIVE	KUW	Second Creek	10	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	150	1		N/A	BA/Grease Control	3 Months
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										•				12 Months 3 Months
71/1/09 2304 WOODS CREEK ROAD LC Loves Creek 105 Grinder Pump Grinder Pump Failure. Pump was repaired & the area was cleaned. 50 1 MH 39 MH 39	6/26/09	2305 CLINCH AVENUE			35B	MH 39			2,328			N/A	Repair Completed	N/A
7/16/09 8205 CORTETLAND DRIVE FC Fourth Creek 32B Lateral Cleanout Blockage - Roots. The sewer main was flushed & area was cleaned. 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. 7/23/09 2636 CHUKAR ROAD FC Fourth Creek 42 Bypass System Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. 7/23/09 5212 BENT RIVER BOULEVARD FC Fourth Creek 43 Grinder Pump Grinder Pump Failure. Pump was repaired & the area was cleaned. 7/27/09 2204 HIGHLAND DRIVE KUW First Creek 4 MH 11-21 Blockage - Roots. The sewer main was flushed & area was cleaned. 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. 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. 8/10/09 4502 MILLERTOWN PIKE LC Loves Creek 6 Lateral Cleanout Construction Failure - Dig-In. Lateral was repaired & the area was cleaned. 9 1 1 M N/A BA N/A BA N/A BA N/A BA N/A BA N/A BA N/A Repair Completed N/A 11 Construction Completed 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. 1 1								Grinder Pump Failure. Pump was repaired & the area was cleaned.	50				Repair Completed	N/A
7/22/09 850 WESTLAND DRIVE FC Fourth Creek 42 Air Release Valve Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. 7/23/09 2636 CHUKAR ROAD FC Fourth Creek 32A Bypass System Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. 7/23/09 5212 BENT RIVER BOULEVARD FC Fourth Creek 43 Grinder Pump Grinder Pump Failure. Pump was repaired & the area was cleaned. 7/27/09 2204 HIGHLAND DRIVE KUW First Creek 4 MH 11-21 Blockage. Roots. The sewer main was flushed & area was cleaned. 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. 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. 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. 8/6/109 4502 MILLERTOWN PIKE LC Loves Creek 6 Lateral Cleanout Completed N/A Air Release Valve Failure. The valve was replaced & the area cleaned. 37 1 1									254 9		· ·			N/A 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. 7/27/09 2204 HIGHLAND DRIVE KUW First Creek 4 MH 11-21 Blockage - Roots. The sewer main was flushed & area was cleaned. 7/28/09 1210 E MODDY AVENUE KUW South Knoxville 40 MH 39 Heavy rainfall in the area resulted in high flows in the collection system. 8/6/09 3741 EAKER S TREET KUW South Knoxville 40 MH 47 Heavy rainfall in the area resulted in high flows in the collection system. 8/11/09 4502 MILLERTOWN PIKE LC Loves Creek 6 Lateral Cleanout Construction Failure - Dig-In. Lateral was repaired & the area was cleaned. 741 504 Intermittently N/A Repair Completed N/A South Intermittently N/A Repair Completed N/A Construction Completed N/A Heavy rainfall in the area resulted in high flows in the collection system. 8/11/09 4502 MILLERTOWN PIKE LC Loves Creek 6 Lateral Cleanout Construction Failure - Dig-In. Lateral was repaired & the area was cleaned.	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.			√	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 31 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 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 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. 20 0.5 Construction 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 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 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 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		2204 HIGHLAND DRIVE	KUW	First Creek	4	MH 11-21		Blockage - Roots. The sewer main was flushed & area was cleaned.	344	1		N/A		3 Months
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 Repair Completed Sulface Construction Failure - Dig-In. Lateral was repaired & the area was cleaned. 137 72 Intermittently N/A Repair Completed Sulface Construction Failure - Dig-In. Lateral was repaired & the area was cleaned.														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 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 Unknown Construction 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	,		N/A	Repair Completed	N/A
005464	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		N/A

						Private				Event occurred			
Date	Street # Street	Plant	Watershed	Basin	Overflow Location	Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
8/12/09	5745 SANDIS LANE	LC	Loves Creek	20	Force Main		Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	5,240	1		N/A	Repair Completed	N/A
8/17/09 8/24/09	119 W GLENWOOD AVENUE 961 E FORD VALLEY ROAD	KUW	First Creek Knob Creek	17 41	Subsurface Wetwell		Blockage - Grease. The sewer main was flushed & area was cleaned. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	900	8 Intermittently 0.17	/	Construction Underway Construction Completed	BA/Grease Control N/A	6 Months N/A
9/23/09	961 E FORD VALLEY ROAD	KUW		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	1210 E MOODY AVENUE		South Knoxville		MH 40		Heavy rainfall in the area resulted in high flows in the collection system.	1,780	3	V	Construction Completed	N/A	N/A
9/26/09	1411 DAVANNA STREET 3741 EAKERS STREET	KUW	Second Creek South Knoxville	15 40	MH 8 MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	350 1.900	3	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/26/09	961 E FORD VALLEY ROAD	KUW		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	1500 LYONS BEND ROAD	FC	Fourth Creek	37	MH 1 MH 1		WWTP - Electrical Failure. Electricity was restored.	40,000	0.06	✓ ✓	Construction Underway	N/A	N/A
9/26/09 9/27/09	2004 NEYLAND DRIVE 961 E FORD VALLEY ROAD	KUW	Second Creek Knob Creek	35A 41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	250,000 1,800	0.26 1	∨	Future Construction Planned Construction Completed	N/A N/A	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
9/29/09 10/15/09	8012 W CLIFF DRIVE 4201 ASHEVILLE HIGHWAY	FC LC	Fourth Creek Loves Creek	32A 20	MH 36-7 MH 34-23		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	65 50	0.5		N/A Construction Completed	BA/Grease Control N/A	6 Months 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		South Knoxville		MH 62-21		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,870	2		N/A	BA N/A	6 Months
10/26/09 10/30/09	6905 WESTLAND DRIVE 1408 MIDDLE DRIVE	FC KUW	Fourth Creek Second Creek	36 35A	Subsurface Subsurface		Blockage - Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	4,745 7,190	6.5		Construction Completed N/A	N/A Repair Completed	N/A 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 11/8/09	212 DRY GAP PIKE 6116 SEVIERVILLE PIKE	KUW	Second Creek South Knoxville	5 41	MH 16-67 MH 107-2		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	205 510	1		N/A N/A	N/A BA/Grease Control	N/A 6 months
11/12/09	2126 TENNESSEE AVENUE	KUW		22	MH 16-13		Blockage - Grease: The sewer main was flushed & area was cleaned. 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		29	MH 8-10		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	60 40	1 0.5	/	N/A	BA/Grease Control N/A	12 Months N/A
12/9/09 12/9/09	2536 CECIL AVENUE 1500 LYONS BEND ROAD	KUW FC	First Creek Fourth Creek	18 37	MH 30-11 MH 1		WWTP - Electrical Failure. Electricity was restored.	480,000	0.45	· ·	Construction Completed N/A	Repair Complete	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
12/12/09 12/15/09	5227 MCNUTT ROAD 1411 DAVANNA STREET	KUW	Knob Creek Second Creek	41 15	MH 96 MH 8		Blockage - Unknown. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	1,061 Unknown	1 Unknown	/	Future Construction Planned Construction Completed	BA N/A	6 Months N/A
12/16/09	4315 CLINTON HIGHWAY		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 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	✓	Future Construction Planned	BA/Grease Control	6 Months
1/6/10 1/18/10	905 KERMIT DRIVE 229 LYNNWOOD DRIVE	KUW		3	MH 4-36 MH 2-98		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	1080 130	1.5 0.5		N/A N/A	BA BA	6 Months 6 Months
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
1/24/10	2536 CECIL AVENUE	KUW		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 1/24/10	304 SEVENTH AVENUE 1109 BIDDLE STREET	KUW		18 25	MH 15	BBU	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned.	90	3		Future Construction Planned N/A	BA BA	6 Months
1/24/10	2414 BERNHURST DRIVE	KUW	Williams Creek First Creek	4	Lateral Cleanout & BBU MHs 18-58, 18-54 & 18-53	ВВО	Blockage - Notis. The sewer main was flushed & area was cleaned.	5550	10		N/A	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 9		N/A	N/A	N/A
1/25/10 1/25/10	600 N GALLAHER VIEW ROAD 1411 DAVANNA STREET	FC KUW	Fourth Creek Second Creek	32A 15	MH 77 MH 8		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	95580 Unknown	Unknown	✓	Construction Completed Construction Completed	N/A N/A	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	4505 MIDDLEBROOK PIKE	KUW		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 1/25/10	5546 WILKERSON ROAD 1210 E MOODY AVENUE	KUW	Third Creek South Knoxville	9 40	Lateral Cleanout MH 39		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	5 Unknown	1 Unknown	✓	Future Construction Planned Construction Completed	N/A NA	N/A NA
1/25/10	3741 EAKERS STREET		South Knoxville		MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	NA	NA
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
1/26/10 1/27/10	4713 OLD BROADWAY 4600 UPCHURCH ROAD	KUW		7	MH 2 MH 45		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	3400 105	12 1		Future Construction Planned Construction Underway	BA BA	12 Months 6 Months
1/27/10	4611 KINGSTON PIKE	KUW	Third Creek	34	Broken Sewer Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,000	1		N/A	Repair Completed	N/A
1/28/10	702 E INSKIP DRIVE	KUW	First Creek	7	MH 29-63		Blockage - Debris. The sewer main was flushed & area was cleaned.	410	1		Future Construction Planned	BA	12 Months
2/2/10	2706 MYNDERSE AVENUE	KUW		22	MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system.	1000 250	1	✓	Future Construction Planned N/A	BA/Grease Control	6 Months
2/4/10 2/5/10	4025 THORNWOOD ROAD 2706 MYNDERSE AVENUE	KUW		13 22	MH 17-92 MH 18-3		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	11500	8	✓	Future Construction Planned	BA BA	6 Months
2/5/10	2430 HIGHLAND DRIVE	KUW		4	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	2290	1.5		N/A	BA	6 Months
2/5/10	2621 BRAGG STREET	KUW		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 2/10/10	7104 ROTHERWOOD DRIVE 800 BENNETT PLACE	FC FC	Fourth Creek Fourth Creek	36 32B	MH 34 Broken Gravity Main		Heavy rainfall in the area resulted in high flows in the collection system. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	51015 45900	71 72	✓ ✓	Construction Completed Construction Completed	N/A Repair 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
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 2/19/10	100 THIRTEENTH STREET 6410 S NORTHSHORE DRIVE	KUW FC	Second Creek Fourth Creek	23 37	Broken Sewer MH 8		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	100 Unknown	1 Unknown		N/A Construction Completed	Repair Completed N/A	N/A N/A
2/19/10	5713 MILLERTOWN PIKE	LC	Loves Creek	6	Broken Sewer		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	5	1.5		N/A	Repair Completed	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
3/8/10	1904 SANDERSON ROAD	KUW		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 3/10/10	955 KNOXVILLE COLLEGE DRIVE 6024 BROOKVALE LANE	KUW FC	Third Creek Fourth Creek	33	MH 6-78 MH 15		Vandalism. Blockage was removed & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	1250 Unknown	1 Unknown		N/A Construction Completed	BA N/A	12 Months N/A
3/12/10	4804 BAY STREET	KUW		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			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 3/19/10	5732 TENNYSON DRIVE 6549 CREEKHEAD DRIVE	FC FC	Fourth Creek Fourth Creek	32A 32A	MH 49-182 MH 49-2		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	20,825 2,030	168 Intermittently 0.5		N/A N/A	BA BA	6 Months 12 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
3/23/10	2004 NEYLAND DRIVE	KUW			MH 1		WWTP - Electrical Failure. Electricity was restored.	50000	0.05		Future Construction Planned	N/A	N/A
4/3/10 4/9/10	5236 BENT RIVER BOULEVARD 8630 ASHEVILLE HIGHWAY	FC FB	Fourth Creek	43 72	Grinder Pump	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	10 950	3 15		N/A N/A	Repair Completed BA	N/A 12 Months
4/9/10	5246 BENT RIVER BOULEVARD	EB FC	Eastbridge Fourth Creek	43	Private Property/BBU Grinder Pump	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	95U 5	3	✓	N/A N/A	Repair Completed	12 Months 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
4/17/10	5105 BALL ROAD	KUW		49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	72675	2		N/A	Repair Completed	N/A
4/30/10 5/3/10	6712 DEANE HILL DRIVE 2536 CECIL AVENUE	FC KUW	Fourth Creek First Creek	36 18	MH 3-176 MH 30-11		Broken System - Manhole Failure. The manhole was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	4320 4200	2.25	✓	N/A Construction Completed	Repair Completed BA	N/A 6 Months
5/3/10	601 ARTHUR STREET	KUW		23	MH 19-132		Blockage - Grease. The sewer main was flushed & area was cleaned.	360	2		N/A	BA	6 Months
5/3/10	1411 DAVANNA STREET		Second Creek		MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	3600	3	V	Construction Completed	N/A	N/A
5/3/10 5/3/10	1210 E MOODY AVENUE 3741 EAKERS STREET		South Knoxville South Knoxville		MH 39 MH 47		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	750 450	5 2.5	✓	Construction Completed Construction Completed	NA NA	NA NA
3/3/10	The state of the s		20001 TOTOXVIIIC	10	1811.21			1.55		1	Some addition Completed	00546	

					Private			Event occurred			
D-11-	Street #	Di	Watasahad	Basis Guardian Landian	Property	V-l (0-ll)	D(1	two or more times	Lawa Tawa Canital Basis of	Short-Term Controls	DA Colondado
5/3/10	Street # Street 5816 HOLSTON HILLS ROAD	Plant LC	Watershed Loves Creek	Basin Overflow Location 26 MH 104-4 and BBU	Location Cause of SSO/KUB Response	940	1.5	within 12 months	Long-Term Capital Project N/A	Blockage Abatement (BA) Repair Completed / BA	BA Schedule 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 5/16/10	4509 LANDON DRIVE 3628 LUCINDA DRIVE	KUW	Third Creek First Creek	11 MH 11-229 3 Lateral Cleanout	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	50 18	1 2		N/A N/A	BA/Grease Control BA	6 Months 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
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 5/23/10	410 HASTINGS LANE 1312 CASSELL DRIVE	FC	Fourth Creek	33 MH 32-48 10 MH 14-101	Blockage - Roots. The sewer main was flushed & area was cleaned.	200	1	✓	N/A N/A	BA BA	6 Months 6 Months
6/10/10	6310 ROBERTS ROAD	KUW	Second Creek Eastbridge	111 Broken Force Main	Blockage - Grease. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	150	1	•	N/A 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 6/28/10	5660 COLONIAL CIRCLE 2911 JERSEY AVENUE	KUW	First Creek Third Creek	3 MH 14-2 29 MH 8-30	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	5,600 3.200	12 24		N/A Construction Underway	BA BA	12 Months 3 Months
7/5/10	3808 W BLOUNT AVENUE		South Knoxville		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	13000	24		N/A	Repair Completed	NA NA
7/11/10	415 FORESTAL DRIVE 4605 CROSBY DRIVE	KUW		8 MH 7-91	Blockage - Grease. The sewer main was flushed & area was cleaned.	200 1450	2		N/A N/A	BA BA	6 Months 6 Months
7/13/10 7/15/10	2201 HIGHLAND AVENUE	KUW	Third Creek Third Creek	28 Lateral Cleanout 29 MH 9-29	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A 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 7/29/10	8530 CROSSWIND LANDING LANE 720 WOODVIEW DRIVE	EB KUW	Eastbridge Second Creek	110 Wetwell 5 MH 35-2	Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	3000	5		N/A N/A	Repair Completed BA	N/A 6 Months
8/3/10	2636 MARYVILLE PIKE		South Knoxville	1 1	Vandalism - Bypass Pump Vandalised. Pump was repaired & the area was cleaned.	60	0.15		NA NA	Repair Completed	NA NA
8/3/10	2641 MARYVILLE PIKE	KUW	Knob Creek	45 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	4		NA	Pump was repaired	NA
8/9/10 8/12/10	6401 OLD VALLEY ROAD 4351 FALCONITE WAY	KUW	South Knoxville Third Creek	41 MH 67-3 13 MH 10	Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	35 7500	3 24		NA N/A	BA Repair Completed	6 Months 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	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
8/16/10 8/26/10	1104 MCCALLA AVENUE 800 BENNETT PLACE	KUW FC	First Creek Fourth Creek	24 MH 11-1 32B Broken Gravity Main	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	1000 7750	24		N/A Construction Completed	Repair Completed Repair Completed	N/A 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 9/11/10	8083 KINGSTON PIKE 1411 DAVANNA STREET	FC KUW	Fourth Creek Second Creek	32 MH 9-4 15 MH 8	Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	24000 1000	48	/	N/A Construction Completed	Repair Completed N/A	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 Underway	N/A N/A	N/A N/A
9/12/10	5915 NEUBERT SPRINGS ROAD	KUW	Knob Creek	41 Unnamed Manhole at Facility	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	294000	3.5	✓	Construction Underway	N/A	N/A
9/26/10 10/25/10	906 BATHURST ROAD 4509 PAPERMILL DRIVE	FC KUW	Fourth Creek Third Creek	32 MH 4-23 28 MH 31	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	5 500	0.5		Construction Completed N/A	BA BA	12 Months 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 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	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	,	Construction Completed	BA	12 Months
11/30/10 11/30/10	2536 CECIL AVENUE 3410 BORIGHT DRIVE	KUW	First Creek First Creek	18 MH 30-11 8 MHs 45, 44, 43, 42, 41, 40 and 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	17250 12750	8	✓	Construction Completed Future Construction Planned	BA BA	6 Months 6 Months
11/30/10	1908 JEFFERSON AVENUE	KUW		24 Lateral Cleanout	Heavy rainfall in the area resulted in high flows in the collection system.	180	3	✓	Construction Underway	N/A	N/A
11/30/10	2600 WOODSON DRIVE			44 MH 2-1	Heavy rainfall in the area resulted in high flows in the collection system.	2150 4700	3	✓	Construction Completed	NA N/A	NA N/A
12/1/10 12/1/10	1411 DAVANNA STREET 1500 LYONS BEND ROAD	KUW FC	Second Creek Fourth Creek	15 MH 8 37 MH 1	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1840000	11.5	•	Construction Completed Construction Underway	N/A N/A	N/A N/A
12/1/10	3741 EAKERS STREET	KUW	South Knoxville		Heavy rainfall in the area resulted in high flows in the collection system.	1500	3		Construction Completed	NA	NA
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
12/3/10 12/3/10	1216 WATERCRESS DRIVE 100 LEBANON STREEET	KUW		7 MH 29-9 34 Private Manhole	Heavy rainfall in the area resulted in high flows in the collection system. Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	1000 40	3		Construction Underway N/A	BA Repair Completed	6 Months 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
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 1/1/2011	2204 HIGHLAND DRIVE 5011 KINGSTON PIKE	FC	First Creek Fourth Creek	4 Broken Sewer 34 MH 58	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	450 600	3	/	N/A Construction Completed	Repair Completed N/A	N/A N/A
1/1/2011	1411 DAVANNA STREET	_	Second Creek		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	1500 LYONS BEND ROAD		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	KI IW	Williams Creek	Lateral Cleanouts at 2522, 2524, 2526 & 2	28 E. 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		41 Unnamed Manhole at Facility	Heavy rainfall in the area resulted in high flows in the collection system.	224,000	4.4	✓	Construction Underway	N/A	N/A
1/8/2011	2726 WILSON AVENUE		Williams Creek		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 5405 GREEN VALLEY DRIVE	LC KUW	Second Creek Loves Creek		Blockage - Grease. The sewer main was flushed & area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	300 20	0.5	✓	N/A Construction Completed	BA/Grease Control N/A	6 Months N/A
1/24/2011	500 MIMOSA AVENUE		South Knoxville		Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	10,000	5		N/A	Repair Completed	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
1/25/2011	5235 BENT RIVER BOULEVARD 117 SIXTEENTH STREET	FC KUW	Fourth Creek Second Creek	43 Broken Gravity Main 23 MH 21-33	Broken System - Broken Force Main. Force main was repaired & the area cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	10 700	1.5		N/A N/A	Repair Completed Repair Completed	N/A 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		38 MH 49-9	Blockage - Roots. The sewer main was flushed & area was cleaned.	65	2		N/A	BA	6 Months
2/6/2011 2/15/2011	1908 EDGEWOOD AVENUE 2236 MARTIN LUTHER KING JR DRIVE	KUW		16 Water Meter Well 24 MH 6-154	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	180 30	1		N/A N/A	Repair Completed BA	N/A 6 Months
2/15/2011	6140 KIRBURY LANE	FC	Fourth Creek		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	1		N/A	BA	12 Month
2/15/2011	3413 KINGSTON PIKE	KUW		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
2/16/2011 2/16/2011	604 BEN HUR AVENUE 512 FLENNWOOD WAY		Williams Creek South Knoxville		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	500 3,200	1.5		N/A N/A	BA/Grease Control	6 Months 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
2/17/2011 2/23/2011	850 TALLY HO DRIVE 6505 VINTAGE DRIVE	KUW	South Knoxville Third Creek	39 MH 62-21 11 MH 48-38	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	150 150	1		N/A N/A	BA/Grease Control BA	9 Months 12 Months
2/23/2011	1932 OLD AMHERST ROAD		Fourth Creek	27 Lateral Cleanout	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	3,000	4		Construction Completed	BA/Grease Control	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 4800 MALONEYVILLE ROAD	KUW	Second Creek Eastbridge	15 MH 21-53 109 Bar Screen	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	500 3,750	1.25		N/A Construction Completed	BA/Grease Control BA	6 Months 3 months
212012U I I				MH 22-33, Broken Lateral & BBU at 3218			1.20		Construction Completed		3 1110111115
2/28/2011	3218 AVONDALE AVENUE	KUW		8 Avondale Avenue	BBU Blockage - Grease. The sewer main was flushed & area was cleaned.	1,500	3		N/A	BA	12 Months
2/28/2011	3814 WOODLAKE DRIVE 2500 CEDAR LANE	KUW	First Creek First Creek	1 Lateral Cleanout 4 MH 22-13	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	400 500	4	√	Construction Completed Construction Completed	N/A N/A	N/A N/A
2/28/2011	2102 WASHINGTON AVENUE	KUW		24 MH 25-114	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	190,000	4		Construction Completed Construction Completed	N/A N/A	N/A N/A
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 2/28/2011	1127 E MOODY AVENUE 1411 DAVANNA STREET		South Knoxville Second Creek		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	600 5,800,000	2	/	Construction Completed Construction Completed	N/A N/A	N/A N/A
_, _U, _U I	. TIT DAY MAKE OTHER	INUVV	Sessific Steek	IVII O	ricary rannam in the creat resulted in high nows in the conection system.	5,000,000	·	· · · · · · · · · · · · · · · · · · ·	Construction Completed	00546	

