2003-2014 Sanitary Sewer Overflow Evaluation Report

Including Building Backups and Trend Analysis

Submitted to EPA on April 29, 2015

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

4-29-15

Date





Executive Summary

2003-2014 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 2003-2014 SSOER is an evaluation of the sanitary sewer overflows (SSOs), including building backups, that occurred between January 2003 and December 2014. 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 2010) 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 "2003-2014 SSOER with Building Backups" spreadsheets still include events that occurred in 2002 unless they were removed for not having a recurrence during the previous three years.

There has been a 95.9 percent decrease in the number of wet-weather SSOs, including building backups, and a 67.3 percent decrease in dry-weather overflows in our collection system compared to 2003 (as shown in Figure 3). This past year, the KUB system experienced the lowest number of total overflows since PACE 10 implementation. Along with that, the number of unpermitted discharges in 2014 was down to 14 compared to 59 the previous year. The decrease in events can be attributed to a significant amount of rehabilitation or replacement (286 miles) of sewer main and the completion of over 263 projects, including six wet-weather storage tanks with 34 million gallons of total storage, all completed since the beginning of PACE 10. The Continuing Sewer System Assessment Program (CSSAP), which is a systematic evaluation of the entire wastewater collection and transmission system, is also ahead of schedule to finish all assessments within one complete cycle period (in 2016). This assessment information continues to help identify and proactively address system needs to prevent SSOs.

The overall trend in SSO occurrence from year to year has also been influenced by rainfall and weather conditions. In fact, the trend in wet-weather overflows since 2009 can be attributed to the increased frequency of rainfall events with rainfall totals and/or intensities that were record setting at times. Continuous wet weather creates saturated ground conditions, which is also known as high antecedent moisture conditions. Antecedent moisture conditions result in more flooding and run off during rainfall events. When this occurs, a significant portion of the rainfall can enter the collection system as inflow and infiltration (I/I) in areas that have not undergone rehabilitation yet, creating the potential for more wet-weather SSOs and building backups. According to the National Weather Service (NWS), the Knoxville area received 41.67 inches of rain in 2014, which is at least eight inches below normal. This lower amount of annual rainfall resulted in fewer overflows than in previous years. However, the months of February and October, when 7 of the 9 wet-weather overflows occurred, experienced above average rainfall amounts and saturated ground conditions increased the possibility for I/I.

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 130 times in 2014, containing over 56 million gallons of wastewater. The storage tanks allow KUB to store excess wastewater to prevent sanitary sewer overflows resulting from peak wet-weather flows, meet requirements related to the Consent Decree (CD), and protect the environment.

There has also been an 88 percent decrease in building backups compared to 2003, which can be attributed to system rehabilitation and Blockage Abatement (BA) efforts.

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

Key to the "2003-2014 SSOER with Building Backups" spreadsheet headings for SSOs

- 1. Date: Date the overflow was discovered by/or reported to KUB.
- 2. Street #: The street number of the location where the overflow occurred.
- 3. Street: The street name where the overflow occurred.
- 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: 'BBU' indicates that a sewer backed up into a building in association with a reportable SSO. Building backups associated with overflows are shown in the building backup spreadsheet.
- **9.** Cause of SSO/KUB Response: Examples of the causes of SSOs are inflow and infiltration (I&I) from rain or flooding, blockages caused by grease buildup, roots, or debris, broken pipe, etc. This column lists immediate actions KUB took in response to the SSO, such as repairing the line, flushing and cleaning the line, etc.
- 10. Volume (Gallons): The estimated gallons of wastewater spilled in the overflow.
- 11. Duration (Hours): The estimated number of hours an overflow lasted.
- **12. Event Occurred Two or More Times Within 12 Months:** Shows SSOs recurring two or more times in a 12-month period.
- **13. Long-Term Capital Project:** Indicates whether the SSO requires long-term resolution, such as a capital improvement project. The five-year construction plan is formally updated on an annual basis and at other times during the fiscal year, as needed, to reflect changing conditions, priorities, and/or needs.
 - Construction Completed
 - Current Construction Underway: Work (engineering design and construction) is under way at the time of this report
 - Future Construction Planned: The need for a capital project has been identified/scheduled for future
 - N/A: One-time SSOs may not require long-term projects.
- 14. Short-Term Controls Blockage Abatement (BA): Short-term resolutions to SSOs and building backups include activities intended to reduce and/or eliminate the cause of the overflow or building backup. These activities include equipment/pipe/manhole repairs, routine pipe cleaning, mechanical root control, grease inspections/enforcement, power restoration, etc. In some cases when an overflow has occurred two or more times in a 12-month period, a long-term corrective action will also be needed in addition to BA.