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						Private Property				Event occurred two or more times		Short-Term Controls	
Date	Street # Street	Plant	Watershed	Basin	Overflow Location	Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)		Long-Term Capital Project	Blockage Abatement (BA)	BA Schedule
2/28/2011	113 DRINNEN AVENUE 1500 LYONS BEND ROAD		South Knoxville	39 37	MHs 28-26 & 28-27 MH 1		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	600	2 5.75	V	Construction Completed Construction Underway	N/A N/A	N/A N/A
2/28/2011	2004 NEYLAND DRIVE	FC KUW	Fourth Creek Second Creek		MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	590,000 360,000	0.5	· ·	Future Construction Planned	N/A N/A	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 2/28/2011	815 S CENTRAL STREET 2640 MORGAN CIRCLE	KUW		30 35B	MH 3-7 MH 4-19		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	100 1,500	8		Future Construction Planned Future Construction Planned	N/A N/A	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 3/1/2011	923 OAKLETT DRIVE 5205 HAYNES-STERCHI ROAD	KUW	Second Creek Second Creek	5	Wetwell MH 35-4		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	9,000 500	1.5 1		Future Construction Planned N/A	N/A BA	N/A 3 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. Blockage - Debris. The sewer main was flushed & area was cleaned.	50	1		N/A	BA	6 Months
3/1/2011	1940 OLD AMHERST ROAD	FC		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 3/1/2011	3741 EAKERS STREET 1521 FAIRMONT BOULEVARD	KUW	South Knoxville First Creek	40 16	MH 47 Temporary Lateral Connection		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	67,500 30	3	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/1/2011	2415 TECOMA DRIVE	KUW		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 3/1/2011	411 W BAXTER AVENUE 600 N GALLAHER VIEW ROAD	KUW FC	Second Creek Fourth Creek	23 32A	MH 49 MH 77		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	800,000 24,000	4		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
3/2/2011	5508 GREEN VALLEY DRIVE	LC	Loves Creek	26	Broken Pipe		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	2,025	1	·	Construction Completed	N/A	N/A
3/2/2011	3011 E GOV JOHN SEVIER HIGHWAY	KUW		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 3/2/2011	4600 UPCHURCH ROAD 2430 HIGHLAND DRIVE	KUW		7	MH 45 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	100 120	2		Construction Underway Future Construction Planned	N/A N/A	N/A 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
3/3/2011	1216 WATERCRESS DRIVE	KUW		7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	V	Construction Underway	N/A	N/A
3/3/2011 3/4/2011	4105 CENTRAL AVENUE PIKE 304 SEVENTH AVENUE	KUW	Second Creek First Creek	10 18	MH 17-8 MH 15		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	100 200	1	√	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
3/6/2011	2536 CECIL AVENUE	KUW		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		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 3/7/2011	6540 CREEKHEAD DRIVE 243 GILBERT LANE	FC KUW	Fourth Creek South Knoxville	32A 40	MH 49-4 Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	12,200 5,000	2		N/A N/A	BA/Grease Control	12 Months 6 Months
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	2536 CECIL AVENUE	KUW		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 3/10/2011	1500 LYONS BEND ROAD 2377 NEYLAND DRIVE	FC KUW	Fourth Creek Third Creek	37 35B	MH 1 MH 3		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	160,000 Unknown	2.38 Unknown	✓	Construction Underway Future Construction Planned	N/A N/A	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
3/12/2011 3/12/2011	1218 GLADE HILL DRIVE 1712 POLKWRIGHT LANE	LC FC	Loves Creek Fourth Creek	32A 37	MHs 30-50 & 30-52 Grinder Pump		Blockage - Grease. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	670 5	2.5 1		N/A N/A	BA/Grease Control Repair Completed	12 Months N/A
3/13/2011	1716 POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned. 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		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 3/22/2011	123 INGERSOLL AVENUE 4713 OLD BROADWAY	KUW	South Knoxville First Creek	39 7	Lateral Cleanout MHs 2 & 63		Blockage - Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	12 Unknown	1 Unknown	✓	N/A Future Construction Planned	BA N/A	6 Months N/A
3/24/2011	409 N BELLEMEADE AVENUE	KUW		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
3/29/2011 4/4/2011	702 REDWINE STREET 2641 MARYVILLE PIKE	KUW		39 45	MH 5 Grinder Pump		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	100 10	0.25 1		N/A N/A	Repair Completed	N/A N/A
4/5/2011	4228 CROSBY DRIVE	KUW		28	MH 27-3		Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	75	1		N/A N/A	Repair Completed 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 4/14/2011	3526 BUFFAT MILL ROAD 4418 KINGSTON PIKE	KUW		18 34	MH 65-19 and BBU Lateral Cleanout	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned. roken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	300 10	4		N/A N/A	BA Repair Completed	12 Months N/A
4/16/2011	4421 ROYALVIEW ROAD	KUW		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	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 4/16/2011	2544 FAIR DRIVE 1411 DAVANNA STREET	KUW		15	MH 77 MH 8		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	100 #REF!	1	/	Construction Completed Construction Completed	N/A N/A	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
4/16/2011	3741 EAKERS STREET		South Knoxville		MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	1,900	1	V	Construction Completed	N/A	N/A
4/16/2011 4/16/2011	1500 LYONS BEND ROAD 2004 NEYLAND DRIVE	FC	Fourth Creek Second Creek	37 35A	MH 1 MH 1		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	350,000 20,000	2.82 0.18	✓	Construction Underway Future Construction Planned	N/A N/A	N/A N/A
4/16/2011	2004 RIVERSIDE DRIVE		Williams Creek		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 4/16/2011	4100 CENTRAL AVENUE PIKE 600 N GALLAHER VIEW ROAD	KUW FC	Second Creek	10 32A	MH 17-9 MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	800 264,000	4 22	√	Future Construction Planned	N/A N/A	N/A N/A
4/16/2011	4713 OLD BROADWAY	KUW		7 7	MHs 2 & 63		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	24,500	3	√	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/16/2011	3410 BORIGHT DRIVE	KUW		8	MHs 43 & 44		Heavy rainfall in the area resulted in high flows in the collection system.	2,250	4	√	Future Construction Planned	N/A	N/A
4/17/2011 4/18/2011	3814 WOODLAKE DRIVE 5546 WILKERSON ROAD	KUW		9	Lateral Cleanout Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	20 50	1	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	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
4/21/2011 4/24/2011	4505 MIDDLEBROOK PIKE 3901 BONNIE VIEW AVENUE	KUW LC	Third Creek Loves Creek	21 20	MHs 16-48 & 2 Unnamed Manholes MH 74-8		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	72,000 50	6		Future Construction Planned N/A	N/A BA/Grease Control	N/A 6 Months
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	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 4/28/2011	3741 EAKERS STREET 1500 LYONS BEND ROAD	FC	South Knoxville Fourth Creek		MHs 47 & 47-103 MH 1		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	100 680,000	1 5.82	✓ ✓	Construction Completed Construction Underway	N/A N/A	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	✓	Future Construction Planned	N/A	N/A
4/28/2011 4/28/2011	304 SEVENTH AVENUE 600 N GALLAHER VIEW ROAD	FC KUW	First Creek Fourth Creek	18 32A	MH 15 MH 77		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	5 36,000	1 3	√	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/29/2011	6928 WESTLAND DRIVE	FC		36	Broken Gravity Main	В	roken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	57,000	2		N/A	Repair Completed	N/A
4/29/2011 5/2/2011	1704 POLKWRIGHT LANE 3604 HILLVALE CIRCLE	FC KUW	Fourth Creek Third Creek	37 38	Grinder Pump MH 1-115		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5 100	0.25 6		N/A	Repair Completed	N/A N/A
5/9/2011	2639 LOUISE AVENUE		Williams Creek		MH 5-1		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	540,000	24		Construction Completed N/A	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 5/11/2011	2524 JACOB DRIVE 5356 BENT RIVER BOULEVARD	KUW FC	Third Creek Fourth Creek	35B 43	MH 4-9 Grinder Pump		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	2,000 5	2 1		N/A N/A	Repair Completed Repair Completed	N/A 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		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 6/6/2011	1216 GLENOAKS DRIVE 2305 CLINCH AVENUE	KUW		7 35B	Lateral Cleanout MH 39		Blockage - Roots, Grease, and Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	30 750	1		N/A N/A	BA/Grease Control BA	12 Months 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 6/11/2011	814 W FOURTH AVENUE 4304 ROBERTS ROAD	KUW	Second Creek Eastbridge	23 113	MH 19-189 Grinder Pump		Blockage - Debris. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5,550 6	1.5 1	✓	N/A N/A	BA/Grease Control Repair Completed	12 Months N/A
6/14/2011	2010 E FIFTH AVENUE	KUW		24	Broken Gravity Main	В	roken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	7,800	2.5		N/A N/A	Repair Completed Repair 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
6/24/2011	1411 DAVANNA STREET 1216 WATERCRESS DRIVE	KUW		15 7	MH 8 MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed Construction Underway	N/A N/A	N/A N/A
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SSOs Chronological Sort Page 6

						Private				Event occurred		Chart Tarm Cantrala	
Date	Street # Street	Plant	Watershed	Basin	Overflow Location	Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
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	√	Future Construction Planned	N/A	N/A
6/24/2011	1722 POLKWRIGHT LANE 304 SEVENTH AVENUE	FC KUW	Fourth Creek First Creek	37 18	Grinder Pump MH 15		Grinder Pump Failure. Pump was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	5 200	0.08	√	N/A Future Construction Planned	Repair Completed N/A	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
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
7/2/2011 7/7/2011	5936 MONTINA ROAD 800 GRAVES STREET	KUW	Third Creek Williams Creek	9 25	MHs 17-212 & 17-210 MH 31		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	3,300 500	4		N/A N/A	BA/Grease Control	12 Months 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	DDU	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Underway	N/A	N/A
7/13/2011 7/20/2011	719 E LAKE FOREST DRIVE 1912 CUMBERLAND AVENUE	KUW	Knob Creek Third Creek	41 35b	Lateral Cleanout and BBU Lateral Cleanout	BBU	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	225 150	0.083		N/A N/A	Repair Completed Repair Completed	N/A 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 701 WORLDS FAIR PARK DRIVE	KUW	Knob Creek	41 23	Broken Force Main MH 19-9		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	1,000 300	1		N/A	Repair Completed N/A	N/A N/A
8/4/2011 8/11/2011	516 N BEAMAN STREET	KUW LC	Second Creek Loves Creek	20	MH 61-8		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.25		Construction Completed Construction Underway	BA	6 Months
8/15/2011	110 SIXTEENTH STREET		Second Creek	23	MH 21-177		Blockage - Debris. The sewer main was flushed & area was cleaned.	200	1		N/A	BA/Grease Control	12 Months
8/22/2011 8/24/2011	1134 FERD HICKEY ROAD 5247 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	32a 43	MH 30-39 Grinder Pump		Blockage - Roots. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	2,000	2		N/A N/A	BA Repair Completed	12 Months 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 N/A	Repair Completed	N/A
9/5/2011	1308 ADAIR DRIVE 1500 LYONS BEND ROAD	KUW	First Creek	7	Lateral Cleanout MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	500	5 17.35	_	Construction Underway	N/A	N/A N/A
9/5/2011 9/5/2011	1903 JEFFERSON AVENUE	FC KUW	Fourth Creek First Creek	37 24	MH 25-18 & Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1,240,000 2,700	5	√	Construction Underway Construction Underway	N/A N/A	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 NORTHSHORE DRIVE 2111 MOHAWK AVENUE	FC	Fourth Creek Williams Creek	37 25	MH 8 MH 4-2		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	13,000 5,400	1 12	√	Construction Completed N/A	N/A BA/Grease Control	N/A 12 Months
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 Underway	N/A	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
10/1/2011	206 HILLVIEW AVENUE 4304 ROBERTS ROAD	LC EB	Loves Creek Eastbridge	113	MH 29-145 & Lateral Cleanout Grinder Pump		Blockage - Roots. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	500	0.5	_	N/A N/A	BA Repair Completed	12 Months 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. 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 50	0.25	✓	N/A	Repair Completed	N/A
10/21/2011	5401 MONTCREST ROAD 409 N WINSTON ROAD	KUW FC	First Creek Fourth Creek	4 32B	MH 35-25 MH17-1		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50 50	1 2		N/A N/A	Repair Completed Repair Completed	N/A 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	12 Months
11/12/2011	1017 ANDES ROAD 1908 JEFFERSON AVENUE	LC KUW	Loves Creek First Creek	26 24	MH 72-152 Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	250 50	2	✓	N/A Construction Underway	BA/Grease Control N/A	12 Months 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 Underway	N/A	N/A
11/17/2011	1919 TENNESSEE AVENUE	KUW	Third Creek	22 8	2 Lateral Cleanouts		Blockage - Debris. The sewer main was flushed & area was cleaned.	900	2		N/A	BA Banair Campleted	12 Months
11/22/2011	2885 TAZEWELL PIKE 5405 LANCE DRIVE	KUW	First Creek Third Creek	21	Unnamed MH MH 10-85		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	1,500 300	3		N/A N/A	Repair Completed BA	N/A 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 1500 LYONS BEND ROAD	FC FC	Fourth Creek Fourth Creek	43 37	Broken Force Main MH 1		Broken System - Broken Force Main. Force main was repaired & the area cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	200 398,650	6.42		N/A Construction Underway	Repair Completed N/A	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 Underway	N/A	N/A
11/28/2011	2110 ATCHLEY STREET		South Knoxville		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
12/4/2011 12/4/2011	520 CHEROKEE BOULEVARD 3319 FOUNTAIN PARK BOULEVARD	KUW	Third Creek First Creek	38 18	Broken Gravity Main MH 72		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	3,500 325	4.5		N/A N/A	BA/Grease Control	12 Months 12 Months
12/10/2011	621 MILLIGAN STREET		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 and BBU	BBU	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	30	2		N/A	Repair Completed	N/A
12/13/2011 12/24/2011	1300 ALCOA HIGHWAY 5347 BENT RIVER BOULEVARD	KUW FC	Third Creek Fourth Creek	35B 43	MH 18-3 Grinder Pump and BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	650 5	1		N/A N/A	BA Repair Completed	12 Months N/A
12/29/2011	300 E COLUMBIA AVENUE		Second Creek		Lateral Cleanout	ВВО	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		4	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	375	2		Construction Underway	N/A	N/A
1/1/2012	5355 BENT RIVER BOULEVARD 4534 OLD KINGSTON PIKE		Fourth Creek Third Creek		Grinder Pump Bypass System		Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned. Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	15 50	0.1	✓	N/A Construction Completed	Repair Completed Repair Completed	N/A N/A
1/15/2012	8560 WESTLAND DRIVE			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	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 Underway	N/A	N/A
1/23/2012	1500 LYONS BEND ROAD		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	N/A
1/23/2012	1216 WATERCRESS DRIVE	KUW		7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	1,000	2	✓	Construction Underway	N/A	N/A
1/23/2012 1/23/2012	2848 LONDON CIRCLE 3148 WILDERNESS ROAD	KUW	First Creek First Creek	18 18	MH 40 MH 51 & 52		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	750 3,000	4		N/A N/A	Repair Completed Repair 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
1/25/2012 1/29/2012	310 KENSI DRIVE 612 VIEW PARK DRIVE	KUW	Second Creek Knob Creek	10 41	Lateral Cleanout & BBU at 312 Kensi Drive MH 97-44	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	325 25	2		Future Construction Planned N/A	BA BA	6 Month 6 Month
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 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 2/8/2012	4505 MIDDLEBROOK PIKE 736 GREENMEADOWS DRIVE	KUW	Third Creek Knob Creek	21 41	Dewatering Containment MH 24-1		Construction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	150 250	0.1 8		N/A N/A	Repair Completed BA/Grease Control	N/A 12 Month
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 2/15/2012	1613 WANDERING ROAD 1421 N BROADWAY	KUW	Third Creek	13 18	MH 52-3 MH 3-25		Blockage - Grease. The sewer main was flushed & area was cleaned.	200 265	3 1.5		N/A N/A	BA/Grease Control	12 Month 6 Month
2/23/2012		KUW	First Creek Knob Creek	45	Grinder Pump		Blockage - Grease. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	60	1.5		N/A N/A	BA/Grease Control 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 3/7/2012	1125 MONTVIEW ROAD 312 NINETEENTH AVENUE	LC KUW	Loves Creek Third Creek	26 29	MH 65-131 Floor Drain and BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	60 35	0.75		N/A N/A	BA BA	12 Month 9 Month
3/7/2012	620 WEST 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
3/7/2012	1500 LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	97,300 400	0.45 2	√	N/A N/A	Repair Completed	N/A
3/9/2012 3/10/2012	8537 ASHEVILLE HIGHWAY 4901 BALL CAMP PIKE	EB KUW	Eastbridge Third Creek	72 12	MH 21-16 Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	2,500	4.5		N/A N/A	BA BA	12 Month 9 Month
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
3/13/2012 3/30/2012	929 KEOWEE AVENUE 5363 BENT RIVER BOULEVARD	KUW FC	Third Creek Fourth Creek	38 43	Broken Pipe Grinder Pump		Construction Failure by Customer - Dig-In. A section sewer main was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	900	24 0.75		N/A N/A	Repair Completed Repair Completed	N/A N/A
3/31/2012	5218 BENT RIVER BOULEVARD	FC		43	Grinder Pump Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.75		N/A N/A	Repair Completed Repair 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	V	Construction Underway	N/A	N/A
4/5/2012 4/7/2012	1216 WATERCRESS DRIVE 1925 AILOR AVENUE	KUW		7 29	MH 29-9 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	200	2	√	Construction Underway N/A	N/A BA	N/A 12 Month
4/7/2012			Loves Creek		Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
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						Private				Event occurred			
						Property				two or more times		Short-Term Controls	/ L /
Date	Street # Street	Plant	Watershed			Location	Cause of SSO/KUB Response	· · · ·) Duration (Hours)	within 12 months	Long-Term Capital Project	Blockage Abatement (BA)	BA Schedule
4/9/2012 4/28/2012	5603 SUMMER GROVE LANE 1816 STERCHI STREET	FC	Fourth Creek Third Creek		MH 19-63 MH 11-44		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	100 30	1 1		N/A N/A	BA BA	12 Month 6 Month
4/28/2012	6532 WESTSIDE DRIVE	FC	Fourth Creel	_	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		_	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 TALAHI DRIVE	KUW	Third Creek	38	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	400	3		N/A	BA	9 Month
5/12/2012	403 WEST OLDHAM AVENUE		Second Cree		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	1216 WATERCRESS DRIVE	KUW			MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Underway	N/A	N/A
5/14/2012 5/15/2012	4600 UPCHURCH ROAD 2015 NEYLAND DRIVE	KUW		7 35b	MH 45 #2 Digester		Heavy rainfall in the area resulted in high flows in the collection system. WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	50 100	0.33	✓	Construction Underway N/A	N/A Repair Completed	N/A N/A
5/25/2012	4601 SEMINOLE ROAD	KUW			Broken Gravity Main		Blockage - Debris. The sewer main was flushed & area was cleaned.	3,800	0.33	· ·	Construction Underway	N/A	N/A
6/4/2012	5412 MAYWOOD ROAD	KUW			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 Month
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 Month
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		Williams Cree		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 7/9/2012	4800 MALONEYVILLE ROAD 781 BAGWELL ROAD	EB LC	Eastbridge Loves Creek		Wetwell Broken Force Main		Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	50 125	1 2	V	Construction Completed N/A	N/A Repair Completed	N/A N/A
7/13/2012	914 PINEY GROVE CHURCH ROAD	FC		_	MH 49-110		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,800	3		N/A	BA	12 Month
7/16/2012	2800 SELMA AVENUE		Williams Cree		MH 2-65		Blockage - Debris. The sewer main was flushed & area was cleaned.	350	1		N/A	BA	12 Month
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 Underway	N/A	N/A
7/20/2012	516 N BEAMAN STREET	LC			MH 61-8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	√	Construction Underway	N/A	N/A
7/20/2012	1620 EDGEWOOD AVENUE	KUW		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
7/22/2012 8/17/2012	3616 KEITH AVENUE 524 BEN HUR AVENUE	KUW	Third Creek Williams Cree		MH 15-145 Broken Lateral & BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	50 60	1 2		N/A N/A	BA BA	6 Month 6 Month
8/17/2012	8035 WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump	DDO	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
9/10/2012	423 BUSBEE ROAD		South Knoxvil		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	✓	Construction Completed	Repair Completed	N/A
9/17/2012	4600 CHAPMAN HIGHWAY	KUW	South Knoxvil	e 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	3741 EAKERS STREET	KUW	South Knoxvil		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 9/18/2012	6410 S NORTHSHORE DRIVE 1903 JEFFERSON AVENUE	FC	Fourth Creel First Creek		MH 8 MH 25-18		Heavy rainfall in the area resulted in high flows in the collection system.	40,000 100	2	/	Construction Completed Construction Underway	N/A N/A	N/A N/A
9/18/2012	1309 ADAIR DRIVE	KUW		7	MH 28		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	2,000	2	•	Construction Underway	N/A N/A	N/A
9/18/2012	2004 NEYLAND DRIVE		Second Cree	k 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		Williams Cree		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	517 BERNARD AVENUE	KUW	Second Cree	k 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
							Pump Station - Electrical Failure during Heavy Rainfall. Electricity was restored & the area was cleaned. The area received an		_				
9/18/2012	5760 SANDIS LANE	LC	Loves Creek	20	MH 1		average 5.65 Inches of rainfall in 24 hour period.	1,000,800	2		N/A	Repair Completed	N/A
9/18/2012	1500 LYONS BEND ROAD	FC	Fourth Creel	37	MH 1		Pump Station - Electrical Failure during Heavy Rainfall. Electricity was restored & the area was cleaned. The area received an average 5.65 Inches of rainfall in 24 hour period.	1.823.600	8.5	✓	N/A	Repair Completed	N/A
0/10/2012	1000 ET ONG BEND NOVE	10	1 out at Orcei	. 01	WIII		Pump Station - Electrical Failure during Heavy Rainfall. Electricity was restored & the area was cleaned. The area received an	, ,	0.0		1477	repair completed	1071
9/18/2012	961 EAST FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		average 5.65 Inches of rainfall in 24 hour period.	97,500	2.5		N/A	Repair Completed	N/A
9/18/2012	5915 NEUBERT SPRINGS ROAD	KUW			MH 18-1		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	90,000	3		N/A	Repair Completed	N/A
9/19/2012	5219 BENT RIVER BOULEVARD	FC	Fourth Creel	_	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 9/25/2012	2441 LINDEN AVENUE 5219 BENT RIVER BOULEVARD	FC	Williams Cree Fourth Creel		MH 5-240 Grinder Pump & BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.	250 25	0.33		N/A N/A	BA/Grease Control	12 Month N/A
9/28/2012	4205 DRIFTING DRIVE		Third Creek		MH 31-19	DDU	Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	200	0.33	•	N/A N/A	Repair Completed BA/Grease Control	12 Month
10/1/2012	3902 OAKLAND DRIVE	KUW			Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,100	1		N/A	BA	6 Month
10/5/2012	2015 NEYLAND DRIVE		Third Creek		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 Creel		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		South Knoxvil	_	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 10/16/2012	108 CARON DRIVE 1219 HILTON ROAD		Second Creek Third Creek		MH 16-57 MH 10-64		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	1,150 400	1		N/A N/A	BA BA	6 Month 9 Month
10/16/2012	409 N BELLEMEADE AVENUE	KUW			MH 10-64 MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	35	1		Future Construction Planned	N/A	9 Month
10/20/2012	313 FORESTAL DRIVE		First Creek	8	MH 7-72		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1.5		N/A	BA	12 Month
10/22/2012	5253 BENT RIVER BOULEVARD		Fourth Creel	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	2	1		N/A	Repair Completed	N/A
10/24/2012			Loves Creek		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			South Knoxvil				Blockage - Roots. The sewer main was flushed & area was cleaned.	20	1		N/A N/A	BA Danais Completed	12 Month
11/5/2012 11/5/2012			Fourth Creel Eastbridge				Broken System - Broken Force Main. Force main was repaired & the area cleaned. Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	28,500 460	8 4		N/A N/A	Repair Completed Repair Completed	N/A N/A
11/8/2012		FC				BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	400	1	✓	N/A	Repair Completed	N/A
11/15/2012			First Creek			-20	Blockage - Roots. The sewer main was flushed & area was cleaned.	725	2		Construction Underway	BA	12 Month
11/18/2012	4315 CLINTON HIGHWAY		Second Cree	k 10	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,050	1		N/A	BA	12 Month
11/24/2012		EB					Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.5		N/A	Repair Completed	N/A
11/26/2012			Second Cree				Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	750	1 1 5		N/A	Repair Completed	N/A
11/30/2012 12/9/2012		FC	Fourth Creek First Creek				Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	5 410	1.5	√	N/A Construction Underway	Repair Completed BA/Grease Control	N/A 6 Month
12/12/2012			Second Cree	_	MH 16-22		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	360	2		N/A	BA/Grease Control BA	9 Month
	S. ST WITHLINGS INORD		Scoonia Orec		MH 10-27 & Lateral Cleanout at 222 Radford		provings (Note: The other main was intend a area was deaned.)	300			I W/Cl	DA	- UNIONEI
		1			Will 10-27 & Lateral Cleanout at 222 Nation								

					Private Property				Event occurred two or more times within 12		Short-Term Controls	
	Street # Street	Plant	Truto: onou	Basin Overflow Location	Location	Cause of SSO/KUB Response	, ,	Duration (Hours)	months	Long-Term Capital Project	Blockage Abatement (BA)	BA Schedule
1/7/09 2/28/2011	5315 SHANNONDALE ROAD 3814 WOODLAKE DRIVE	KUW		1 MH 36 1 Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	5,040 400	14	✓	N/A Construction Completed	BA N/A	3 Months N/A
4/17/2011	3814 WOODLAKE DRIVE	KUW		1 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	20	1	√	Construction Completed	N/A	N/A
3/18/09 5/7/09	4125 GREENWAY DRIVE 4419 MCCAMPBELL LANE	KUW		2 Private Sewer Connection 2 MH 43-64		Construction Failure - Unconnected Private Sewer Main. Private sewer main was reconnected & the area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	Unknown 270	Unknown 1.5		Construction Completed N/A	N/A N/A	N/A N/A
8/29/02	4710 MURPHY ROAD	KUW		2 MH 43-64 2 Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	10	2		N/A	Repair Completed	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
5/5/09	4710 MURPHY ROAD	KUW		2 Wetwell	DDII	Grinder Pump Failure. Pump was repaired & the area was cleaned.	100 30	2.5		N/A N/A	Repair Completed	N/A
12/10/2011 10/1/2012	5209 MURPHY ROAD 3902 OAKLAND DRIVE	KUW		2 Grinder Pump and BBU 2 Lateral Cleanout	BBU	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	1,100	2		N/A N/A	Repair Completed BA	N/A 6 Month
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
1/6/09 6/25/10	4144 OAKLAND DRIVE 5660 COLONIAL CIRCLE	KUW		2 MHs 39-4,39-44,39-45 & 2 Lateral Cleanouts 3 MH 14-2		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	22,475 5.600	11 12	√	Construction Completed N/A	N/A BA	N/A 12 Months
5/15/2011	5715 ELDRIDGE ROAD	KUW		3 Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	125	2		N/A	BA	12 Months
2/21/09 5/16/10	5534 JACKSBORO PIKE 3628 LUCINDA DRIVE	KUW		3 Broken Pipe 3 Lateral Cleanout		Construction Failure - There was a pipe separation at a temporary connection to the sewer main. Blockage - Grease. The sewer main was flushed & area was cleaned.	960 18	8		N/A N/A	Repair Completed BA	N/A 6 Months
1/18/10	229 LYNNWOOD DRIVE	KUW		3 MH 2-98		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	130	0.5		N/A N/A	BA	6 Months
1/24/10	2414 BERNHURST DRIVE	KUW		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
2/28/2011 12/31/2011	2500 CEDAR LANE 3602 E KESTERWOOD DRIVE	KUW		4 MH 22-13 4 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned.	500 375	1 2		Construction Completed Construction Underway	N/A N/A	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		Construction Completed	BA	12 Months
4/16/2011 7/27/09	2544 FAIR DRIVE 2204 HIGHLAND DRIVE	KUW		4 MH 77 4 MH 11-21		Heavy rainfall in the area resulted in high flows in the collection system.	100 344	1		Construction Completed	N/A BA	N/A 3 Months
12/31/10	2204 HIGHLAND DRIVE	KUW		4 Broken Sewer		Blockage - Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	450	2		N/A N/A	Repair Completed	N/A
2/5/10	2430 HIGHLAND DRIVE	KUW		4 Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	2290	1.5		N/A	BA	6 Months
3/2/2011	2430 HIGHLAND DRIVE	KUW		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 10/21/2011	5014 JACKSBORO PIKE 5401 MONTCREST ROAD	KUW		4 MH 13-101 4 MH 35-25		Heavy rainfall in the area resulted in high flows in the collection system. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	200 50	1		Future Construction Planned N/A	N/A Repair Completed	N/A N/A
10/15/2012	108 CARON DRIVE	KUW		5 MH 16-57		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,150	2		N/A	BA	6 Month
1/7/09	701 CEDAR LANE	KUW		5 MH 35-4		Blockage - Roots. The sewer main was flushed & area was cleaned.	37,450	26		N/A	BA	3 Months
11/6/09 3/1/2011	212 DRY GAP PIKE 5205 HAYNES-STERCHI ROAD		Second Creek Second Creek	5 MH 16-67 5 MH 35-4		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	205 500	1		N/A N/A	N/A BA	N/A 3 Months
1/6/10	905 KERMIT DRIVE		Second Creek	5 MH 4-36		Blockage - Grease. The sewer main was flushed & area was cleaned.	1080	1.5		N/A	BA	6 Months
2/28/2011	923 OAKLETT DRIVE		Second Creek	5 Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	9,000	1.5		Future Construction Planned	N/A	N/A
1/10/09 12/12/2012	5007 ROWAN ROAD 5704 WAYNEWOOD ROAD		Second Creek Second Creek	5 MH 17-47 5 MH 16-22		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	1,080 360	2		N/A N/A	BA BA	3 Months 9 Month
11/26/2012	5016 WILFORD ROAD		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 2/7/09	720 WOODVIEW DRIVE 3853 CLUSTER AVENUE		Second Creek	5 MH 35-2 6 MH 29-161		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	2	1 4		N/A N/A	BA BA	6 Months 6 Months
10/1/2011	206 HILLVIEW AVENUE	LC LC		6 MH 29-145 & Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	500	1		N/A	BA BA	12 Months
12/26/10	1725 LOVES CREEK ROAD		Loves Creek	6 MH 48-3		Blockage - Debris. The sewer main was flushed & area was cleaned.	180	2		N/A	BA	6 Months
8/11/09	4502 MILLERTOWN PIKE	LC		6 Lateral Cleanout		Construction Failure - Dig-In. Lateral was repaired & the area was cleaned.	137	72 Intermittently		N/A	Repair Completed	N/A
2/21/10 8/23/05	5713 MILLERTOWN PIKE 2304 WOODS CREEK ROAD	LC	Loves Creek Loves Creek	6 Broken Sewer 6 Grinder Pump		Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
9/5/2011	1308 ADAIR DRIVE	KUW		7 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	500	5		Construction Underway	N/A	N/A
9/18/2012	1309 ADAIR DRIVE	KUW		7 MH 28		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	2		Construction Underway	N/A	N/A
7/11/2011 9/11/10	1313 ADAIR DRIVE 1408 ADAIR DRIVE	KUW		7 MH 28-1 7 MH 26		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	Unknown 60	Unknown 1		Construction Underway Construction Underway	N/A N/A	N/A N/A
1/28/10	702 E INSKIP DRIVE	KUW		7 MH 29-63		Blockage - Debris. The sewer main was flushed & area was cleaned.	410	1		Future Construction Planned	BA	12 Months
6/2/2011	1216 GLENOAKS DRIVE	KUW		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 3/28/03	4517 N WAHLI DRIVE 4713 OLD BROADWAY	KUW		7 MH 39 7 MH 2		Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	725 Unknown	2 Unknown		Construction Underway Construction Completed	BA BA	12 Month 12 Months
1/28/04	4713 OLD BROADWAY	KUW		7 MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	50	2	✓	Construction Completed Construction Completed	BA BA	12 Months
2/6/04	4713 OLD BROADWAY	KUW		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		7 MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	N/A	N/A	√	Construction Completed	BA	12 Months
9/20/04 11/24/04	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW		7 MH 2 7 MH 2		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	561 2040	5 11.3	✓	Construction Completed Construction Completed	BA BA	12 Months 12 Months
12/1/04	4713 OLD BROADWAY	KUW		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		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		7 MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	1,008,120	62	V	Construction Completed	BA	12 Months
4/19/05 1/17/06	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW		7 MH 2 7 MH 2		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	250 270	2	✓ ✓	Construction Completed Construction Completed	BA BA	12 Months 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		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		7 MH 2		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	197712	6	✓	Construction Completed	BA	12 Months
1/26/10 3/22/2011	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW		7 MH 2 7 MHs 2 & 63		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	3400 Unknown	12 Unknown	✓	Future Construction Planned Future Construction Planned	BA N/A	12 Months N/A
4/16/2011	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW		7 MHs 2 & 63 7 MHs 2 & 63		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	24,500	3	V V	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
5/25/2012	4601 SEMINOLE ROAD		Third Creek	7 Broken Gravity Main		Blockage - Debris. The sewer main was flushed & area was cleaned.	3,800	2	✓	Construction Underway	N/A	N/A
9/23/06	4600 UPCHURCH ROAD	KUW	First Creek	7 MH 45		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	360	2		Construction Underway	BA	12 Months
1/27/10	4600 UPCHURCH ROAD	KUW		7 MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	105	1		Construction Underway	BA	6 Months
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 Underway	N/A	N/A
5/14/2012	4600 UPCHURCH ROAD	KUW		7 MH 45 7 MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	50	1 3		Construction Underway	N/A BA	N/A 12 Months
2/19/03 11/24/04	4606 UPCHURCH ROAD 1216 WATERCRESS DRIVE	KUW		7 MH 45 7 MH 29-9		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	90 3960	8.25		Construction Underway Construction Underway	BA/Grease Control	12 Months 6 Months
						•		5.20		,		
9/23/06	1216 WATERCRESS DRIVE	KUW		7 MH 29-9		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	1440	6		Construction Underway	BA	6 Months
12/11/08 12/3/10	1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE	KUW		7 MH 29-9 7 MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	65 1000	1 3		Construction Underway Construction Underway	BA BA	6 Months 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 Underway	N/A	N/A
6/24/2011	1216 WATERCRESS DRIVE	KUW		7 MH 29-9 7 MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	60 50	1	✓ ✓	Construction Underway	N/A	N/A N/A
9/9/2011	1216 WATERCRESS DRIVE	NUW	First Creek	7 MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	, v	Construction Underway	N/A 005470	IN/A

Date 5	Street # Street	Plant	Wate	rshed B	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
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 Underway	N/A	N/A
11/28/2011	1216 WATERCRESS DRIVE	KUW			7 MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	150	2	√	Construction Underway	N/A	N/A
1/23/2012	1216 WATERCRESS DRIVE	KUW			7 MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	1,000	2	✓ ✓	Construction Underway	N/A	N/A
4/5/2012 5/14/2012	1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE	KUW			7 MH 29-9 7 MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	200 100	2	V	Construction Underway Construction Underway	N/A N/A	N/A N/A
7/18/2012	1216 WATERCRESS DRIVE	KUW			7 MH 29-9		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	400	1	· ✓	Construction Underway	N/A	N/A
		1.01			MH 22-33, Broken Lateral & BBU at 3218 & 322	0					,		
2/28/2011	3218 AVONDALE AVENUE	KUW	_		8 Avondale Avenue	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.	1,500	3		N/A	BA	12 Months
1/6/09	3410 BORIGHT DRIVE	KUW			8 MHs 42,43,44 & 45		Heavy rainfall in the area resulted in high flows in the collection system.	4,830	9.5	√	Future Construction Planned	N/A	N/A
12/18/09 11/30/10	3410 BORIGHT DRIVE 3410 BORIGHT DRIVE	KUW			8 MHs 42 & 43 8 MHs 45, 44, 43, 42, 41, 40 and 39		Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	3,310 12750	8	V ✓	Future Construction Planned Future Construction Planned	BA/Grease Control BA	6 Months
4/16/2011	3410 BORIGHT DRIVE	KUW			8 MHs 43, 44, 45, 41, 40 and 39		Heavy rainfall in the area resulted in high flows in the collection system.	2,250	4	· ·	Future Construction Planned	N/A	N/A
6/24/2011	3621 BORIGHT DRIVE	KUW			8 MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	400	3	✓	Future Construction Planned	N/A	N/A
10/20/2012	313 FORESTAL DRIVE	KUW			8 MH 7-72		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1.5		N/A	BA	12 Month
7/11/10	415 FORESTAL DRIVE 2885 TAZEWELL PIKE	KUW			8 MH 7-91 8 Unnamed MH		Blockage - Grease. The sewer main was flushed & area was cleaned. Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	200 1,500	2		N/A N/A	BA Repair Completed	6 Months N/A
3/1/2011	2415 TECOMA DRIVE	KUW			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			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			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			9 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	5	1	√	Future Construction Planned	N/A	N/A
4/18/2011 4/28/2011	5546 WILKERSON ROAD 5546 WILKERSON ROAD	KUW			9 Lateral Cleanout 9 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	50 100	1	V	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
5/23/10	1312 CASSELL DRIVE		Second		10 MH 14-101		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	1	✓	N/A	BA	6 Months
5/19/10	1401 CASSELL DRIVE	KUW	Second	d 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		Second		10 MH 17-9		Heavy rainfall in the area resulted in high flows in the collection system.	800	4	✓	Future Construction Planned	N/A	N/A
3/3/2011 12/16/09	4105 CENTRAL AVENUE PIKE 4315 CLINTON HIGHWAY		Second		10 MH 17-8 10 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system. Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	100 4.855	1 48 Intermittently	√	Future Construction Planned N/A	N/A Repair Completed	N/A N/A
11/18/2012	4315 CLINTON HIGHWAY		Second		10 Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,050	1		N/A	BA	12 Month
1/25/2012	310 KENSI DRIVE		Second		10 Lateral Cleanout & BBU at 312 Kensi Drive	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	325	2		Future Construction Planned	BA	6 Month
1/12/2011	3922 NERVA ROAD		Second		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 2/23/05	114 TILLERY DRIVE 125 TILLERY DRIVE		Second		10 MH 16-1 10 MH 16-6		Broken System - Sag. The sewer main was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	15,000 720	5		Construction Completed N/A	N/A BA/Grease Control	N/A 6 Months
6/22/09	125 TILLERY DRIVE		Second		10 Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	150	1		N/A N/A	BA/Grease Control	3 Months
3/7/09	1527 WILSON ROAD	KUW			10 Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	95	3		N/A	BA	6 Months
1/24/2011	5926 ANTIGUA LANE	KUW			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
7/1/2012	5745 GOLDENROD CIRCLE	KUW			11 MH 11-20		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A	BA	12 Month
5/12/10 4/16/2011	4509 LANDON DRIVE 4421 ROYALVIEW ROAD	KUW			11 MH 11-229 11 MH 11-157		Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	50 750	1		N/A Construction Completed	BA/Grease Control N/A	6 Months N/A
2/23/2011	6505 VINTAGE DRIVE	KUW	_		11 MH 48-38		Blockage - Debris. The sewer main was flushed & area was cleaned.	150	1		N/A	BA	12 Months
3/10/2012	4901 BALL CAMP PIKE	KUW			12 Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,500	4.5		N/A	BA	9 Month
6/4/2012	5412 MAYWOOD ROAD	KUW			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 Month
3/12/10 9/28/2012	4804 BAY STREET 4205 DRIFTING DRIVE	KUW			13 MH 34-31 13 MH 31-19		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	230 200	2		N/A N/A	BA/Grease Control	12 Months 12 Month
8/12/10	4351 FALCONITE WAY	KUW			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			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
2/13/09	4712 MOSS DRIVE	KUW			13 Lateral Cleanout		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	750	1	√	N/A N/A	BA/Grease Control	3 Months
3/4/09 2/4/10	4712 MOSS DRIVE 4025 THORNWOOD ROAD	KUW			13 MH 43 and Lateral Cleanout 13 MH 17-92		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	250 250	0.5	V	N/A N/A	BA/Grease Control BA/Grease Control	3 Months 6 Months
2/9/2012	1613 WANDERING ROAD	KUW			13 MH 52-3		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	3		N/A	BA/Grease Control	12 Month
					MH 10-27 & Lateral Cleanout at 222 Radford								
12/20/2012	3006 CORAM STREET	KUW			14 Place & BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,550	2		N/A	BA N/A	6 Month
6/5/09 9/26/09	1411 DAVANNA STREET 1411 DAVANNA STREET		Second	d Creek	15 MH 8 15 MH 8		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	3,990 350	4	· · · · · · · · · · · · · · · · · · ·	Construction Completed Construction Completed	N/A N/A	N/A N/A
12/15/09	1411 DAVANNA STREET	KUW			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		Second		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		Second		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		Second		15 MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	1000 4700	1	✓ ✓	Construction Completed	N/A N/A	N/A N/A
12/1/10 1/1/2011	1411 DAVANNA STREET 1411 DAVANNA STREET		Second		15 MH 8 15 MH 8		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	5,630	3	√	Construction Completed Construction Completed	N/A N/A	N/A N/A
2/28/2011	1411 DAVANNA STREET		Second		15 MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	5,800,000	4	<i>,</i> ✓	Construction Completed	N/A	N/A
4/16/2011	1411 DAVANNA STREET	KUW	Second	d Creek	15 MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	#REF!	1	✓	Construction Completed	N/A	N/A
6/24/2011	1411 DAVANNA STREET		Second		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 12/29/2011	1124 DELAWARE AVENUE 300 E COLUMBIA AVENUE	KUW	Second		15 MH 21-53 15 Lateral Cleanout		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was renaized & the area was cleaned.	500 25	2		N/A Construction Completed	BA/Grease Control N/A	6 Months N/A
4/28/2011	237 W SCOTT AVENUE		Second		15 Lateral Cleanout 15 MH 9		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	1,000	1		Construction Completed Construction Completed	N/A N/A	N/A N/A
5/12/2012	403 WEST OLDHAM AVENUE		Second		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
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
2/6/2011	1908 EDGEWOOD AVENUE 1521 FAIRMONT BOULEVARD	KUW	_		16 Water Meter Well		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	180 30	1		N/A	Repair Completed	N/A
3/1/2011 6/13/09	835 FARRAGUT AVENUE	KUW			16 Temporary Lateral Connection 16 MH 24-45		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	54	0.5		Construction Completed N/A	N/A N/A	N/A N/A
3/9/09	1000 OGLEWOOD AVENUE	KUW			16 Lateral Cleanout and BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	13	0.5		N/A	BA	6 Months
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 Underway	BA/Grease Control	6 Months
4/7/2011	3526 BUFFAT MILL ROAD	KUW			18 MH 65-19 and BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	300	9		N/A Construction Completed	BA/Grease Control	12 Months
1/6/09 12/9/09	2536 CECIL AVENUE 2536 CECIL AVENUE	KUW	_		18 MH 30-11 18 MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	4,575 40	0.5	∨	Construction Completed Construction Completed	N/A	6 Months N/A
1/24/10	2536 CECIL AVENUE	KUW			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		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			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			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	N/A
3/6/2011 3/9/2011	2536 CECIL AVENUE 2536 CECIL AVENUE	KUW			18 MH 30-11 18 MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1,500 98,000	3	∨	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/16/2011	2536 CECIL AVENUE	KUW			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 BOULEVAR				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			18 MH 40		Heavy rainfall in the area resulted in high flows in the collection system.	750	4		N/A	Repair Completed	N/A
2/15/2012	1421 N BROADWAY	KUW			18 MH 3-25		Blockage - Grease. The sewer main was flushed & area was cleaned.	265	1.5	✓	N/A	BA/Grease Control	6 Month
9/28/06	302 SEVENTH AVENUE	KUW	First	DIEEK	18 MHs 15 & 16		Blockage - Roots. The sewer main was flushed & area was cleaned.	6209	Ö	· •	Future Construction Planned	BA 005471	6 Months