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

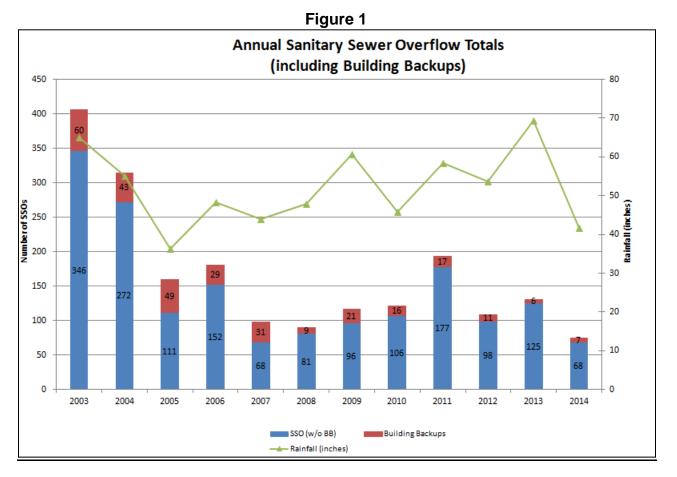
Key to the "2003-2014 SSOER with Building Backups" spreadsheet headings for BBUs

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

2003-2014 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 eleven years. This trend has been largely defined by system improvements, effective maintenance programs, and weather events. In fact, the increased frequency of rainfall events with rainfall totals and/or intensities that are record setting and difficult to manage produced fluctuations in the overall downward trend of SSO occurrence since the start of PACE10. Still, SSO totals remained far below those for 2003-2004 prior to the CD when KUB's service area received lower rainfall amounts.

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

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

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

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

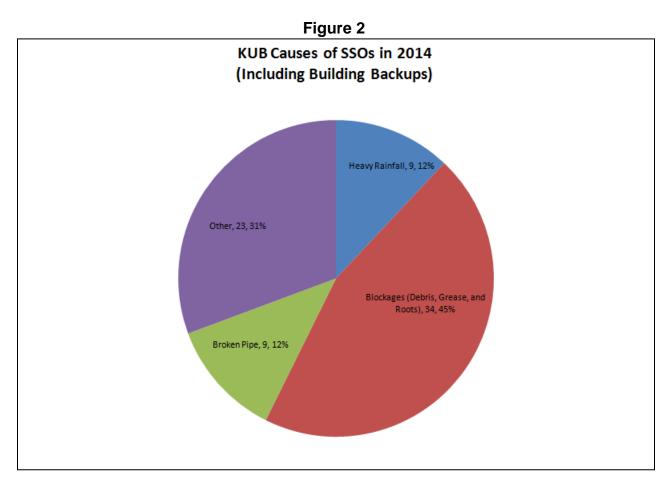
SSOs and building backups decreased to 109 in 2012, with only 21 wet-weather related overflows and 53.64 inches of rain. The NWS reported the Knoxville area received 5.67 inches of rain in January 2012. This occurred after receiving almost 12 inches of rain in the previous two months. With the ground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

Then in 2013, the number of SSOs and building backups increased to 131, 50 of which were wetweather related. The Knoxville area received 69.35 inches of rain, which was 21.49 inches above normal. The NWS precipitation records, collected for Knoxville since 1871, rank 2013 in second place for all time high record amounts of precipitation. The month with the most precipitation was January, registering at 12.67 inches, which is more than eight inches above average for the Knoxville area. The rainfall in January produced 30 wet-weather overflows occurring in January and February. Specifically, on January 13, 2013, the Knoxville area experienced a significant rainfall event that lasted for five continuous days. According to the NWS, the majority of our service area received over eight inches of rain during this five-day period. A total of 19 overflows were timely reported as a result of the precipitation from January 13 to 17. KUB requested this storm event be recognized as a Force Majeure event in a letter to the EPA on February 6, 2013. SSOs and building backups decreased to 75 in 2014. Again, this is the lowest number of overflows to occur since the beginning of PACE 10. As previously mentioned, rainfall amounts in 2014 decreased to 41.67 inches, which is at least eight inches below normal. There were only nine wet-weather overflows in 2014. This is in part due to the below average rainfall the Knoxville area received. However, when comparing 2014 to 2005, which was the last year to receive such low precipitation amounts, there were 30 wet-weather overflows in 2005 relative to 9 in 2014, which amounts to a 70% decrease. This decrease can be attributed to KUB's aggressive system improvements.

As seen in Figure 2, there were 66 dry-weather SSOs including building backups in 2014, which account for 88 percent of total overflows. Compared to 2003, there has been a 67.3 percent decrease in dry-weather SSOs including building backups in our collection system, which can be attributed to a significant amount of rehabilitation or replacement (286 miles) of sewer main and KUB's MOM Programs.

Blockage-related events continue to be the largest cause of dry-weather SSOs. To combat this issue, KUB has an aggressive Blockage Abatement (BA) Program, which is a routine cleaning and inspection program to remove grease, roots, and debris from sewer mains. The BA Program uses increased frequency of cleaning to prevent overflows in areas with previous problems. The footage of mains on BA fluctuates each year as KUB completes scheduled repairs or identifies new areas where more cleaning is needed pending future projects or information obtained during system assessment activities. In 2014, BA crews cleaned 938,931 feet (ft) (178 miles) and televised 143,958 ft (27 miles) of these gravity sewers in our system. KUB had 676,621 ft (128 miles), or 10 percent of its sewer mains, in the BA program in 2014.