2/6/04 304 SE 12/9/04 304 SE 12/9/04 304 SE 11/24/10 304 SE 1/24/10 304 SE 1/24/10 304 SE 1/24/10 304 SE 4/18/2011 304 SE 1/23/2012 3148 WI 1/7/2011 2526 E I 9/24/2012 2441 II 7/16/2011 2639 LO 12/10/2011 621 MI 7/16/2012 2800 SE 1/8/2011 2726 WI 10/15/09 4201 SS 2/16/2011 5720 AS 4/24/2011 3901 BC 1/1/10/2011 516 NI 1/1/10 302 LI 1/1/10 303 SI 1/1/20/2012 516 NI	SEVENTH AVENUE WILDERNESS ROAD E FIFTH AVENUE LINDEN AVENUE MILLIGAN STREET SELMA AVENUE WILSON AVENUE WILSON AVENUE ASHEVILLE HIGHWAY ASHEVILLE HIGHWAY BONNIE VIEW AVENUE HOLSTON DRIVE LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE S CANDIS LANE SANDIS LANE	KUW First Creek 18 KUW Williams Creek 19 LC Loves Creek 20	MH 15 MH 51 & 52 Lateral Cleanouts at 2522, 2524, 2526 & 2528 E. Fifth Avenue MH 5-240 MH 5-1 Grinder Pump MH 2-65 MH 8-1 MH 34-23 MH 11-3 MH 74-8 Broken Force Main Lateral Cleanout MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 25		Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was repaired & the area cleaned. Blockage - Roots. The sewer main was repaired & the area cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	720 6660 26,928 558 90 200 200 5 200 3,000 900 250 540,000 10 350 760 50 2,300 50 170 5	2 18.5 8 5 3 1 1 1 1 4 2 1 24 1 1 1.5 0.5 3 2 1.5 5 5 5 3 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	V V V V V V V V V V V V V V V V V V V	Future Construction Planned N/A N/A N/A N/A N/A N/A N/A Construction Completed N/A	BA N/A N/A N/A N/A Repair Completed BA/Grease Control BA/Grease Control Repair Completed BA BA/Grease Control Repair Completed BA BA/Grease Control N/A Repair Completed BA Repair Completed BA Repair Completed BA/Grease Control N/A Repair Completed	6 Months 12 Months 12 Months 6 Months 6 Months N/A N/A N/A N/A 12 Months 12 Months 12 Months 12 Months 12 Months 12 Months N/A 14 Months N/A 15 Months N/A 16 Months N/A N/A
12/9/04 304 SE 11/1/06 304 SE 11/24/10 304 SE 3/4/2011 304 SE 4/18/2011 304 SE 4/18/2011 304 SE 6/25/2011 304 SE 1/23/2012 3148 WI 1/7/2011 2526 E I 9/24/2012 2441 LIN 5/9/2011 2639 LIN 5/9/2011 2639 LIN 7/16/2012 2800 SE 1/8/2011 2726 WI 10/15/09 4201 SE 2/16/2011 3901 BC 1/1/10/2011 3901 BC 1/1/10/2011 5720 AS 4/24/2011 3901 BC 1/1/10/2012 516 NI 7/20/2012 516 NI 8/11/2011 516 NI 7/20/2012 516 NI 8/11/2013 203 SC 9/25/06 203 SC 5/28/08 203 SC 1/6/09 5745 SA 1/24/10 5760 SA	SEVENTH AVENUE WILDERNESS ROAD E FIFTH AVENUE LINDEN AVENUE LINDEN AVENUE MILLIGAN STREET SELMA AVENUE WILSON AVENUE AVENUE AVENUE BONNIE VIEW AVENUE HOLSTON DRIVE LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE	KUW First Creek 18 KUW Williams Creek 19 KUW Williams Creek 19 KUW Williams Creek 19 KUW Williams Creek 19 LC Loves Creek 20 LC Loves Creek 20 <	MH 15 MH 51 MH 52 Lateral Cleanouts at 2522, 2524, 2526 & 2528 E. Fifth Avenue MH 5-240 MH 5-1 Grinder Pump MH 2-65 MH 8-1 MH 34-23 MH 11-3 MH 74-8 Broken Force Main Lateral Cleanout MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 25		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Construction Failure - Grinder Pump, Pump was reinstated & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	26,928 558 90 200 200 5 200 3,000 900 250 540,000 10 350 760 50 2,300 50 170 5	8	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned N/A	BA BA BA BA BA N/A N/A N/A N/A N/A Repair Completed BA/Grease Control BA/Grease Control BA/Grease Control Repair Completed BA BA/Grease Control Repair Completed BA BA/Grease Control Repair Completed BA BA/Grease Control N/A Repair Completed BA/Grease Control Repair Completed	12 Months 6 Months 6 Months N/A N/A N/A N/A 12 Months 12 Months 12 Months 12 Months 12 Months 14 Months N/A 15 Months N/A 16 Months N/A N/A
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1/23/2012 3148 WI 1/7/2011 2526 E I 9/24/2012 2441 LIN 5/9/2011 2639 LC 12/10/2011 621 MI 7/16/2012 2800 SE 1/8/2011 2726 WI 10/15/09 4201 AS 2/16/2011 5720 AS 4/24/2011 3901 BC 11/1/10 5415 HC 2/14/10 302 LIN 2/4/08 516 N I 8/11/2011 516 N I 7/20/2012 516 N I 2/22/03 203 S G 5/28/08 203 S G 1/6/09 203 S G 8/12/09 5745 SA 1/24/10 5760 SA	WILDERNESS ROAD E FIFTH AVENUE LINDEN AVENUE LOUISE AVENUE MILLIGAN STREET SELMA AVENUE WILSON AVENUE ASHEVILLE HIGHWAY ASHEVILLE HIGHWAY BONNIE VIEW AVENUE HOLSTON DRIVE LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE SANDIS LANE	KUW First Creek 18 KUW Williams Creek 19 KUW Williams Creek 20 LC Loves Creek 20	MH 51 & 52 Lateral Cleanouts at 2522, 2524, 2526 & 2528 E. Fifth Avenue MH 5-240 MH 5-1 Grinder Pump MH 2-65 MH 8-1 MH 34-23 MH 11-3 MH 74-8 Broken Force Main Lateral Cleanout MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 25		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	3,000 900 250 540,000 10 350 760 50 2,300 50 170 5	2 1 24 1 1 1.5 0.5 3 2		N/A N/A N/A N/A N/A N/A N/A N/A	Repair Completed BA/Grease Control BA/Grease Control BA/Grease Control Repair Completed BA BA/Grease Control N/A Repair Completed BA/Grease Control Repair Completed	N/A 12 Months 12 Month 12 Months N/A 12 Months 12 Months N/A 16 Months N/A N/A N/A
9/24/2012 2441 LIN 5/9/2011 2639 LO 12/10/2011 621 MI 7/16/2012 2800 SE 1/8/2011 2726 WI 10/15/09 4201 AS 2/16/2011 5720 AS 4/24/2011 3901 B 11/11/10 3415 HC 2/14/10 302 LIN 2/4/08 516 NI 8/11/2011 516 NI 7/20/2012 516 NI 2/22/03 203 S G 5/28/08 203 S G 1/6/09 203 S G 8/12/09 5745 SA 1/24/10 5760 SA	LINDEN AVENUE LOUISE AVENUE MILLIGAN STREET SELMA AVENUE WILSON AVENUE ASHEVILLE HIGHWAY ASHEVILLE HIGHWAY BONNIE VIEW AVENUE HOLSTON DRIVE LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE SANDIS LANE	KUW Williams Creek 19 LC Loves Creek 20	Fifth Avenue MH 5-240 MH 5-1 Grinder Pump MH 2-65 MH 8-1 MH 34-23 MH 11-3 MH 74-8 Broken Force Main Lateral Cleanout MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 25		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	250 540,000 10 350 760 50 2,300 50 170 5	1 1 1.5 0.5 3 2		N/A N/A N/A N/A N/A N/A N/A Construction Completed N/A N/A N/A N/A	BA/Grease Control BA/Grease Control BA/Grease Control Repair Completed BA BA/Grease Control N/A Repair Completed BA/Grease Control Repair Completed	12 Month 12 Months N/A 12 Month 12 Month 12 Month N/A N/A N/A 6 Months N/A
9/24/2012 2441 LIN 5/9/2011 2639 LO 12/10/2011 621 MI 7/16/2012 2800 SE 1/8/2011 2726 WI 10/15/09 4201 AS 2/16/2011 5720 AS 4/24/2011 3901 B 11/11/10 3415 HC 2/14/10 302 LIN 2/4/08 516 NI 8/11/2011 516 NI 7/20/2012 516 NI 2/22/03 203 S G 5/28/08 203 S G 5/28/08 203 S G 1/6/09 203 S G 8/12/09 5745 SA 1/24/10 5760 SA	LINDEN AVENUE LOUISE AVENUE MILLIGAN STREET SELMA AVENUE WILSON AVENUE ASHEVILLE HIGHWAY ASHEVILLE HIGHWAY BONNIE VIEW AVENUE HOLSTON DRIVE LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE SANDIS LANE	KUW Williams Creek 19 LC Loves Creek 20	MH 5-240 MH 5-1 Grinder Pump MH 2-65 MH 8-1 MH 34-23 MH 11-3 MH 74-8 Broken Force Main Lateral Cleanout MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 25		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	250 540,000 10 350 760 50 2,300 50 170 5	1 1 1.5 0.5 3 2		N/A N/A N/A N/A N/A N/A N/A Construction Completed N/A N/A N/A N/A	BA/Grease Control BA/Grease Control Repair Completed BA BA/Grease Control N/A Repair Completed BA/Grease Control Repair Completed	12 Month 12 Months N/A 12 Month 12 Month 12 Month N/A N/A N/A 6 Months N/A
5/9/2011 2639 LC 12/10/2011 621 MI 7/16/2012 2800 S2 1/8/2011 2726 WI 10/15/09 4201 AS 2/16/2011 5720 AS 4/24/2011 3901 BC 11/1/10 5415 HC 2/14/10 302 LIN 2/4/08 516 NI 8/11/2011 516 NI 7/20/2012 516 NI 2/22/03 203 S3 9/25/06 203 S3 5/28/08 203 S3 1/6/09 203 S3 8/12/09 5745 SA	LOUISE AVENUE MILLIGAN STREET SELMA AVENUE WILSON AVENUE ASHEVILLE HIGHWAY ASHEVILLE HIGHWAY ASHEVILLE HIGHWAY BONNIE VIEW AVENUE HOLSTON DRIVE LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE SANDIS LANE SANDIS LANE	KUW Williams Creek 19 KUW Williams Creek 19 KUW Williams Creek 19 KUW Williams Creek 19 LC Loves Creek 20	MH 5-1 Grinder Pump MH 2-65 MH 8-1 MH 34-23 MH 11-3 MH 74-8 Broken Force Main Lateral Cleanout MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 25		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	540,000 10 350 760 50 2,300 50 170 5	1 1 1.5 0.5 3 2		N/A N/A N/A N/A Construction Completed N/A N/A N/A N/A N/A	BA/Grease Control Repair Completed BA BA/Grease Control N/A Repair Completed BA/Grease Control Repair Completed	12 Months N/A 12 Month 12 Months N/A N/A N/A 6 Months N/A
12/10/2011 621 MI 7/16/2012 2800 SE 1/8/2011 2726 WI 10/15/09 4201 AS 2/16/2011 5720 AS 4/24/2011 3901 BC 11/1/10 5415 HC 2/14/10 302 LIR 2/14/08 516 NI 8/11/2011 516 NI 7/20/2012 516 NI 2/22/03 203 S G 9/25/06 203 S G 5/28/08 203 S G 1/6/09 203 S G 8/12/09 5745 SA 1/24/10 5760 SA	MILLIGAN STREET SELMA AVENUE WILSON AVENUE ASHEVILLE HIGHWAY ASHEVILLE HIGHWAY BONNIE VIEW AVENUE HOLSTON DRIVE LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE	KUW Williams Creek 19 KUW Williams Creek 19 KUW Williams Creek 19 LC Loves Creek 20	Grinder Pump MH 2-65 MH 8-1 MH 34-23 MH 11-3 MH 74-8 Broken Force Main Lateral Cleanout MH 61-8 MH 61-8 MH 61-8 MH 25		Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	10 350 760 50 2,300 50 170 5	1 1 1.5 0.5 3 2		N/A N/A N/A Construction Completed N/A N/A N/A	Repair Completed BA BA/Grease Control N/A Repair Completed BA/Grease Control Repair Completed	N/A 12 Month 12 Months N/A N/A 6 Months N/A
1/8/2011 2726 WI 10/15/09 4201 AS 2/16/2011 5720 AS 4/24/2011 3901 BC 11/1/10 5415 HC 2/14/10 302 LIN 2/4/08 516 N I 8/11/2011 516 N I 7/20/2012 516 N I 2/22/03 203 S (9/25/06 203 S (5/28/08 203 S (1/6/09 203 S (8/12/09 5745 SA 1/24/10 5760 SA	WILSON AVENUE ASHEVILLE HIGHWAY ASHEVILLE HIGHWAY ASHEVILLE HIGHWAY BONNIE VIEW AVENUE HOLSTON DRIVE LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE S CHILHOWEE DRIVE S CHILHOWEE DRIVE S CHILHOWEE DRIVE SANDIS LANE SANDIS LANE	KUW Williams Creek 19	MH 8-1 MH 34-23 MH 11-3 MH 74-8 Broken Force Main Lateral Cleanout MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 61-8 MH 25		Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	760 50 2,300 50 170 5	1.5 0.5 3 2		N/A Construction Completed N/A N/A N/A	BA/Grease Control N/A Repair Completed BA/Grease Control Repair Completed	12 Months N/A N/A 6 Months N/A
10/15/09 4201 AS 2/16/2011 5720 AS 4/24/2011 3901 B4 11/1/10 5415 HC 2/14/10 302 LIN 2/4/08 516 N I 8/11/2011 516 N I 7/20/2012 516 N I 2/22/03 203 S G 9/25/06 203 S G 5/28/08 203 S G 8/12/09 5745 SA 1/24/10 5760 SA	ASHEVILLE HIGHWAY ASHEVILLE HIGHWAY BONNIE VIEW AVENUE HOLSTON DRIVE LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE SANDIS LANE SANDIS LANE	LC Loves Creek 20	MH 34-23 MH 11-3 MH 74-8 Broken Force Main Lateral Cleanout MH 61-8 MH 61-8 MH 61-8 MH 25		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	50 2,300 50 170 5	0.5 3 2		Construction Completed N/A N/A N/A N/A	N/A Repair Completed BA/Grease Control Repair Completed	N/A N/A 6 Months N/A
2/16/2011 5720 AS 4/24/2011 3901 BC 11/1/10 5415 H 2/14/10 302 LIN 2/14/10 302 LIN 8/11/2011 516 N I 7/20/2012 516 N I 2/22/03 203 S G 9/25/06 203 S G 5/28/08 203 S G 1/6/09 203 S G 8/12/09 5745 SA 1/24/10 5760 SA	ASHEVILLE HIGHWAY BONNIE VIEW AVENUE HOLSTON DRIVE LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE SANDIS LANE SANDIS LANE	LC Loves Creek 20	MH 11-3 MH 74-8 Broken Force Main Lateral Cleanout MH 61-8 MH 61-8 MH 25		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	2,300 50 170 5	3 2		N/A N/A N/A	Repair Completed BA/Grease Control Repair Completed	N/A 6 Months N/A
4/24/2011 3901 BC 1/11/10 5415 HC 2/14/10 302 LC 1/16/10 516 N I 8/11/2011 516 N I 7/20/2012 516 N I 2/22/03 203 S (BONNIE VIEW AVENUE HOLSTON DRIVE LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE S CANDIS LANE	LC Loves Creek 20	MH 74-8 Broken Force Main Lateral Cleanout MH 61-8 MH 61-8 MH 61-8 MH 25		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	50 170 5	2 1.5 5		N/A N/A	BA/Grease Control Repair Completed	N/A
2/14/10 302 LIN 2/4/08 516 N I 8/11/2011 516 N I 7/20/2012 516 N I 2/22/03 203 S (9/25/06 203 S (5/28/08 203 S (1/6/09 203 S (8/12/09 5745 SA 1/24/10 5760 SA	LINGBURTON AVENUE N BEAMAN STREET N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE SANDIS LANE SANDIS LANE	LC Loves Creek 20	Lateral Cleanout MH 61-8 MH 61-8 MH 61-8 MH 25		Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	5	1.5 5				
2/4/08 516 N I 8/11/2011 516 N I 7/20/2012 516 N I 2/22/03 203 S 0 9/25/06 203 S 0 5/28/08 203 S 0 1/6/09 203 S 0 8/12/09 5745 SA 1/24/10 5760 SA	N BEAMAN STREET N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE SANDIS LANE SANDIS LANE	LC Loves Creek 20	MH 61-8 MH 61-8 MH 61-8 MH 25		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	5 180	5				N/A
8/11/2011 516 N I 7/20/2012 516 N I 2/22/03 203 S (9/25/06 203 S (5/28/08 203 S (1/6/09 203 S (8/12/09 5745 SA 1/24/10 5760 SA	N BEAMAN STREET N BEAMAN STREET S CHILHOWEE DRIVE SANDIS LANE SANDIS LANE	LC Loves Creek 20	MH 61-8 MH 61-8 MH 25		Blockage - Roots. The sewer main was flushed & area was cleaned.	100	1		N/A Construction Underway	Repair Completed	6 Months
7/20/2012 516 N I 2/22/03 203 S G 9/25/06 203 S G 5/28/08 203 S G 1/6/09 203 S G 8/12/09 5745 SA 1/24/10 5760 SA	N BEAMAN STREET S CHILHOWEE DRIVE SANDIS LANE SANDIS LANE	LC Loves Creek 20	MH 61-8 MH 25			10	0.25		Construction Underway	BA	6 Months
9/25/06 203 S 6 5/28/08 203 S 6 1/6/09 203 S 6 8/12/09 5745 SA 1/24/10 5760 SA	S CHILHOWEE DRIVE S CHILHOWEE DRIVE S CHILHOWEE DRIVE SANDIS LANE SANDIS LANE	LC Loves Creek 20 LC Loves Creek 20			Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Underway	N/A	N/A
5/28/08 203 S 0 1/6/09 203 S 0 8/12/09 5745 SA 1/24/10 5760 SA	S CHILHOWEE DRIVE S CHILHOWEE DRIVE SANDIS LANE SANDIS LANE	LC Loves Creek 20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	1800	3		Future Construction Planned	BA	12 Months
5/28/08 203 S 0 1/6/09 203 S 0 8/12/09 5745 SA 1/24/10 5760 SA	S CHILHOWEE DRIVE S CHILHOWEE DRIVE SANDIS LANE SANDIS LANE	LC Loves Creek 20			Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	2160	6		Future Construction Planned	BA	12 Months
8/12/09 5745 SA 1/24/10 5760 SA	SANDIS LANE SANDIS LANE	10 1 0	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	16	0.5		Future Construction Planned	N/A	N/A
1/24/10 5760 SA	SANDIS LANE	LC Loves Creek 20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	6,100	12	✓	Future Construction Planned	N/A	N/A
		LC Loves Creek 20 LC Loves Creek 20	Force Main Influent Structure		Construction Failure - Dig-In. Force main was repaired & the area was cleaned. WWTP - Electrical Failure. Electricity was restored.	5,240 190000	1 0.75		N/A N/A	Repair Completed N/A	N/A N/A
2/3/2012 0/30 3/	OMNUTO LAINE	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
1	5, 11, 15, 15 E 11, 12	20 2000 0.000	Broken Force main	Р	Pump Station - Electrical Failure during Heavy Rainfall. Electricity was restored & the area was cleaned. The area received	,	-		1071	rtopan completed	- 1071
	SANDIS LANE	LC Loves Creek 20	MH 1		an average 5.65 Inches of rainfall in 24 hour period.	1,000,800	2		N/A	Repair Completed	N/A
	HILTON ROAD LANCE DRIVE	KUW Third Creek 21 KUW Third Creek 21	MH 10-64 MH 10-85		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	400 4,900	1 24		N/A N/A	BA BA	9 Month 6 Months
	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
	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
	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
	MIDDLEBROOK PIKE BRAGG STREET	KUW Third Creek 21 KUW Third Creek 22	Dewatering Containment MH 21-123		Construction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	150 60	0.1 1.5		N/A N/A	Repair Completed BA	N/A 6 Months
	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
	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
	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
	MYNDERSE AVENUE MYNDERSE AVENUE	KUW Third Creek 22 KUW Third Creek 22	MH 18-3 MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1000 11500	8	V	Future Construction Planned Future Construction Planned	BA BA	6 Months
	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	6 Months
	STERCHI STREET	KUW Third Creek 22	MH 11-44		Blockage - Debris. The sewer main was flushed & area was cleaned.	30	1		N/A	ВА	6 Month
	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
	TENNESSEE AVENUE ARTHUR STREET	KUW Third Creek 22 KUW Second Creek 23	MH 16-13 MH 19-132		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	310 360	1		N/A N/A	BA BA	6 Months 6 Months
	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
1/11/09 1110 CL	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
	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
	SIXTEENTH STREET SIXTEENTH STREET	KUW Second Creek 23 KUW Second Creek 23	MH 21-177 MH 21-33		Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	200 700	1.5		N/A N/A	BA/Grease Control Repair Completed	12 Months N/A
	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
	THIRTEENTH STREET	KUW Second Creek 23	Broken Sewer		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	100	1		N/A	Repair Completed	N/A
	VAN STREET W BAXTER AVENUE	KUW Second Creek 23 KUW Second Creek 23	MHs 28-14, 28-1, & 28 and Subsurface MH 49		Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	unknown 800,000	unknown 4		Construction Completed Future Construction Planned	N/A N/A	N/A N/A
	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/Grease Control	12 Months
8/4/2011 701 W	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
	E FIFTH AVENUE E FIFTH AVENUE	KUW First Creek 24 KUW First Creek 24	MH 29-2 Broken Gravity Main		Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	765 7,800	1.5 2.5	 	N/A N/A	BA Repair Completed	12 Months N/A
	E GLENWOOD AVENUE	KUW First Creek 24	MH 25-49		Blockage - Grease. The sewer main was flushed & area was cleaned.	410	3		Construction Underway	BA/Grease Control	6 Month
9/5/2011 1903 JE	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 Underway	N/A	N/A
	JEFFERSON AVENUE JEFFERSON AVENUE	KUW First Creek 24			Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	100 180	<u> </u>	✓	Construction Underway	N/A N/A	N/A N/A
	JEFFERSON AVENUE JEFFERSON AVENUE	KUW First Creek 24 KUW First Creek 24	Lateral Cleanout Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	180 50	1	✓	Construction Underway Construction Underway	N/A N/A	N/A N/A
			Lateral Cleanouts at 1907, 1908, & 1909								
	JEFFERSON AVENUE JEFFERSON AVENUE	KUW First Creek 24 KUW First Creek 24	Jefferson Ave Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	150 40	0.5	✓	Construction Underway	N/A N/A	N/A N/A
	MARTIN LUTHER KING JR DRIVE	KUW First Creek 24 KUW First Creek 24	MH 6-152 & Privately Owned MH		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	530	0.5	·	Construction Underway N/A	BA	6 Months
2/15/2011 2236 MA	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	6 Months
	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
	WASHINGTON AVENUE BEN HUR AVENUE	KUW First Creek 24 KUW Williams Creek 25	MH 25-114 Broken Lateral & BBU	BBU	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	190,000 60	4		Construction Completed N/A	N/A BA	N/A 6 Month
	BEN HUR AVENUE	KUW Williams Creek 25	Abandoned Lateral Cleanout	550	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	500	1.5		N/A N/A	BA	6 Months
1/24/10 1109 BII	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
	DANDRIDGE AVENUE	KUW Williams Creek 25	MH 4-103		Blockage - Debris. The sewer main was flushed & area was cleaned.	115	0.25	-	N/A N/A	BA Crosse Central	6 Months
	DANDRIDGE AVENUE GRAVES STREET	KUW Williams Creek 25 KUW Williams Creek 25	MH 4-103 and Lateral Cleanout MH 31		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	344 500	1	+	N/A N/A	BA/Grease Control BA/Grease Control	12 Months 3 Months
	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 MC	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
	RIVERSIDE DRIVE ANDES ROAD	KUW Williams Creek 25 LC Loves Creek 26	MH 2 MH 72-152		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	720,000 250	4 2	√	Future Construction Planned N/A	N/A BA/Grease Control	N/A

Date S	treet #	Street	Plant	Watershed	Basin (Overflow Location	Prope	rivate operty ocation	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
1/20/2011		GREEN VALLEY DRIVE	LC			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 10/24/2012		GREEN VALLEY DRIVE GREEN VALLEY DRIVE	LC LC	Loves Creek Loves Creek	26 26	Air Release Valve Air Release Valve			Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	150 50	0.25	✓	Construction Completed N/A	N/A Repair Completed	N/A N/A
3/2/2011		GREEN VALLEY DRIVE			26	Broken Pipe			Broken System - Broken Force Main. Force main was repaired & the area cleaned.	2,025	1	✓	Construction Completed	N/A	N/A
2/28/2011		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
6/29/2011 5/3/10		HOLSTON HILLS ROAD HOLSTON HILLS ROAD		Loves Creek Loves Creek	26 26	MH 72 MH 104-4 and BBU	BBU	BBU	Heavy rainfall in the area resulted in high flows in the collection system. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	200 940	1.5	V	Future Construction Planned N/A	N/A Repair Completed / BA	N/A 12 Months
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
3/1/2012 2/24/2011		MONTVIEW ROAD PICKWICK ROAD	LC LC	Loves Creek Loves Creek	26 26	MH 65-131 Lateral Cleanout			Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	60 30	1		N/A N/A	BA/Grease Control	12 Month 12 Months
11/23/2011		LONAS DRVIE		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		OLD AMHERST ROAD		Fourth Creek	27	Lateral Cleanout			Blockage - Grease. The sewer main was flushed & area was cleaned.	3,000	4		Construction Completed	BA/Grease Control	12 Month
3/1/2011 7/13/2012		OLD AMHERST ROAD PINEY GROVE CHURCH ROAD		Fourth Creek Fourth Creek	27	MH 22-117 MH 49-110			Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned.	50 2,800	3		Construction Completed N/A	N/A BA	N/A 12 Month
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
7/13/10		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 (One are Complete)	6 Months
9/10/04 9/24/04		N BELLEMEADE AVENUE N BELLEMEADE AVENUE	KUW	Third Creek Third Creek	28	MH 3-53 MH 3-53			Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	180 75	1.25	√	Construction Completed Construction Completed	BA/Grease Control BA	1 Month 1 Month
10/19/04		N BELLEMEADE AVENUE	KUW			Underground Flow			Blockage - Grease. The sewer main was flushed & area was cleaned.	2805	27	· ·	Construction Completed	BA/Grease Control	1 Month
12/9/04		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		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 10/16/2012		N BELLEMEADE AVENUE N BELLEMEADE AVENUE	KUW		28	MH 3-53 MH 3-53			Heavy rainfall in the area resulted in high flows in the collection system.	300 35	1	√	Construction Completed Future Construction Planned	N/A	N/A N/A
10/16/2012		PAPERMILL DRIVE	KUW		28	MH 31			Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	500	0.5		N/A	N/A BA	6 Months
3/8/10		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 7/15/10		AILOR AVENUE HIGHLAND AVENUE	KUW		29	Lateral Cleanout MH 9-29			Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	200 100	1		N/A N/A	BA BA	12 Month 12 Months
6/28/10		JERSEY AVENUE	KUW		29	MH 8-30			Blockage - Roots. The sewer main was flushed & area was cleaned.	3,200	24		Construction Underway	BA	3 Months
12/3/08		KINGSTON PIKE	KUW	Third Creek	29	Broken Pipe			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		KINGSTON PIKE	KUW	Third Creek		emporary 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 BA/Grease Control	N/A 3 Months
5/25/09 3/7/2012		MIDDLEBROOK PIKE NINETEENTH AVENUE	KUW	Third Creek Third Creek	29 F	MH 38 loor Drain and BBU	BBI	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	162 35	0.75		N/A N/A	BA/Grease Control	9 Month
11/24/09		S CONCORD STREET	KUW		29	MH 8-10	550	DDO	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	60	1		N/A	BA/Grease Control	12 Months
8/16/10		S CENTRAL STREET	KUW		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		S CENTRAL STREET	KUW	First Creek	30	MH 3-7			Heavy rainfall in the area resulted in high flows in the collection system. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	100 800	8		Future Construction Planned	N/A	N/A
3/7/2012 4/16/2011		WEST HILL AVENUE RIVERSIDE DRIVE	KUW		30	Unnamed MH MH 1-1			Heavy rainfall in the area resulted in high flows in the collection system.	2,000	8	✓	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
7/7/2011		RIVERSIDE DRIVE			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		RIVERSIDE DRIVE			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
9/26/10 9/6/10		BATHURST ROAD KINGSTON PIKE		Fourth Creek	32	MH 4-23 MH 9-4			Blockage - Roots. The sewer main was flushed & area was cleaned. Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	5 24000	1 48		Construction Completed N/A	BA Repair Completed	12 Months N/A
3/26/09		BROOKVALE LANE		Fourth Creek Fourth Creek	32	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		BROOKVALE LANE		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		HASTINGS LANE		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 4/14/2011		KIRBURY LANE KINGSTON PIKE	FC KUW	Fourth Creek Third Creek	33	MH 65-19 Lateral Cleanout			Blockage - Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	10	1 2		N/A N/A	BA Repair Completed	12 Month N/A
1/27/10		KINGSTON PIKE	KUW	Third Creek		Broken Sewer 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		KINGSTON PIKE	KUW		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		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 9/6/2011		KINGSTON PIKE KINGSTON PIKE	FC KUW	Fourth Creek Third Creek	34	MH 58 MH 58			Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	600 2.000	3	✓ ✓	Construction Completed Construction Completed	N/A BA	N/A 6 Months
12/3/10		LEBANON STREEET			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		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		OLD KINGSTON PIKE	KUW		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 1/12/09		DEANE HILL DRIVE DULANEY WAY		Fourth Creek Fourth Creek	36	MH 3-176 MH 12-86			Broken System - Manhole Failure. The manhole was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	4320 1.780	3.5		N/A N/A	Repair Completed BA	N/A 6 months
11/5/2011		HANSMORE PLACE			36	MH 3-325			Blockage - Debris. The sewer main was flushed & area was cleaned.	100	3		N/A	BA	12 Months
10/16/09		ROTHERWOOD DRIVE			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 2/5/10		ROTHERWOOD DRIVE ROTHERWOOD DRIVE			36 N	MHs 32, 33, 34 & 36 MH 34			Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	41575 51015	36 71	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
11/13/02		SHADYLAND DRIVE			36	MH 36			Blockage - Roots. The sewer main was flushed & area was cleaned.	720	4	· ·	Construction Completed	BA	12 Months
3/9/03	7112	SHADYLAND DRIVE		Fourth Creek	36	MH 36			Blockage - Debris. The sewer main was flushed & area was cleaned.	19,200	40	✓	Construction Completed	BA	12 Months
0/00/00	7440	OLIADVI AND DDIVE	F0	Faceth Occasio	20	MILOO				4000	0		O-materialism O-malatad	DA	C Mantha
9/23/06		SHADYLAND DRIVE SHADYLAND DRIVE		Fourth Creek Fourth Creek	36	MH 36 MH 36			Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains. Heavy rainfall in the area resulted in high flows in the collection system.	4320 62	8		Construction Completed Construction Completed	BA BA	6 Months 6 Months
1/6/09		SHADYLAND DRIVE			36	MH 36			Heavy rainfall in the area resulted in high flows in the collection system.	17,300	24		Construction Completed	BA	6 Months
9/5/02		SHADYLAND DRIVE			36	MH 36			Blockage - Roots. The sewer main was flushed & area was cleaned.	180	3	✓	Construction Completed	BA	12 Months
10/26/09		WESTLAND DRIVE		Fourth Creek		Subsurface			Blockage - Roots. The sewer main was flushed & area was cleaned.	4,745	2		Construction Completed	N/A	N/A
4/29/2011 8/27/10		WESTLAND DRIVE EVENING SHADE LANE				Broken Gravity Main Broken Force Main			Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	57,000 10	2		N/A N/A	Repair Completed Repair Completed	N/A N/A
3/17/02		LYONS BEND ROAD			37	MH 1			WWTP - Electrical Failure. Electricity was restored.	1,916,000	2	✓	N/A	Repair Completed	N/A
3/18/02		LYONS BEND ROAD			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 2/15/03		LYONS BEND ROAD			37	MH 1 MH 1			WWTP - Mechanical Failure. Plant was reinstated. Heavy rainfall in the area resulted in high flows in the collection system.	569,000	2 2	✓ ✓	N/A Construction Underway	Repair Completed N/A	N/A N/A
2/15/03		LYONS BEND ROAD LYONS BEND ROAD			37	MH 1			Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	136,000 871,000	6	· ·	Construction Underway Construction Underway	N/A N/A	N/A N/A
5/6/03		LYONS BEND ROAD			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		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		LYONS BEND ROAD			37	MH 1 MH 1			WWTP - Electrical Failure. Electricity was restored. WWTP - Electrical Failure. Electricity was restored.	1,370,000	3.14	✓	Construction Underway	N/A Penair Completed	N/A
12/11/03 6/17/04		LYONS BEND ROAD LYONS BEND ROAD		Fourth Creek Fourth Creek		ary Clarifiers 3, 4, 5 & 6			Heavy rainfall in the area resulted in high flows in the collection system.	48,650 2000	0.33	•	N/A Construction Underway	Repair Completed N/A	N/A N/A
9/22/04		LYONS BEND ROAD			37	MH 1			WWTP - Mechanical Failure. Plant was reinstated.	102,483	0.5	✓	N/A	Repair Completed	N/A
11/24/04		LYONS BEND ROAD			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 12/9/04		LYONS BEND ROAD LYONS BEND ROAD		Fourth Creek Fourth Creek		Aeration Splitter Box MH 1			Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	29,123 113,590	2.67 1.83	✓	Construction Underway Construction Underway	N/A N/A	N/A N/A
12/3/04	1000	E. ONO DEND HOND	1.0	1 Julii Oleek		WILL I			rivery remains and area recording in might note in the contention system.	110,000	1.03	1	Constitution onlice way	005473	

				Private			Event occurred two or			
Date St	Street # Street	Plant Watershed Basin	Overflow Location	Property Location Cause of SSO/KUB Response	Volume (Gallons)) Duration (Hours)	more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
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	√ months	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 9/26/09	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth Creek 37 FC Fourth Creek 37	Leaking Valve MH 1	Broken System - Sludge Line Valve Failure. The valve was replaced & the area cleaned. WWTP - Electrical Failure. Electricity was restored.	25 40,000	0.58 0.06	√	N/A Construction Underway	Repair Complete N/A	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 Complete	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 1/1/2011	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth Creek 37 FC Fourth Creek 37	MH 1 MH 1 & MLSS Wetwell	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1840000 380,000	11.5 2.82	√	Construction Underway Construction Underway	N/A N/A	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
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 4/28/2011	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth Creek 37 FC Fourth Creek 37	MH 1 MH 1	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	350,000 680.000	2.82 5.82	✓ ✓	Construction Underway Construction Underway	N/A N/A	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 1/23/2012	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth Creek 37 FC Fourth Creek 37	MH 1 MH 1	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	398,650 40,000	6.42 0.08	✓ ✓	Construction Underway Construction Underway	N/A N/A	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 N/A
				Pump Station - Electrical Failure during Heavy Rainfall. Electricity was restored & the area was cleaned. The area received			,			
9/18/2012 10/8/2012	1500 LYONS BEND ROAD 5032 LYONS VIEW PIKE	FC Fourth Creek 37 FC Fourth Creek 37	MH 1 Grinder Pump	an average 5.65 Inches of rainfall in 24 hour period. Grinder Pump Failure. Pump was repaired & the area was cleaned.	1,823,600	8.5 1.5	✓ ✓	N/A N/A	Repair Completed Repair Completed	N/A 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
4/29/2011	1704 POLKWRIGHT LANE 1712 POLKWRIGHT LANE	FC Fourth Creek 37 FC Fourth Creek 37	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.25		N/A N/A	Repair Completed	N/A N/A
1/18/10 3/12/2011	1712 POLKWRIGHT LANE	FC Fourth Creek 37 FC Fourth Creek 37	Grinder Pump Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A N/A	Repair Completed Repair Completed	N/A 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 1728 POLKWRIGHT LANE	FC Fourth Creek 37 FC Fourth Creek 37	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5 5	0.08		N/A N/A	Repair Completed	N/A 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	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	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 4/16/2011	6410 S NORTHSHORE DRIVE 6410 S NORTHSHORE DRIVE	KUW Fourth Creek 37 FC Fourth Creek 37	MH 8 MH 8	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	Unknown 19,000	Unknown 5	✓ ✓	Construction Completed Construction Completed	N/A N/A	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 2	✓	Construction Completed	N/A	N/A
9/18/2012 3/7/2011	6410 S NORTHSHORE DRIVE 4420 ALTA VISTA WAY	FC Fourth Creek 37 KUW Third Creek 38	MH 8 Broken Gravity Main	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	40,000 13,000	2		Construction Completed N/A	N/A BA	N/A 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 3/13/2012	3604 HILLVALE CIRCLE 929 KEOWEE AVENUE	KUW Third Creek 38 KUW Third Creek 38	MH 1-115 Broken Pipe	Heavy rainfall in the area resulted in high flows in the collection system. Construction Failure by Customer - Dig-In. A section sewer main was repaired & the area was cleaned.	100 900	24		Construction Completed N/A	N/A Repair 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
5/10/2012 1/31/2011	3560 TALAHI DRIVE 4216 VALENCIA ROAD	KUW Third Creek 38 KUW Third Creek 38	Lateral Cleanout MH 49-9	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	400 65	3		N/A N/A	BA BA	9 Month 6 Months
9/17/2012	4600 CHAPMAN HIGHWAY	KUW South Knoxville 39	MHs 81 & 82	Broken System - Broken Gravity Main. The sever 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	ВА	12 Months
4/21/06 2/28/2011	4411 CYPRESS LANE 113 DRINNEN AVENUE	KUW South Knoxville 39 KUW South Knoxville 39	MH 62-21 MHs 28-26 & 28-27	Blockage - Roots and Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	225 600	3 2		N/A Construction Completed	BA N/A	3 Months N/A
10/28/2012	4500 EAST END ROAD	KUW South Knoxville 39	Lateral Cleanout	Blockage - Roots. The sewer main was flushed & area was cleaned.	20	1		N/A	BA	12 Month
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 3/6/09	123 INGERSOLL AVENUE 751 INGERSOLL AVENUE	KUW South Knoxville 39 KUW South Knoxville 39	Lateral Cleanout MH 4-13	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	12 405	1 6		N/A N/A	BA BA/Grease Control	6 Months 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 Month
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
5/15/09 3/29/2011	1233 MARYVILLE PIKE 702 REDWINE STREET	KUW South Knoxville 39	MH 27-115 MH 5	Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	22 100	0.25	√	N/A N/A	BA Bonoir Completed	6 Months N/A
10/20/09	850 TALLY HO DRIVE	KUW South Knoxville 39 KUW South Knoxville 39	MH 62-21	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	1,870	2		N/A N/A	Repair Completed 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 11/28/2011	3808 W BLOUNT AVENUE 2110 ATCHLEY STREET	KUW South Knoxville 39 KUW South Knoxville 40	Broken Sewer Lateral MH 1-80	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	13000 100	24		N/A N/A	Repair Completed Repair Completed	NA 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. 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 6/25/04	1210 E MOODY AVENUE 1210 E MOODY AVENUE	KUW South Knoxville 40 KUW South Knoxville 40	MH 39 MH 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	4675 1080	4 2	✓ ✓	Construction Completed Construction Completed	N/A N/A	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	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	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 MH 39	Heavy rainfall in the area resulted in high flows in the collection system.	1,100	4	√	Construction Completed	N/A N/A	N/A N/A
1/6/09 5/8/09	1210 E MOODY AVENUE 1210 E MOODY AVENUE	KUW South Knoxville 40 KUW South Knoxville 40	МН 39 МН 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	7,400 540	14.5 1.5	√	Construction Completed Construction Completed	N/A N/A	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 7/28/09	1210 E MOODY AVENUE 1210 E MOODY AVENUE	KUW South Knoxville 40 KUW South Knoxville 40	MH 39 MH 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	254 180	1 1	✓ ✓	Construction Completed Construction Completed	N/A N/A	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 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 5/3/10	1210 E MOODY AVENUE 1210 E MOODY AVENUE	KUW South Knoxville 40 KUW South Knoxville 40	MH 39 MH 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	Unknown 750	Unknown 5	✓ ✓	Construction Completed Construction Completed	NA NA	NA NA
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	ATTAL ENVERONDED	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
	3741 EAKERS STREET	and the second s		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	10560	Ω		Construction Completed	N/A	N/A
0/23/06		KLIW South Knowillo 40	MHc 17 8 17 100	I Namian amounts between 3.33 & 3.03 Ten across the service area producing I & I and high hows in the sewer mains.	10000	0	1	construction completed	IN/A	
9/23/06 8/6/09	3741 EAKERS STREET 3741 EAKERS STREET 3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40	MHs 47 & 47-103 MH 47	Heavy rainfall in the area resulted in high flows in the collection system.	224	0.5	✓	Construction Completed	N/A	N/A
8/6/09 9/26/09	3741 EAKERS STREET 3741 EAKERS STREET 3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40	MH 47 MHs 47 & 47-103	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	224 1,900	3	√	Construction Completed	N/A	N/A
8/6/09 9/26/09 1/25/10	3741 EAKERS STREET 3741 EAKERS STREET 3741 EAKERS STREET 3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40 KUW South Knoxville 40	MH 47 MHs 47 & 47-103 MH 47	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	224 1,900 Unknown	3 Unknown	✓	Construction Completed Construction Completed	N/A NA	N/A NA
8/6/09 9/26/09	3741 EAKERS STREET 3741 EAKERS STREET 3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40	MH 47 MHs 47 & 47-103	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	224 1,900	3	√	Construction Completed	N/A	N/A
8/6/09 9/26/09 1/25/10 5/3/10	3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40 KUW South Knoxville 40 KUW South Knoxville 40	MH 47 MHs 47 & 47-103 MH 47 MH 47	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	224 1,900 Unknown 450	3 Unknown 2.5	✓	Construction Completed Construction Completed Construction Completed	N/A NA NA	N/A NA NA

						Private				Event occurred two or			
Date	Street # Street	Plant V	Natershed	Basin	Overflow Location	Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
4/28/2011	3741 EAKERS STREET		outh Knoxville		MHs 47 & 47-103	Location	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		outh Knoxville		MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	V	Construction Completed	N/A	N/A
9/18/2012 6/15/09	3741 EAKERS STREET 900 GERTRUDE AVENUE		outh Knoxville		MH 47-103 MH 3-70		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	2,000 60	3 0.5	✓	Construction Completed N/A	N/A BA	N/A 6 Months
3/7/2011	243 GILBERT LANE		outh 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		outh Knoxville		MH 1-85		Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	10,000	5		N/A	Repair Completed	N/A
10/12/2012	521 TALIWA DRIVE 961 E FORD VALLEY ROAD		outh Knoxville		Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	3	✓	N/A Construction Completed	Repair Completed	N/A
2/16/03 3/13/03	961 E FORD VALLEY ROAD		Knob Creek Knob Creek	41	Wetwell Wetwell		Heavy rainfall in the area resulted in high flows in the collection system. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	180 600	0.5	· ·	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/20/03	961 E FORD VALLEY ROAD		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		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	_	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 12/30/03	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD		Knob Creek Knob Creek	41	Wetwell Wetwell		Heavy rainfall in the area resulted in high flows in the collection system. Construction Failure - Sewer Main Flushing. The area was cleaned.	2100 30	0.17	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
2/6/04	961 E FORD VALLEY ROAD	_	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		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 K	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 k	Knob Creek	41	Wetwell		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	9000	5		Construction Completed	N/A	N/A
9/24/07	961 E FORD VALLEY ROAD		Knob Creek	41	Force Main		Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	4,500	1.5		Construction Completed	Repair Complete	N/A
1/6/09	961 E FORD VALLEY ROAD		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		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 9/26/09	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD		Knob Creek Knob Creek	41	Wetwell Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	14,400 6.000	8 2	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/27/09	961 E FORD VALLEY ROAD		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		Knob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	200	0.16		Construction Completed	N/A	N/A
7/13/2011	719 E LAKE FOREST DRIVE	KUW K	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
9/18/2012	961 EAST FORD VALLEY ROAD	KUW K	Knob Creek	41	Wetwell		Pump Station - Electrical Failure during Heavy Rainfall. Electricity was restored & the area was cleaned. The area received an average 5.65 Inches of rainfall in 24 hour period.	97,500	2.5		N/A	Repair Completed	N/A
4/15/09	811 EDWARDS DRIVE		Knob Creek	41	MH 107		Blockage - Grease. The sewer main was flushed & area was cleaned.	60	1		N/A	BA/Grease Control	6 months
2/8/2012	736 GREENMEADOWS DRIVE	KUW K	Knob Creek	41	MH 24-1		Blockage - Grease. The sewer main was flushed & area was cleaned.	250	8		N/A	BA/Grease Control	12 Month
12/12/09	5227 MCNUTT ROAD		Knob Creek	41	MH 96		Blockage - Unknown. The sewer main was flushed & area was cleaned.	1,061	1		Future Construction Planned	BA	6 Months
8/3/2011 9/12/10	5910 MEADOW OAKS LANE 5915 NEUBERT SPRINGS ROAD		Knob Creek Knob Creek	41	Broken Force Main Unnamed Manhole at Facility		Broken System - Broken Force Main. Force main was repaired & the area cleaned. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1,000 294000	3.5	✓	N/A Construction Underway	Repair Completed N/A	N/A N/A
1/7/2011	5915 NEUBERT SPRINGS ROAD		Knob Creek	41	Unnamed Manhole at Facility Unnamed Manhole at Facility		Heavy rainfall in the area resulted in high flows in the collection system.	294000	3.5 4.4	∨	Construction Underway Construction Underway	N/A N/A	N/A N/A
9/18/2012	5915 NEUBERT SPRINGS ROAD		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
8/9/10	6401 OLD VALLEY ROAD		outh Knoxville	41	MH 67-3		Blockage - Debris. The sewer main was flushed & area was cleaned.	35	3		NA N/A	BA Control	6 Months
11/8/09 1/29/2012	6116 SEVIERVILLE PIKE 612 VIEW PARK DRIVE		outh Knoxville Knob Creek	41	MH 107-2 MH 97-44		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	510 25	3		N/A N/A	BA/Grease Control BA	6 months 6 Month
2/4/09	8560 WESTLAND DRIVE		ourth 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		ourth 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 1/15/2012	8560 WESTLAND DRIVE 8560 WESTLAND DRIVE		ourth Creek	42 42	Air Release Valve Force Main Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Broken System - Force Main Valve Leak.The valve was repaired & the area was cleaned.	4130 1.800	1.5 2.5		Construction Completed N/A	N/A Repair Completed	N/A N/A
7/23/09	5212 BENT RIVER BOULEVARD		ourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	741	504 Intermittently		N/A	Repair Completed	N/A
3/19/10	5218 BENT RIVER BOULEVARD		ourth 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		ourth Creek		Grinder Pump	DDII	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.5		N/A N/A	Repair Completed	N/A N/A
3/24/08 9/19/2012	5219 BENT RIVER BOULEVARD 5219 BENT RIVER BOULEVARD		ourth Creek	43	Grinder Pump and BBU Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	15 103	1	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
9/25/2012	5219 BENT RIVER BOULEVARD		ourth 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		ourth Creek	43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	4	1	✓	N/A	Repair Completed	N/A
1/25/2011 4/3/10	5235 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD		ourth Creek	43	Broken Gravity Main Grinder Pump		Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	10 10	1 3		N/A N/A	Repair Completed Repair Completed	N/A N/A
9/13/03	5241 BENT RIVER BOULEVARD		ourth Creek		Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned. 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		ourth Creek		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		ourth Creek		Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	4		N/A	Repair Completed	N/A
7/23/2011 9/9/03	5241 BENT RIVER BOULEVARD 5246 BENT RIVER BOULEVARD		ourth Creek ourth Creek		Grinder Pump Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	5 30	1 4		N/A N/A	Repair Completed Repair Completed	N/A N/A
11/30/04	5246 BENT RIVER BOULEVARD		ourth 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 F	ourth 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 4/10/10	5246 BENT RIVER BOULEVARD 5246 BENT RIVER BOULEVARD		ourth Creek		Grinder Pump Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	29 5	2.33	✓	N/A N/A	Repair Completed	N/A N/A
5/6/10	5246 BENT RIVER BOULEVARD		ourth Creek	43	Grinder Pump Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	3	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
6/18/10	5246 BENT RIVER BOULEVARD	FC F	ourth 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 9/9/2011	5246 BENT RIVER BOULEVARD 5246 BENT RIVER BOULEVARD		ourth Creek		Grinder Pump Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	2 8	1 2	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
8/24/2011	5246 BENT RIVER BOULEVARD 5247 BENT RIVER BOULEVARD		ourth Creek	43	Grinder Pump Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1	Y	N/A N/A	Repair Completed Repair Completed	N/A N/A
10/22/2012	5253 BENT RIVER BOULEVARD	FC F	ourth 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		ourth 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 12/13/10	5307 BENT RIVER BOULEVARD 5332 BENT RIVER BOULEVARD		ourth Creek ourth Creek	43	Grinder Pump Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	10 30	2.5	√	N/A N/A	Repair Completed Repair Completed	N/A N/A
12/13/10	5347 BENT RIVER BOULEVARD		ourth Creek	43	Grinder Pump and BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned. 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 F	ourth Creek		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		ourth 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 7/25/10	5356 BENT RIVER BOULEVARD 5363 BENT RIVER BOULEVARD		ourth Creek ourth Creek		Grinder Pump Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	10 200	1.5	√	N/A N/A	Repair Completed Repair Completed	N/A N/A
3/30/2012			ourth Creek		Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.75		N/A	Repair Completed Repair Completed	N/A
10/3/2011	1915 LYONS BEND ROAD	FC F	ourth 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			ourth Creek		Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	200	2	✓	N/A	Repair Completed	N/A N/A
3/18/02 5/3/02	2600 WOODSON DRIVE 2600 WOODSON DRIVE		uth Knoxville outh Knoxville		MH 2-1 MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	3000 900	10	∨	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/21/02	2600 WOODSON DRIVE		uth Knoxville		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		uth Knoxville		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		outh Knoxville		MH 2-1 MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	16,500	22 70	✓	Construction Completed	N/A N/A	N/A N/A
2/22/03 4/10/03	2600 WOODSON DRIVE 2600 WOODSON DRIVE		outh Knoxville		MH 2-1 MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	10,500 510	4.25	∨	Construction Completed Construction Completed	N/A N/A	N/A N/A
5/5/03	2600 WOODSON DRIVE	KUW So	outh 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			outh Knoxville		MH 2-1 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	N/A N/A
5/31/04	2600 WOODSON DRIVE	KUW 50	outh Knoxville	44	IVITI Z-1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	2400	1	ļ	Construction Completed	N/A 005475	

					Private				Event occurred two or			
Date	Street # Street	Plant Watersho	ed Bas	sin Overflow Location	Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
8/4/06	2600 WOODSON DRIVE	KUW South Knox			Location	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	500	1	months	Construction Completed	Repair Completed	N/A
2/18/09	2600 WOODSON DRIVE	KUW South Knox				Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	190	0.25		Construction Completed	N/A	N/A
11/30/10 8/3/10	2600 WOODSON DRIVE 2636 MARYVILLE PIKE	KUW South Knox				Heavy rainfall in the area resulted in high flows in the collection system. Vandalism - Bypass Pump Vandalized. Pump was repaired & the area was cleaned.	2150 60	3 0.15		Construction Completed NA	NA Repair Completed	NA NA
8/3/10	2641 MARYVILLE PIKE	KUW Knob Cre				Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	4		NA	Pump was repaired	NA
4/4/2011	2641 MARYVILLE PIKE 2715 MARYVILLE PIKE	KUW Knob Cre				Grinder Pump Failure. Pump was repaired & the area was cleaned.	10 60	1		N/A N/A	Repair Completed	N/A N/A
2/23/2012 11/5/2012	4923 BALL ROAD	KUW Knob Cre				Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	28,500	8		N/A N/A	Repair Completed Repair Completed	N/A N/A
4/4/06	5105 BALL ROAD	FC Fourth Cre				Broken System - Broken Force Main. Force main was repaired & the area cleaned.	442400	252		N/A N/A	Repair Completed	N/A N/A
4/17/10 4/9/2012	5105 BALL ROAD 5603 SUMMER GROVE LANE	KUW Third Cre				Broken System - Broken Force Main. Force main was repaired & the area cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	72675 100	2		N/A N/A	Repair Completed BA	12 Month
1/25/10	6621 CLINTON HIGHWAY	KUW Third Cre	ek 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
3/2/2011 7/9/2012	781 BAGWELL ROAD 781 BAGWELL ROAD	LC Loves Cre				Heavy rainfall in the area resulted in high flows in the collection system. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	576,000 125	12		N/A N/A	Repair Completed Repair Completed	N/A N/A
3/2/2011	3011 E GOV JOHN SEVIER HIGHWAY	KUW Riverdal	e 6	5 Pump Station		Heavy rainfall in the area resulted in high flows in the collection system.	21,600	3		Construction Completed	N/A	N/A
3/9/2012 4/9/10	8537 ASHEVILLE HIGHWAY 8630 ASHEVILLE HIGHWAY	EB Eastbridg			BBU	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	400 950	2 15		N/A N/A	BA BA	12 Month 12 Months
11/5/2012	8455 STRAWBERRY PLAINS PIKE	EB Eastbridg			ВВО	Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	460	4		N/A	Repair Completed	N/A
6/6/09	2501 FERNBANK ROAD	LC Loves Cre			5511	Blockage - Grease. The sewer main was flushed & area was cleaned.	44	4		N/A	BA/Grease Control	6 Months
3/26/09 9/1/2011	1925 ROSEWOOD ROAD 6235 RUTLEDGE PIKE	LC Loves Cre			BBU BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	1.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
3/12/2012	1711 TRANSPORT WAY	LC Loves Cre	eek 10	5 Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	0.25		N/A	Repair Completed	N/A
7/1/09 4/7/2012	2304 WOODS CREEK ROAD 2304 WOODS CREEK ROAD	LC Loves Cre				Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	50 5	1		N/A N/A	Repair Completed Repair Completed	N/A N/A
2/28/2011	4800 MALONEYVILLE ROAD	EB Eastbridg	ge 10	9 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 7/9/2012	4800 MALONEYVILLE ROAD 4800 MALONEYVILLE ROAD	EB Eastbridg				Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	1,800 50	1	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
2/10/05	5001 MALONEYVILLE ROAD	EB Eastbridg				Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	1410	4	· ·	Construction Completed	BA	6 Months
10/31/05 1/17/06	5001 MALONEYVILLE ROAD	EB Eastbridg				Blockage - Debris. The sewer main was flushed & area was cleaned.	6,101	1.5	✓	Construction Completed	BA BA	6 Months 1 Month
7/23/07	5001 MALONEYVILLE ROAD 5101 MALONEYVILLE ROAD	EB Eastbridg				Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	408 3,000	1	√	Construction Completed Construction Completed	N/A	N/A
8/19/07	5101 MALONEYVILLE ROAD	EB Eastbridg	ge 10	9 MH 93-26		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	1,440	2	✓	Construction Completed	N/A	N/A
3/2/09 2/2/2012	5101 MALONEYVILLE ROAD 7218 WASHINGTON PIKE	EB Eastbridg				Blockage - Debris. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	360 30	2 1.5		Construction Completed N/A	BA/Grease Control Repair Completed	1 Month N/A
6/7/06	8530 CROSSWIND LANDING LANE	EB Eastbridg	ge 11	0 Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	150	0.5		N/A	Repair Completed	N/A
7/28/10 6/10/10	8530 CROSSWIND LANDING LANE 6310 ROBERTS ROAD	EB Eastbridg				Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	3000 150	5		N/A N/A	Repair Completed Repair Completed	N/A N/A
7/12/02	7661 BUD HAWKINS ROAD	EB Eastbridg				Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	1000	3		N/A N/A	Repair Completed	N/A
2/26/03	7661 BUD HAWKINS ROAD	EB Eastbridg				Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	100	0.17		N/A	Repair Completed	N/A
6/10/05 6/26/06	7661 BUD HAWKINS ROAD 7661 BUD HAWKINS ROAD	EB Eastbridg				Pump Station - Mechanical Failure due to lightning strike. Station was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	2,880 600	1		N/A Construction Completed	Repair Completed N/A	N/A N/A
1/6/09	7661 BUD HAWKINS ROAD	EB Eastbridg				Heavy rainfall in the area resulted in high flows in the collection system.	24,000	8		Construction Completed	N/A	N/A
1/27/2011 6/12/09	3914 ROBERTS ROAD 4300 ROBERTS ROAD	EB Eastbridg				Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	375 30	2		N/A N/A	Repair Completed Repair Completed	N/A N/A
9/14/2012	4300 ROBERTS ROAD	EB Eastbridg				Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	2	✓	Construction Completed	Repair Completed	N/A
6/11/2011 10/1/2011	4304 ROBERTS ROAD 4304 ROBERTS ROAD	EB Eastbridg				Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	0.5	✓	N/A N/A	Repair Completed	N/A N/A
10/17/2011	4304 ROBERTS ROAD 4304 ROBERTS ROAD	EB Eastbridg				Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	0.25	√	N/A N/A	Repair Completed Repair Completed	N/A N/A
11/24/2012	7920 WASHINGTON PIKE	EB Eastbridg				Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.5		N/A	Repair Completed	N/A
8/17/2012 1/22/09	8035 WASHINGTON PIKE 9027 MASCOT ROAD	EB Eastbridg				Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	75	1		N/A N/A	Repair Completed Repair Completed	N/A N/A
7/23/09	2636 CHUKAR ROAD	FC Fourth Cre	eek 32	A Bypass System		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	12	0.25		N/A	Repair Completed	N/A
3/7/2011 3/19/10	6540 CREEKHEAD DRIVE 6549 CREEKHEAD DRIVE	FC Fourth Cre				Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	12,200 2,030	0.5		N/A N/A	BA BA	12 Months 12 Months
8/22/2011	1134 FERD HICKEY ROAD	FC Fourth Cr				Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	2,000	2		N/A	BA	12 Months
3/12/2011 10/3/02	1218 GLADE HILL DRIVE	LC Loves Cre FC Fourth Cre				Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	670 1200	2.5	√	N/A Construction Completed	BA/Grease Control N/A	12 Months N/A
12/5/02	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system.	18,000	12	<i>,</i>	Construction Completed	N/A	N/A
2/27/03	600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system.	1890	21	√	Construction Completed	N/A	N/A
5/6/03 7/2/03	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	49,875 14,440	66.5 24	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
11/6/03	600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system.	3600	4	· ·	Construction Completed Construction Completed	N/A N/A	N/A
11/19/03	600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system.	1920	8	√	Construction Completed	N/A	N/A
2/6/04 3/6/04	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	6050 1680	23.5 3.5	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
6/27/04	600 N GALLAHER VIEW ROAD	FC Fourth Cre				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 Cre				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 12/1/04	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	6480 20,160	12 14	√	Construction Completed Construction Completed	N/A N/A	N/A N/A
12/7/04	600 N GALLAHER VIEW ROAD	FC Fourth Cre	eek 32	A 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 2/21/05	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	189,000 260000	70 20	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/2/05	600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system.	7,200	20	√	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/13/05	600 N GALLAHER VIEW ROAD	FC Fourth Cre	eek 32	A MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	247,680	43	✓	Construction Completed	N/A	N/A
5/20/05 7/19/05	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	5,610 1.037	2.75	✓ ✓	Construction Completed	N/A N/A	N/A N/A
4/8/06	600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system.	1,037 38148	17	√	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/24/06	600 N GALLAHER VIEW ROAD	FC Fourth Cre				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 Cre	eek 32	A MH 77	F	tainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	3310000	5	✓	Construction Completed	N/A	N/A
1/7/09	600 N GALLAHER VIEW ROAD	FC Fourth Cre	eek 32	A 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 3/1/2011	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	95580 24,000	9	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
3/10/2011	600 N GALLAHER VIEW ROAD	FC Fourth Cre	eek 32	A 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 Cre	eek 32	A 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 11/6/2011	600 N GALLAHER VIEW ROAD 1708 PINETREE LANE	FC Fourth Cre				Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	36,000 62,000	72 - Intermittently		Future Construction Planned N/A	N/A BA	N/A 12 Months
3/18/10	5732 TENNYSON DRIVE	FC Fourth Cre				Blockage - Debris. The sewer main was flushed & area was cleaned.	20,825	168 Intermittently		N/A	ва 005476	6 Months

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							Private Property				Event occurred two or more times within 12		Short-Term Controls	
	Street #	Street	Plant	Waters			Location	Cause of SSO/KUB Response		Duration (Hours)	months	Long-Term Capital Project	Blockage Abatement (BA)	BA Schedule
3/1/2011 9/29/09	7927 W CLIFF 8012 W CLIFF		FC FC					Blockage - Debris. The sewer main was flushed & area was cleaned.	50 65	1		N/A N/A	BA/Grease Control	6 Months 6 Months
4/6/2011	8105 W CLIFF			Fourth (Creek 32A			Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	400	2.5		N/A N/A	BA/Grease Control	6 Months
4/28/2012	6532 WESTSI			Fourth (+	Vandalism. Blockage was removed & the area was cleaned.	66,000	5		N/A	Repair Completed	N/A
2/10/10	800 BENNET							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 BENNET			Fourth (Blockage - Debris. The sewer main was flushed & area was cleaned.	7750	24	✓	Construction Completed	Repair Completed	N/A
7/16/09	8205 CORTET							Blockage - Roots. The sewer main was flushed & area was cleaned.	9	1		N/A	BA	3 Months
11/2/2011	409 N WINST			Fourth (Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	6.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
10/30/09 12/31/06	1408 MIDDLE I 2004 NEYLANI		KUW		Creek 35A creek 35A			Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. WWTP - Mechanical Failure. Plant was reinstated.	7,190 160000	0.33		Future Construction Planned	N/A	N/A
9/26/09	2004 NEYLANI		KUW		Creek 35A			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 NEYLANI				Creek 35a			WWTP - Electrical Failure. Electricity was restored.	3,300,000	0.87		Future Construction Planned	Repair Completed	N/A
3/23/10	2004 NEYLANI	D 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 NEYLANI				Creek 35A			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 NEYLANI		KUW					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 NEYLANI 1300 ALCOA F		KUW		Creek 35a Creek 35E		+	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	100,000 650	0.25	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned N/A	N/A BA	N/A 12 Months
6/18/09	2303 CLINCH		KUW					Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	5,491	1		N/A	Repair Completed	N/A
5/8/09	2305 CLINCH		KUW					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 C	reek 35E	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		KUW					Blockage - Debris. The sewer main was flushed & area was cleaned.	750	1		N/A	BA	12 Months
7/20/2011	1912 CUMBER		KUW					Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	150	4		N/A	Repair Completed	N/A
5/3/2012 4/13/09	2010 CUMBER	NITY PARK DRIVE	KUW				BBU	Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. The capacity of the sewer main was exceeded when a swimming pool was drained.	50 650	1.5 2.25		N/A N/A	Repair Completed Repair Completed	N/A N/A
5/10/2011	2524 JACOB D		KUW				ВВО	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	2,000	2.23		N/A	Repair Completed	N/A
4/29/09	1801 LAKE AV		KUW					Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	710	2.25		N/A	Repair Completed	N/A
2/28/2011	2640 MORGAN		KUW					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 NEYLANI		KUW					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 7/30/02	2004 NEYLANI 2004 NEYLANI		KUW					WWTP - Electrical Failure. Electricity was restored. WWTP - Electrical Failure. Electricity was restored.	38,000 10,000	0.25 0.07	✓	Future Construction Planned	N/A N/A	N/A N/A
9/21/02	2004 NEYLANI		KUW					Heavy rainfall in the area resulted in high flows in the collection system.	1,660,000	2.18	∨	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
9/22/02	2004 NEYLANI		KUW					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 NEYLANI		KUW	Third C	reek 35E	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 NEYLANI	D DRIVE	KUW	Third C	creek 35E	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 NEYLANI		KUW					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 NEYLANI		KUW					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 2/21/03	2004 NEYLANI 2004 NEYLANI		KUW					Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1,480,000 1,320,000	7 2.5	✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
2/21/03	2004 NEYLANI		KUW	Third C				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 N/A
4/10/03	2004 NEYLANI		KUW					Heavy rainfall in the area resulted in high flows in the collection system.	1,740,000	3	· ·	Future Construction Planned	N/A N/A	N/A N/A
5/5/03	2004 NEYLANI		KUW					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 NEYLANI	D DRIVE	KUW	Third C	reek 35E			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 NEYLANI		KUW					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 NEYLANI		KUW					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 3/3/07	2004 NEYLANI 2004 NEYLANI		KUW					Heavy rainfall in the area resulted in high flows in the collection system. WWTP - Electrical Failure. Electricity was restored.	400,000 1.170.000	2.63 1.5	✓	Future Construction Planned Future Construction Planned	N/A Repair Completed	N/A N/A
1/24/02	2015 NEYLANI		KUW				+	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 N/A
1/25/02	2015 NEYLANI		KUW					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 NEYLANI	D DRIVE	KUW	Third C	reek 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 NEYLANI		KUW					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 NEYLANI		KUW					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 NEYLANI 2015 NEYLANI		KUW		Creek 35E Creek 35E		+	Heavy rainfall in the area resulted in high flows in the collection system.	3000 5500	0.25 0.5	√	Future Construction Planned	N/A N/A	N/A N/A
2/15/05 2/22/05	2015 NEYLANI 2015 NEYLANI				reek 35E		+	WWTP Process Failure. WWTP process was reinstated & the area was cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	200	0.5		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
3/22/05	2015 NEYLANI				creek 35E			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 NEYLANI				reek 35E			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 NEYLANI				reek 35E	·		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 NEYLANI			Third C		<u> </u>		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 NEYLANI			Third C			\perp	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 NEYLANI				Creek 35E		+	Broken System - Broken Force Main. Force main was repaired & the area cleaned.	10,600	1 0.002		Future Construction Planned Future Construction Planned	Repair Complete Repair Completed	N/A N/A
2/18/08 6/11/08	2015 NEYLANI 2015 NEYLANI		KUW			, , ,	+	Broken System - Sludge Line Leak. The leak was repaired & the area cleaned.	2,128	0.083		Future Construction Planned Future Construction Planned	Repair Completed Repair Completed	N/A N/A
9/4/08	2015 NEYLANI 2015 NEYLANI		KUW		reek 35E		+	WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	50 50	0.02		Future Construction Planned Future Construction Planned	Repair Completed Repair Completed	N/A N/A
1/31/2012	2015 NEYLANI				reek 35E		+	Construction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned.	25	0.003		N/A	Repair Completed	N/A
5/15/2012	2015 NEYLANI		KUW			Ÿ		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	100	0.33	✓	N/A	Repair Completed	N/A
10/5/2012	2015 NEYLANI	D DRIVE	KUW	Third C	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
3/10/2011	2377 NEYLANI	D DRIVE	KUW	Third C	reek 35E	MH 3		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A

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
4/40/04	4444 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	1/1.00/	F: 10 1		1411.00.4	Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by	0000			0 1 5 0 11 1		40.14
1/19/01 4/13/01	4144 OAKLAND DRIVE 614 SEVIER AVENUE	KUW	First Creek South Knoxville	40	MH 39-4 MH 1-43	debris. The sewer main was flushed to remove the blockage caused by debris.	2000 1200	1	✓	Construction Completed Construction Completed	BA/Grease Control	12 Months 3 Months
5/22/01	2907 GINNBROOKE LANE	KUW	Knob Creek	47	MH 22	Heavy rainfall in the area resulted in high flows in the collection system.	12,000	2	√	Construction Completed	N/A	N/A
6/25/01	2907 GINNBROOKE LANE 2907 GINNBROOKE LANE	KUW	Knob Creek Knob Creek	47 47	MH 22 MH 22	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	7200 1500	1.5 0.33	√	Construction Completed	N/A N/A	N/A N/A
7/29/01	2907 GINNBROOKE LANE 2907 GINNBROOKE LANE	KUW	Knob Creek	47	MH 22	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	24,000	8	▼	Construction Completed Construction Completed	N/A N/A	N/A
3/19/02	615 SEVIER AVENUE		South Knoxville	40	MH 1-43	BBU The sewer main was flushed to remove the blockage caused by grease and debris.	5000	8	✓	Construction Completed	BA/Grease Control	3 Months
9/21/02	2907 GINNBROOKE LANE	KUW	Knob Creek	47	MH 22	Heavy rainfall in the area resulted in high flows in the collection system.	36,000	12	✓	Construction Completed	N/A	N/A
11/11/02	2907 GINNBROOKE LANE	KUW	Knob Creek	47	MH 22	The overflow occurred as the result of the loss of electrical power during a severe storm event.	2700	3	✓	Construction Completed	Repair Completed	N/A
2/19/03	4144 OAKLAND DRIVE	KUW	First Creek	2	MH 39-48	Heavy rainfall in the area resulted in high flows in the collection system.	360	6	√	Construction Completed	BA	6 Months
2/22/03 4/3/03	4144 OAKLAND DRIVE 1215 ROCKY HILL ROAD	KUW FC	First Creek Fourth Creek	2 36	MH 39-48 MH 55	Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by grease.	240 240	2	✓	Construction Completed N/A	BA/Grease Control	6 Months 12 Months
5/6/03	436 MARYVILLE PIKE		South Knoxville		MH 29-2 & 30	Heavy rainfall in the area resulted in high flows in the collection system.	5640	47	✓	Construction Completed	BA	12 Months
5/19/03	615 SEVIER AVENUE		South Knoxville		MH 1-43	The sewer main was flushed to remove the blockage caused by debris.	300	3	·	Construction Completed	BA/Grease Control	3 Months
7/10/03 7/14/03	3821 W BLOUNT AVENUE 3821 W BLOUNT AVENUE		South Knoxville South Knoxville	39 39	MH 29-2 & 30 MH 29-2	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1200 60	1	✓	Construction Completed Construction Completed	BA BA	12 Months 12 Months
							- 00		·	·	D/ C	
9/21/03	5315 BENT RIVER BOULEVARD 614 SEVIER AVENUE	FC	Fourth Creek South Knoxville	43 40	Residential Grinder Pump MH 1-43	A landscaping contractor hit and damaged the control box for the residential grinder pump. The sewer main was flushed to remove the blockage caused by grease.	5 240	0.5	✓	N/A Construction Completed	Repair Completed BA/Grease Control	N/A 3 Months
2/6/04	436 MARYVILLE PIKE		South Knoxville	39	MH 30	Heavy rainfall in the area resulted in high flows in the collection system.	60,000	22.5	▼	Construction Completed	BA/Grease Control	12 Months
2/6/04	4144 OAKLAND DRIVE	KUW	First Creek	2	MH 39-4 & 39-5	Heavy rainfall in the area resulted in high flows in the collection system.	12,000	20	✓	Construction Completed	BA	12 Months
3/6/04	436 MARYVILLE PIKE	KUW	South Knoxville	39	MH 30	Heavy rainfall in the area resulted in high flows in the collection system.	1920	4	√	Construction Completed	BA	12 Months
3/6/04	2907 GINNBROOKE LANE	KUW	Knob Creek	47	Wetwell	Pumpstation failure-Electronic/The electronic controls that actuate the pumps malfunctioned.	2250	0.75		Construction Completed	Repair Completed	N/A
3/10/04	4144 OAKLAND DRIVE	KUW	First Creek	2	MH 39-4	Heavy rainfall in the area resulted in high flows in the collection system.	450	4	✓	Construction Completed	BA	12 Months
5/22/04 6/25/04	1215 ROCKY HILL ROAD 436 MARYVILLE PIKE	FC KUW	Fourth Creek South Knoxville	36 39	MH 55 MH 29-2 & 30	The sewer main was flushed to remove the blockage caused by grease and roots. Heavy rainfall in the area resulted in high flows in the collection system.	120 867	1 4	√	N/A Construction Completed	BA/Grease Control BA	12 Months 12 Months
11/24/04	436 MARYVILLE PIKE	KUW	South Knoxville	39	MH 29-2 & 30	Heavy rainfall in the area resulted in high flows in the collection system.	7200	6	· ✓	Construction Completed	BA	12 Months
11/24/04	4811 BEVERLY RD	KUW	First Creek	2	MH 39-44 & 39-4	Heavy rainfall in the area resulted in high flows in the collection system.	9360	8	√	Construction Completed	BA	12 Months
11/30/04	4144 OAKLAND DRIVE	KUW	First Creek	2	MH 39-4	Heavy rainfall in the area resulted in high flows in the collection system.	1080	3	√	Construction Completed	BA	12 Months
12/1/04	436 MARYVILLE PIKE 436 MARYVILLE PIKE	KUW	South Knoxville	39 39	MH 30 MH 30	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	540 65	2	√	Construction Completed Construction Completed	BA BA	12 Months 12 Months
12/7/04	4144 OAKLAND DRIVE	KUW	South Knoxville First Creek	2	MH 39-4 & 39-44	Heavy rainfall in the area resulted in high flows in the collection system.	2000	2.75	· ·	Construction Completed	BA BA	12 Months
12/9/04	436 MARYVILLE PIKE	KUW	South Knoxville	39	MH 29-2 & 30	Heavy rainfall in the area resulted in high flows in the collection system.	636,990	24	✓	Construction Completed	BA	12 Months
12/11/04	2509 BROADWAY	KUW	First Creek	17	MH 4-71	The sewer main was flushed to remove the blockage caused by grease and roots.	5220	29		N/A	BA/Grease Control	6 Months
12/11/04	4144 OAKLAND DRIVE	KUW	First Creek	2	MH 39-4, 39-44 & 39-45	Heavy rainfall in the area resulted in high flows in the collection system.	60	1	√	Construction Completed	BA	12 Months
2/21/05 3/28/05	436 MARYVILLE PIKE 436 MARYVILLE PIKE	KUW	South Knoxville South Knoxville	39 39	MH 30 MH 30	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	5040 32	21	· · · · · · · · · · · · · · · · · · ·	Construction Completed Construction Completed	BA BA	12 Months 12 Months
4/2/05	436 MARYVILLE PIKE	KUW	South Knoxville	39	MH 30	Heavy rainfall in the area resulted in high flows in the collection system.	225	4	√	Construction Completed	BA	12 Months
5/20/05	436 MARYVILLE PIKE	KUW	South Knoxville	39	MH 29-2	Heavy rainfall in the area resulted in high flows in the collection system.	480	2	√	Construction Completed	BA	12 Months
7/7/05	436 MARYVILLE PIKE	KUW	South Knoxville	39	MHs 29-2 & 30	Heavy rainfall in the area resulted in high flows in the collection system.	12,240	2	✓	Construction Completed	BA	12 Months
1/2/06	5315 BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump	The residential grinder pump was replaced after the mechanical failure of the pump.	10	2		N/A	Repair Completed	N/A
1/17/06	436 MARYVILLE PIKE		South Knoxville		MH 29-2	Heavy rainfall in the area resulted in high flows in the collection system.	3600	4.75	✓	Construction Completed	BA	12 Months
3/12/06	2907 GINNBROOKE LANE 436 MARYVILLE PIKE	KUW	Knob Creek	47	Wetwell	There was a total loss of electrical service to the station due to squirrels.	180	1	√	Construction Completed Construction Completed	N/A BA	N/A
4/8/06 4/22/06	436 MARYVILLE PIKE		South Knoxville South Knoxville		MH 29-2 MHs 29-2 & 30	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	360 26600	6	∨ ✓	Construction Completed Construction Completed	BA BA	12 Months 12 Months
						Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows				,		
9/23/06	436 MARYVILLE PIKE	KUW	South Knoxville	39	MHS 29-2 & 30	in the sewer mains.	71904	16	✓	Construction Completed	BA	12 Months
9/24/06	2907 GINNBROOKE LANE	ĸuw	Knob Creek	47	Wetwell	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	2250	0.75	√	Construction Completed	N/A	N/A
8/22/07	2701 WILSON AVENUE	KUW	Williams Creek	19	MH 8	The sewer main was flushed to remove the blockage caused by grease.	540	6	-	N/A	B A / Grease Control	12 Months
10/6/07	120 MORRELL ROAD	FC	Fourth Creek		MH 53-8	The sewer main was flushed to remove the blockage caused by grease.	360	1		N/A	B A / Grease Control	6 Months
10/19/07 10/27/07	1338 OGLESBY ROAD 1338 OGLESBY ROAD	LC LC	Loves Creek Loves Creek	66 66	Leaking Force Main Leaking Force Main	There was a leak on a 8" force main. There was a leak on a 8" force main.	1,800 1,125	3	√	Construction Completed Construction Completed	N/A N/A	N/A N/A
12/28/07	4315 RUTLEDGE PIKE	LC	Loves Creek	20	Grinder Pump Failure	The commercial grinder pump station was repaired.	8	1		N/A	Repair Completed	N/A
12/29/07	1338 OGLESBY ROAD	LC	Loves Creek	66	Leaking Force Main	There was a leak on a 8" force main.	32,400	3	✓	Construction Completed	N/A	N/A
1/5/08	2513 SABLE POINT LANE	LC	Loves Creek	105	MH 48-3	A contractor did not removed a sewer plug during a construction project. The sewer main was manually-cleaned and flushed to remove the blockage caused by heavy	39,000	72		N/A	Repair Completed	N/A
1/7/08	1530 LOUISIANA AVENUE	KUW	Third Creek	22	Abandoned Lateral	debris.	6,800	4		N/A	BA	12 Months
1/8/08	7912 LIVINGSTON DRIVE	FC	Fourth Creek	42	MH 28-1	The sewer main was flushed to remove the blockage caused by roots and debris.	120	1		N/A	BA	6 Months
1/22/08	624 SOUTHBROOK DRIVE	KUW	Knob Creek	41	Lateral Cleanout	Evidence indicates that the SSO occurred during the air test of a new main by a rehabilitation contractor.	249	1		N/A	Repair Completed	N/A
1/28/08	501 NOELTON DRIVE	KUW	Third Creek	38	MH 50-7	The sewer main was flushed to remove the blockage caused by grease and debris.	180	1		N/A	Repair Completed	N/A
1/29/08	509 TREHAVEN DRIVE	KUW	Second Creek		MH 24-48	The sewer main was flushed to remove the blockage caused by roots and grease.	55	1		N/A	BA/Grease Control	6 Months
1/30/08 2/5/08	2101 LAUREL AVENUE 1338 OGLESBY ROAD	KUW LC	Third Creek Loves Creek	35B 66	MH 23-17 Leaking Force Main	The sewer main was flushed to remove the blockage caused by rags and debris. The force main was repaired.	180 560	0.5	√	Construction Completed Construction Completed	N/A Repair Completed	N/A N/A
2/6/08	200 AVENUE C		South Knoxville		MH 40-27 & BBU	The sewer main was flushed to remove the blockage caused by grease.	480	2	<u>, </u>	N/A	BA/Grease Control	6 Months
2/13/08	4315 RUTLEDGE PIKE	LC	Loves Creek	20	Wetwell	The electrical breaker on the commercial grinder pump station was turned back on.	100	Unknown		N/A	Repair Completed	N/A
2/17/08	206 CREEK STONE LANE	EB	Eastbridge	72	Service Connection	The service connection on the low-pressure force main was repaired.	180	6		N/A	Repair Completed	N/A

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Date Str	reet # 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
	1463 E WEISGARBER ROAD	FIGIL		27		The sewer main joint was repaired.	((Hours)	umes within 12 months	N/A	Repair Completed	N/A
2/18/08			Fourth Creek		Leaking Pipe Joint		10			N/A	BA/Grease Control	6 Months
	5364 N BROADWAY 1105 PARK HILL CIRCLE	KUW	First Creek	3 27	MH 10-4 MH 49-87	The sewer main was flushed to remove the blockage caused by grease and debris. The sewer main was flushed to remove the blockage caused by grease.	5 145	0.5		N/A N/A	BA/Grease Control	6 Months
2/21/08	1105 PARK HILL CIRCLE	FC	Fourth Creek	21	MH 49-87	0 70	145	2		IN/A	BA/Grease Control	6 IVIOTILIS
2/21/09	4257 SKYLINE DRIVE	LC	Lavos Crook	20	MH 47-15	The sewer main was physically cleaned and flushed to remove the blockage caused by debris and due to vandalism.	5	0.5		N/A	Repair Completed	N/A
			Loves Creek	37		The mechanical failure of the residential grinder pump was repaired.	5			N/A	Repair Completed Repair Completed	N/A
	1720 POLKWRIGHT LANE 2108 BELCARO DRIVE	FC KUW	Fourth Creek First Creek	4	Wetwell MH 18-117	The nechanical failule of the residential grinder pump was repaired. The sewer main was flushed to remove the blockage caused by debris.	1	0.08		N/A N/A	BA	6 Months
							100			N/A N/A	Repair Completed	N/A
	4623 WEBB LANE	KUW	Third Creek	21	Lateral Cleanout	The sewer lateral was flushed to remove the blockage caused by debris.	180	1		N/A N/A	' '	
	5601 CEDAR HEIGHTS ROAD	KUW	Second Creek	5	MH 35-22	The sewer main was flushed to remove the blockage caused by debris.	360	1			BA Danair Campleted	6 Months
	3706 ROBERTS ROAD	EB	Eastbridge	113	Leaking Force Main	The force main was repaired.	810	2		N/A	Repair Completed	N/A
	1801 E FIFTH AVENUE	KUW	First Creek	24	Leaking Pipe	The leaking pipe was repaired.	Unknown	Unknown		N/A	Repair Completed	N/A
	5315 BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump	The electrical breaker on the residential grinder pump station was turned back on.	50	4		N/A	Repair Completed	N/A
	2201 LAKE AVENUE	KUW	Third Creek	35B	MH 27-14	The sewer main was flushed to remove the blockage caused by grease.	110	1		N/A	BA/Grease Control	12 Months
	3913 ROBERTS ROAD	EB	Eastbridge	113	Leaking Force Main	The force main was repaired.	783	0.05		N/A	Repair Completed	N/A
	1713 DONNINGHAM DRIVE	KUW	First Creek		MH 22-211	The sewer main was flushed to remove the blockage caused by roots.	35 47	2		N/A	BA Barraia Garrailata d	6 Months
	5300 AZINGER LANE 2113 MARTHA BERRY DRIVE	KUW	Eastbridge First Creek	109	Broken Force Main MH 18-116	The force main was repaired.	230	1		N/A N/A	Repair Completed	N/A 6 Months
	2907 GINNBROOKE LANE	KUW	Knob Creek	47	Wetwell	The sewer main was flushed to remove the blockage caused by roots. Electrical power was restored after an outage caused by a strong storm.	1,000	0.33		Construction Completed	BA N/A	N/A
	5700 MELSTONE DRIVE	KUW	Third Creek	9	3 Lateral Cleanouts	A contractor-owned sewer plug was removed from the sewer main.	150	0.33		N/A	Repair Completed	N/A
	4107 ROBERTS ROAD	EB	Eastbridge	113	Residential Grinder Pump	There was a mechanical failure of the residential grinder pump.	6	1		N/A	Repair Completed	N/A
6/18/08	1721 IROQUOIS STREET	KUW	Williams Creek	25	Leaking Pipe	There was a mechanical failure of the residential grinder pump. There was a leak in the sewer main.	5	1		N/A N/A	7: -: -: -: -	N/A N/A
	4410 BUFFAT MILL ROAD	LC	Loves Creek	6	MH 29-289	The sewer main was flushed to remove the blockage caused by roots.	216	3		N/A N/A	Repair Completed BA	6 Months
		KUW	Third Creek	50	MH 12-7	The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by grease and debris.	748	4		N/A N/A	BA BA	12 Months
7710/00	2904 MODINI I ELASANI NOAD	KOVV	Tillia Cieek	30	IVII 1 12-7	Debris from a rehabilitation contractor caused a partial blockage. The sewer main was cleared and		-		1071		12 Worlding
7/20/08	5900 NEUBERT SPRINGS ROAD	KI IVA/	Knob Creek	41	Lateral Cleanout	cleaned.	360	1		Future Construction Planned	N/A	N/A
	6410 S RUGGLES FERRY PIKE	LC	Loves Creek	62	MH 3	Power failure at the pump station caused by storm damage to the power lines.	300	1	·	N/A	Repair Completed	N/A
	1019 OGLESBY ROAD	LC	Loves Creek	66	Leaking Force Main	The contractor was removing a temporary force main and allowed leakage to occur.	38	2		N/A	Repair Completed	N/A
	7217 WASHINGTON PIKE	EB	Eastbridge	109	Residential Grinder Pump	There was an electrical failure of the residential grinder pump.	14	3		N/A	Repair Completed	N/A
	5309 ROBERTS ROAD	EB	Eastbridge	113	Leaking Force Main	There was a dig-in on the force main during the installation of an electrical power pole.	5.030	2		N/A	Repair Completed	N/A
9/6/08	301 E CHURCH AVENUE	KUW	First Creek	30	MH 10-11	The sewer main was flushed to remove the blockage caused by debris.	1.438	8		N/A	BA	12 Months
0.0.00						The event was related to a partial failure of the pump-around process during a sewer replacement	1,100			1		
9/8/08	401 MARYVILLE PIKE	KUW	South Knoxville	39	MHs 27-1, 27-2 & Leaking Pipe	project.	1,570	12		Construction Completed	Repair Completed	N/A
	5371 BENT RIVER BOULEVARD		Fourth Creek	43	Residential Grinder Pump	There was an electrical failure of the residential grinder pump.	120	4		N/A	Repair Completed	N/A
	5323 BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump	There was a mechanical failure of an improperly-installed residential grinder pump.	150	4		N/A	Repair Completed	N/A
9/30/08	5915 CASEY DRIVE	FC	Fourth Creek	27	MH 22-8	The sewer main was flushed to remove the blockage caused by grease and roots.	375	0.25		N/A	BA/Grease Control	6 Months
	1211 ROCKY HILL ROAD	FC	Fourth Creek	36	MH 55	The sewer main was flushed to remove the blockage caused by grease and roots.	217	1		N/A	BA/Grease Control	6 Months
10/22/08	401 MARYVILLE PIKE	KUW	South Knoxville	39	MH 27-2	The bypass pump was damaged and parts were removed overnight due to vandalism.	100,000	8		Construction Completed	Repair Completed	N/A
10/22/08	1224 MORRELL ROAD	FC	Fourth Creek	36	MH 56	The sewer main was flushed to remove the blockage caused by debris and pipe sags.	60	1.25		N/A	BA	6 Months
										1		
10/24/08	405 MERCHANTS DRIVE	KUW	Second Creek	5	Leaking Joint	The sewer main was flushed to remove the blockage caused by grease during a rainfall event.	280	1		N/A	BA	6 Months
										1		1
10/29/08	4801 WILKSHIRE DRIVE	KUW	Third Creek	12	Cleanout	The sewer main was repaired and flushed to remove the blockage caused by a broken pipe.	1,500	3		N/A	Repair Completed	N/A
11/4/08	3413 PILKAY ROAD	KUW	Third Creek	28	MH 8-1	The sewer main was flushed to remove the blockage caused by grease and debris.	5,320	1		Construction Completed	N/A	N/A
11/5/08	1036 E EMERALD AVENUE	KUW	First Creek	17	MH 4-71	The sewer main was flushed to remove the blockage caused by roots and debris.	120	1	✓	N/A	Repair Completed	N/A
11/9/08	120 MORRELL ROAD	FC	Fourth Creek	33	MH 53-8	The sewer main was flushed to remove the blockage caused by grease.	240	1		N/A	BA/Grease Control	6 Months
11/9/08	1036 E EMERALD AVENUE	KUW	First Creek	17	MH 4-71	The sewer main was flushed to remove the blockage caused by roots and debris.	120	1	✓	N/A	Repair Completed	N/A
11/19/08	3600 KENILWORTH LANE	LC	Loves Creek	6	BBU and Service Lateral	A private contractor installing a gas main bored through the service lateral.	19	1		N/A	Repair Completed	N/A
	3706 ROBERTS ROAD	EB	Eastbridge	113	Leaking LP Lateral	An exposed section of service lateral burst upon freezing and was repaired.	7	0.017		N/A	Repair Completed	N/A
	8111 WASHINGTON PIKE	EB	Eastbridge	111	Leaking LP Lateral	There was a leak on the low-pressure service lateral.	90	5		N/A	Repair Completed	N/A
12/3/08	1708 NUMBER TWO DRIVE	EB	Eastbridge	115	Leaking ARV	There was a leak from a air release valve on a force main.	423	4		N/A	Repair Completed	N/A
12/7/08	4209 LAMOUR DRIVE	KUW	Third Creek	28	MH 16-161	The sewer main was flushed to remove the blockage caused by roots.	30	2		N/A	BA	6 Months
12/8/08	1902 HIGHLAND DRIVE	KUW	First Creek	7	MH 17-32	The sewer main was flushed to remove the blockage caused by roots.	1,025	10		N/A	BA	6 Months
12/9/08	2007 RIDGECREST DRIVE	KUW	First Creek	4	MH 18-126	The sewer main was flushed to remove the blockage caused by roots.	561	5		N/A	BA	6 Months
				1								
12/10/08	615 SEVIER AVENUE	KUW	South Knoxville	40	MH 1-43 & BBU	The sewer main was flushed to remove the blockage caused by debris during heavy rainfall.	615	3		Construction Completed	BA/Grease Control	3 Months
					MH 39-4	Heavy rainfall in the area resulted in high flows in the collection system.	150	2	✓	Construction Completed	N/A	N/A
12/11/08	4144 OAKLAND DRIVE	KUW	First Creek	2								
12/11/08 12/13/08	8112 AINSWORTH DRIVE	FC	First Creek Fourth Creek Fourth Creek	32B	MH 4-46 MH 12-62	The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by debris.	2,160 360	12	,	N/A N/A	BA BA	6 Months 6 Months

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SSOs to be deleted

Date	Street # Street	Plant	Watershed	Basin	Backup Location	Event included	Cause of Backup/KUB Response	Volume	Duration (Hours)	Event Occurred two or more times	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
3/18/02	5816 HOLSTON HILLS RD	LC	Loves Creek	26	Building Backup	in SSOER	Blockage - Debris. The sewer main was flushed & area was cleaned.	N/A	N/A	within 12 months	N/A	BA	12 Months
11/8/06	1317 LOUISIANA AVENUE	KUW	Second Creek	15	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	200	1.5		N/A	Repair Completed	N/A
8/2/07 10/08/08	4213 WALROCK LANE 2800 FAIRVIEW STREET	KUW	Third Creek First Creek	12 16	Building Backup Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	540 200	1.66		N/A N/A	B A BA/Grease Control	12 Months 6 Months
12/10/08	5816 HOLSTON HILLS ROAD	LC	Loves Creek	26	Building Backup		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	50	1		N/A	Repair Completed	N/A
01/06/09 01/06/09	5230 MCNUTT ROAD 1033 KEOWEE AVENUE	KUW	Knob Creek Third Creek	41 38	Building Backup Building Backup		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Unknown. The sewer main was flushed & area was cleaned.	11 1000	0.25 0.5		Future Construction Planned N/A	N/A BA	N/A 6 Months
02/01/09	4413 DEERFIELD ROAD	KUW	Third Creek	11	Building Backup		Blockage - Children: 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 0.02		N/A N/A	BA/Grease Control BA/Grease Control	1 Month
03/17/09 4/13/09	2860 LINDEN AVENUE 1848 FRATERNITY PARK DRIVE	KUW	Williams Creek Third Creek	19 35B	Building Backup Patio and Building Backup	√	Blockage - Debris. The sewer main was flushed & area was cleaned. The capacity of the sewer main was exceeded when a swimming pool was drained.	650	2.25		N/A N/A	Repair Completed	3 Months 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 LAKESHORE 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 N/A	BA/Grease Control	6 Months
05/27/09 05/28/09	8714 STRAWBERRY PLAINS PIKE 2536 NICHOLS AVENUE	EB KUW	Eastbridge Williams Creek	72 19	Building Backup Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	2 15	0.016 0.33		N/A N/A	BA/Grease Control BA/Grease Control	6 Months 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 07/15/09	4900 ADA LANE 2709 SPRING HILL ROAD	KUW LC	First Creek Loves Creek	2	Building Backup Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned. Construction Failure - Dig-in. The lateral was repaired & the area was cleaned.	98 20	0.5 6		N/A N/A	N/A 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 09/26/09	2725 E GOVERNOR JOHN SEVIER H 2637 W. BLOUNT AVENUE		Loves Creek South Knoxville	60 39	Building Backup Building Backup		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	50 1000	1 2		Construction Completed Construction Completed	N/A N/A	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 10/21/09	3605 GARDEN DRIVE 1300 TEXAS AVENUE	KUW	First Creek Second Creek	3 15	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	5 5	0.25 0.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
01/24/10	1109 BIDDLE STREET	KUW	Williams Creek	25	Building Backup Lateral Cleanout and Building Backup	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	1000	0.5		N/A N/A	BA	6 Months
02/03/10	5401 GREENCREST ROAD	KUW	First Creek	1	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	15	1		N/A	BA	6 Months
02/26/10 02/26/10	1127 MAGNET PLACE 4337 FOUNTAIN DRIVE	KUW	Williams Creek Third Creek	31 13	Building Backup Building Backup		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Construction Failure - Sewer Main Flushing. The area was cleaned.	33	0.02		N/A N/A	BA/Grease Control N/A	6 Months N/A
03/29/10	319 ECHODALE LANE			41	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	5	0.5		NA NA	Repair Completed	NA NA
03/30/10	2924 SUTHERLAND AVENUE	KUW		28	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	15	0.05		N/A	N/A	N/A
04/05/10 04/09/10	2920 SUTHERLAND AVENUE 8630 ASHEVILLE HIGHWAY	KUW EB	Third Creek Eastbridge	28 72	Building Backup Private Property and Building Backup	√	Construction Failure - Sewer Main Flushing. The area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	950	0.02 15		N/A N/A	N/A BA	N/A 12 Months
05/03/10	1709 FAIRMONT BOULEVARD	KUW	First Creek	16	Building Backup		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 South Knoxville	26 41	MH 104-4 and Building Backup	✓	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	940	1.5		N/A	Repair Completed / BA	12 Months
05/03/10 05/17/10	6421 SHETLAND DRIVE 223 BERNARD AVENUE	KUW	Second Creek	23	Building Backup Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10 20	4		NA N/A	Repair Completed Repair Completed	NA N/A
05/24/10	1316 CASSELL DRIVE	KUW	Second Creek	10	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	1.5	0.017		N/A	N/A	N/A
07/16/10 07/22/10	1700 CLINCH AVENUE 1317 LOUISIANA AVENUE	KUW	Second Creek	35a 15	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	500 500	3		N/A N/A	Repair Completed	N/A 6 Months
11/07/10	1808 BRADSHAW GARDEN ROAD	KUW	Second Creek Third Creek	13	Building Backup Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	5	1		N/A N/A	BA BA	6 Month
11/09/10	735 REED STREET	KUW	Third Creek	22	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	50	2.25		N/A	BA	6 Month
12/06/10 02/02/11	541 WOODLAWN PIKE 2101 EDGEWOOD AVENUE	KUW	South Knox First Creek	40 16	Building Backup Building Backup		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Construction Failure - Sewer Main Flushing. The area was cleaned.	500 50	5 0.25		NA N/A	Repair Completed Repair Completed	N/A N/A
02/07/11	800 TYSON STREET	KUW	Second Creek	23	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	1100	Unknown		N/A	Repair Completed	N/A
02/28/11	445 BLOUNT AVENUE			39	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	Unknowr		✓	Construction Completed	N/A	N/A
02/28/11 02/28/11	1912 PARIS ROAD 143 SOUTH VAN GILDER STREET	KUW	Third Creek First Creek	13 24	Building Backup Building Backup		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	30 5	0.5 0.5		Construction Completed Construction Completed	N/A N/A	N/A N/A
02/28/11	3218 & 3220 AVONDALE AVENUE	KUW	First Creek	8	MH 22-33, Broken Lateral, and Building Backup	✓	Blockage - Grease. The sewer main was flushed & area was cleaned.	1500	3		N/A	BA/Grease Control	12 Months
03/02/11 03/04/11	2800 FAIRVIEW STREET 2111 & 2115 EDGEWOOD AVENUE	KUW	First Creek First Creek	16 16	Building Backup Building Backup		Construction Failure - Bypass pumping failure. The area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	40 1100	1	√	N/A Construction Completed	Repaired Completed N/A	N/A N/A
03/04/11	4317 HIAWATHA DRIVE	KUW	Third Creek	38	Building Backup		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 205 WEST BAXTER AVENUE	FC KUW	Fourth Creek Second Creek	33 23	Building Backup Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned. Construction Failure - Bypass pumping failure. The area was cleaned.	200	1.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
04/07/11	3526 BUFFAT MILL ROAD	KUW	First Creek	18	MH 65-19 and Building Backup	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	300	4		N/A	BA	12 Months
04/30/11	445 BLOUNT AVENUE	KUW KUW	South Knoxville	39	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	10	0.5	✓	Construction Completed	N/A N/A	N/A N/A
06/24/11 06/24/11	2111 EDGEWOOD AVENUE 3619 ESSARY DRIVE	KUW		1	Building Backup Building Backup		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	200 1550	1.5	•	Construction Completed Future Construction Planned	N/A	N/A
06/24/11	2300 GREENFIELD LANE	KUW	First Creek	18	Building Backup		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 08/25/11	719 E LAKE FOREST DRIVE 4209 CHINKAPIN LANE	KUW	Knob Creek Third Creek	<u>41</u> 11	Building Backup Building Backup		Construction Failure - Bypass pumping failure. The area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	225 100	0.083		N/A N/A	Repair Completed BA/Grease Control	N/A 12 Months
09/01/11	6235 RUTLEDGE PIKE	LC	Loves Creek	105	Grinder Pump and Building Backup	✓	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		2	Residential Grinder Pump and Building Backup	✓	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	30 310	2 4		N/A N/A	Repair Completed	N/A
12/22/11 12/24/11	5733 WILKERSON ROAD 5347 BENT RIVER BOULEVARD	FC	Third Creek Fourth Creek	43	Building Backup Residential Grinder Pump and Building Backup	✓	Blockage - Debris. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A N/A	BA Repair Completed	12 Months N/A
12/29/11	4525 OLD KINGSTON PIKE	KUW	Third Creek	34	Building Backup		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 3/7/2012	310 KENSI DRIVE 312 NINETEENTH STREET	KUW		10 29	Lateral Cleanout and Building Backup Floor Drain and Building Backup	√	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	325 35	0.75		N/A N/A	BA BA	6 Month 9 Month
4/3/2012	3819 GLENFIELD DRIVE	KUW	Third Creek	38	Building Backup		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	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	5	0.5		N/A	Repair Completed	N/A
6/9/2012 8/17/2012	5034 ROWAN ROAD 524 BEN HUR AVENUE	KUW	Second Creek Williams Creek	<u>5</u> 25	Building Backup Broken Lateral and Building Backup	√	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	10 60	0.5		N/A N/A	BA BA	12 Month 6 Month
9/18/2012	702 E INSKIP ROAD	KUW	First Creek	7	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	30	1		N/A	Repair Completed	N/A
9/18/2012 9/19/2012	4824 HORSESTALL DRIVE 5219 BENT RIVER BOULEVARD	KUW FC	First Creek Fourth Creek	2 43	Building Backup Residential Grinder Pump and Building Backup	√	Heavy rainfall in the area resulted in high flows in the collection system. Grinder Pump Failure. Pump was repaired & the area was cleaned.	10 103	1	√	N/A Construction Completed	Repair Completed N/A	N/A N/A
9/25/2012	5219 BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump and Building Backup Residential Grinder Pump and Building Backup	√	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	25		√	Construction Completed	N/A N/A	N/A N/A
10/16/0040	FLANDERS LANE - APARTMEN		Fourth Ores	42	Duilding Dealing		Construction Failure Unconnected Lateral The Internal way are sized 9 the areas of the same of the s	40	4		NI/A	Donois Commisted	B1/A
10/16/2012 11/8/2012	1001 101, 102, & 103 5219 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	42	Building Backup Residential Grinder Pump and Building Backup	✓	Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	10 4	1 1	✓	N/A Construction Completed	Repair Completed N/A	N/A N/A
12/2/2012	6220 WESTERN AVENUE	KUW	Third Creek	11	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	1	0.5		N/A	BA	9 Month
12/3/2012 12/3/2012	3839 DEBONAIR DRIVE 3843 DEBONAIR DRIVE	KUW	Third Creek Third Creek	9 9	Building Backup Building Backup		Broken System - Protruding Lateral. Lateral was trimmed & the area was cleaned. Broken System - Protruding Lateral. Lateral was trimmed & the area was cleaned.	15 10	1		N/A N/A	Repair Completed Repair Completed	N/A N/A
12/17/2012	2423 CECIL AVENUE	KUW	First Creek	18	Building Backup		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	Building Backup MH 10-27, Lateral Cleanout @ 222 Radford Place and		Blockage - Roots. The sewer main was flushed & area was cleaned.	20	0.5		N/A	BA	6 Month
12/20/2012	3006 CORAM STREET	KUW	Second Creek	14	Building Backup	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,550	2		N/A	BA	6 Month
								_					

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	Building Backup		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 07/13/09	5401 GREENCREST ROAD 4900 ADA LANE	KUW First Creek 1 KUW First Creek 2	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	15	1 0.5		N/A N/A	BA N/A	6 Months N/A
9/18/2012	4824 HORSESTALL DRIVE	KUW First Creek 2	Building Backup Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	98 10	0.5 1		N/A	Repair Completed	N/A
12/10/11	5209 MURPHY ROAD	KUW First Creek 2	Residential Grinder Pump and Building Backup	✓	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	30	2		N/A	Repair Completed	N/A
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
6/9/2012	5034 ROWAN ROAD	KUW Second Creek 5	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.5		N/A	BA	12 Month
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
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
9/18/2012 05/24/09	702 E INSKIP ROAD 4304 GLASGOW ROAD	KUW First Creek 7 KUW First Creek 7	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	30	2.25		N/A N/A	Repair Completed	N/A 6 Months
	3218 & 3220 AVONDALE AVENUE	KUW First Creek 8	Building Backup MH 22-33, Broken Lateral, and Building Backup	_	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	100 1500	2.25		N/A N/A	BA/Grease Control BA/Grease Control	12 Months
12/3/2012	3839 DEBONAIR DRIVE	KUW Third Creek 9	Building Backup		Blockage - Grease. The sewer main was flushed & area was cleaned. 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	Building Backup		Broken System - Protruding Lateral. Lateral was trimmed & the area was cleaned.	10	1		N/A	Repair Completed	N/A
12/22/11	5733 WILKERSON ROAD	KUW Third Creek 9	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	310	4		N/A	BA	12 Months
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
05/24/10	1316 CASSELL DRIVE	KUW Second Creek 10	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	1.5	0.017		N/A	N/A	N/A
1/25/2012	310 KENSI DRIVE	KUW Second Creek 10	Lateral Cleanout and Building Backup	✓	Blockage - Debris. The sewer main was flushed & area was cleaned.	325	2		N/A	BA Constant	6 Month
08/25/11 02/01/09	4209 CHINKAPIN LANE 4413 DEERFIELD ROAD	KUW Third Creek 11 KUW Third Creek 11	Building Backup		Blockage - Grease. The sewer main was flushed & area was cleaned.	100	1		N/A Construction Completed	BA/Grease Control N/A	12 Months N/A
12/2/2012	6220 WESTERN AVENUE	KUW Third Creek 11	Building Backup Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	1	0.5		N/A	BA	9 Month
12/18/2012	6412 WESTERN AVENUE	KUW Third Creek 11	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	20	0.5		N/A	BA	6 Month
	1726 & 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
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
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
11/07/10	1808 BRADSHAW GARDEN ROAD	KUW Third Creek 13	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	5	1 0.00	+	N/A	BA N/A	6 Month
02/26/10 02/28/11	4337 FOUNTAIN DRIVE 1912 PARIS ROAD	KUW Third Creek 13 KUW Third Creek 13	Building Backup Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	30	0.02 0.5		N/A Construction Completed	N/A N/A	N/A N/A
12/20/2012	3006 CORAM STREET	KUW Second Creek 13		✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,550	2	1	N/A	N/A BA	6 Month
11/8/06	1317 LOUISIANA AVENUE	KUW Second Creek 15	Building Backup		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	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	500	3		N/A	BA	6 Months
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
02/02/11	2101 EDGEWOOD AVENUE	KUW First Creek 16	Building Backup		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	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	200	1	√	Construction Completed	N/A	N/A
	2111 & 2115 EDGEWOOD AVENUE	KUW First Creek 16 KUW First Creek 16	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	1100	1 4	✓	Construction Completed	N/A BA	N/A
05/03/10 10/08/08	1709 FAIRMONT BOULEVARD 2800 FAIRVIEW STREET	KUW First Creek 16 KUW First Creek 16	Building Backup Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	300 200	1		N/A N/A	BA/Grease Control	6 Months 6 Months
03/02/11	2800 FAIRVIEW STREET	KUW First Creek 16	Building Backup		Construction Failure - Bypass pumping failure. The area was cleaned.	40	1		N/A	Repaired Completed	N/A
04/07/11	3526 BUFFAT MILL ROAD	KUW First Creek 18	MH 65-19 and Building Backup	✓	Blockage - Roots. The sewer main was flushed & area was cleaned.	300	4		N/A	BA	12 Months
12/17/2012	2423 CECIL AVENUE	KUW First Creek 18	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	3	0.25		N/A	Repair Completed	N/A
06/24/11	2300 GREENFIELD LANE	KUW First Creek 18	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	50	1		Future Construction Planned	N/A	N/A
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
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
11/09/10	735 REED STREET	KUW Third Creek 22	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	50	2.25		N/A	BA	6 Month
05/17/10	223 BERNARD AVENUE	KUW Second Creek 23	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	20	4		N/A	Repair Completed	N/A
02/07/11 03/24/11	800 TYSON STREET 205 WEST BAXTER AVENUE	KUW Second Creek 23 KUW Second Creek 23	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	1100	Unknown		N/A N/A	Repair Completed	N/A N/A
4/20/2012	616 LUTTRELL STREET	KUW First Creek 24	Building Backup Building Backup		Construction Failure - Bypass pumping failure. The area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	200 5	0.5		N/A N/A	Repair Completed Repair Completed	N/A
02/28/11	143 SOUTH VAN GILDER STREET	KUW First Creek 24	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	5	0.5		Construction Completed	N/A	N/A
8/17/2012	524 BEN HUR AVENUE	KUW Williams Creek 25	Broken Lateral and Building Backup	1	Blockage - Debris. The sewer main was flushed & area was cleaned.	60	2		N/A	BA	6 Month
01/24/10	1109 BIDDLE STREET	KUW Williams Creek 25	Lateral Cleanout and Building Backup	✓	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	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	N/A	N/A		N/A	BA	12 Months
12/10/08	5816 HOLSTON HILLS ROAD	LC Loves Creek 26	Building Backup		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	MH 104-4 and Building Backup	✓	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	940	1.5		N/A	Repair Completed / BA	12 Months
04/05/10 03/30/10	2920 SUTHERLAND AVENUE 2924 SUTHERLAND AVENUE	KUW Third Creek 28 KUW Third Creek 28	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	1 1 5	0.02		N/A N/A	N/A N/A	N/A N/A
3/7/2012	312 NINETEENTH STREET	KUW Third Creek 29	Building Backup Floor Drain and Building Backup	✓	Construction Failure - Sewer Main Flushing. The area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	15 35	0.05 0.75		N/A	BA	9 Month
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
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.		Intermittent over several weeks	3	N/A	Repair Completed	N/A
02/26/10	1127 MAGNET PLACE	KUW Williams Creek 31	Building Backup		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	Building Backup		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	Building Backup		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50 10	3 0.25		N/A	Repair Completed	N/A
4/3/2012 03/04/11	3819 GLENFIELD DRIVE 4317 HIAWATHA DRIVE	KUW Third Creek 38 KUW Third Creek 38	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	40	1		N/A Construction Completed	Repair Completed	N/A N/A
01/06/09	1033 KEOWEE AVENUE	KUW Third Creek 38	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Unknown. The sewer main was flushed & area was cleaned.	1000	0.5	+	Construction Completed N/A	BA	6 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
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
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
12/06/10	541 WOODLAWN PIKE	KUW South Knox 40			Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	500 225	5		NA NA	Repair Completed	N/A
07/13/11 03/29/10	719 E LAKE FOREST DRIVE 319 ECHODALE LANE	KUW Knob Creek 41 KUW South Knoxville 41			Construction Failure - Bypass pumping failure. The area was cleaned.	225 5	0.083 0.5	+	N/A NA	Repair Completed Repair Completed	N/A NA
05/20/09	5508 LAKESHORE DRIVE	KUW Knob Creek 41			Blockage - Roots. The sewer main was flushed & area was cleaned. Construction Failure - Sewer Main Flushing. The area was cleaned.	1	0.017		N/A	N/A	N/A
01/06/09	5230 MCNUTT ROAD	KUW Knob Creek 41			Heavy rainfall in the area resulted in high flows in the collection system.	11	0.017	1	Future Construction Planned	N/A N/A	N/A
05/03/10	6421 SHETLAND DRIVE	KUW South Knoxville 41	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1		NA NA	Repair Completed	NA
10/16/2012	1001 FLANDERS LANE - APARTMENTS 101, 102, &	103 FC Fourth Creek 42	Building Backup		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	Residential Grinder Pump and Building Backup	V	Grinder Pump Failure. Pump was repaired & the area was cleaned.	103	11	· ·	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 12/24/11	5219 BENT RIVER BOULEVARD	FC Fourth Creek 43		✓ ✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	4	1 1	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A Penair Completed	N/A
09/25/09	5347 BENT RIVER BOULEVARD 3001 GINNBROOKE LANE	FC Fourth Creek 43 KUW South Knoxville 47		•	Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	5 100	120 Intermittently	+	N/A Construction Completed	Repair Completed N/A	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
04/09/10	8630 ASHEVILLE HIGHWAY	EB Eastbridge 72	Private Property and Building Backup	✓	Blockage - Debris. The sewer main was flushed & area was cleaned.	950	15		N/A	BA	12 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
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
			Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	500	4	1	N/A	Repair Completed	N/A
07/16/10 4/13/09	1700 CLINCH AVENUE 1848 FRATERNITY PARK DRIVE	KUW Second Creek 35a KUW Third Creek 35B		1	The capacity of the sewer main was exceeded when a swimming pool was drained.	650	2.25		N/A	Repair Completed	N/A

							Event included in			Duration	Event Occurred two or more times within	Long-Term Capital	Short-Term Controls	ВА
Date	Street #	Street	Plant	Watershed	Basin	Backup Location	SSOER	Cause of Backup/KUB Response	Volume	(Hours)	12 months	Project	Blockage Abatement (BA)	Schedule
								The contractor did not re-establish the service connection after a rehabilitation						
01/25/08	2446	MARTIN L. KING JR. AVE	KUW	Williams Creek	19	Building Backup		project.	450	Unknown		N/A	Repair Completed	N/A
02/04/08	3500	ARGYLE DRIVE	LC	Loves Creek	26	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	2	0.5		N/A	BA	6 Months
								Failure by contractor to reinstate the service connection after sewer						
07/08/08	102	LAKEVIEW DRIVE	KUW	Knob Creek	41	Building Backup		rehabilitation.	94	Unknown		N/A	Repair Completed	N/A
								A plug failure occurred during a post-construction pipe pressure test by the						
08/07/08	2428	LAWSON AVENUE	KUW	First Creek	17	Building Backup		contractor.	3	0.001		N/A	Repair Completed	N/A
								The sewer main was flushed to remove the blockage caused by grease and						
11/01/08	4707	SEMINOLE ROAD	KUW	First Creek	7	Building Backup		roots.	50	1.5		N/A	BA/Grease Control	3 Months
												Future Construction		
11/15/08	3321	GODFREY STREET	KUW	First Creek	16	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	100	5.25		Planned	N/A	N/A
12/22/08	105	SOUTH GAY STREET	KUW	First Creek	30	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	10	0.5		N/A	BA	6 Months

BBUs to be deleted Page 1