As mentioned in the 2014 Annual MOM Progress Report, KUB's Grease Control Program has also stepped up efforts to reduce blockage-related overflow events by increasing inspections of food service facilities and ensuring older equipment is replaced as needed. KUB also promotes the Can the Grease program to residential customers throughout the year to educate on proper grease disposal, mailing over 2,000 educational packets in 2014.

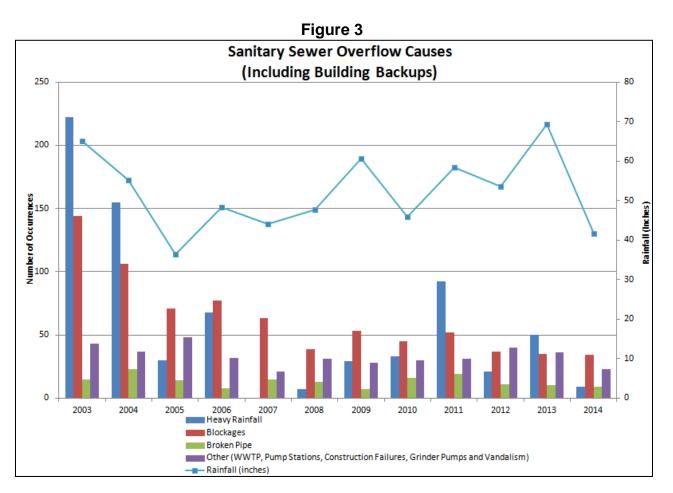


Causes of Sanitary Sewer Overflows

Figure 2 presents a comparison of SSOs for 2014 by causes. In this graph, the SSOs were grouped into four categories:

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

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



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 remain a leading cause of SSOs in recent years. These events stayed somewhat constant, decreasing from 35 in 2013 to 34 in 2014, but they have declined by approximately 76 percent since 2003.

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

year KUB cleaned more than 178 miles of sewer main through the BA Program. The progress of the BA Program is evident when looking at the number of blockage-related events compared to 2003.

Along with the BA Program, KUB's successful Grease Control Program has also played a role in the decrease in blockage-related SSOs over time. KUB's Grease Control Program has stepped up efforts by increasing inspections of food service facilities, ensuring older equipment is replaced as needed, and educating residential customers on proper grease disposal. Over 1,000 food service facilities were inspected in 2014 for proper grease control equipment, and over 2,000 Can the Grease packets were mailed to residential customers with educational information. Grease related SSOs have dropped from 50 in 2003 to 13 in 2014.

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 2014 Annual MOM Progress Report.

Heavy Rainfall

These events resulted from extraneous water entering the collection system due to rain events that exceeded the hydraulic capacity of the system. As previously described, rainfall amounts and intensities, sometimes record setting, have largely affected this trend; however, it is important to note that wet-weather overflows have decreased by almost 96 percent since 2003. Figure 3 indicates rain was the largest contributor to SSOs in 2003 and 2004, but the impacts of rain have decreased over time, largely due to the rehabilitation or replacement (286 miles) of sewer main and completion of over 263 sewer improvement projects, including six wastewater storage facilities holding 34 million gallons of total storage.

Since 2009 there has been an increase in wet-weather overflows that can also be attributed to the influence of rainfall amounts and intensities. The heavy rainfall (61 inches) in 2009 caused an increase in wet-weather events relative to the prior two years. Two intense rainfall events in 2009, which exceeded two-year 24-hour storm return periods, produced 22 wet-weather related overflows. Then in 2010, 33 overflows resulted from heavy rainfall. High antecedent soil moisture conditions in January and November 2010 contributed to 25 overflows, which was 64 percent of the total wet weather events for the year in these two months alone.

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

In 2012, the Knoxville area received above average precipitation again (53.64 inches). Twentyone wet-weather overflows occurred in 2012, which is significantly lower than 2011 due to PACE10 progress and storage facility completion. On September 17, 2012, the Knoxville area experienced a significant 24-hour rainfall event. During this time, rain totaled almost six inches and rainfall intensities reached 1.4 inches per hour in some locations. Historical data from the NWS showed this event to be a 50-year return period storm. However, only seven sewer overflows were directly related to I/I received due to this heavy rainfall. KUB's service area received a total of 69.35 inches of rain in 2013, which is 21.49 inches above normal. Approximately 90 percent of the 50 wet-weather overflows in 2013 occurred during three months of the year, when significant rainfall and saturated ground conditions increased the possibility for I/I. January precipitation reached 12.67 inches, which was 8.35 inches above the NWS average for this month. This wet weather produced 30 of the 50 wet-weather overflows in 2013. The majority of the remaining wet weather SSOs occurred in June and July when the Knoxville area received 16.75 inches of rainfall – 7.77 inches above normal for these months, which produced 15 wet-weather overflows in July.

As mentioned before, rainfall amounts in 2014 decreased to 41.67 inches, which is at least eight inches below normal. However, the months of February and October, when 7 of the 9 wetweather overflows occurred, experienced above average rainfall amounts, and saturated ground conditions increased the possibility for I/I. The low number of wet-weather overflows is due in part to the below average rainfall the Knoxville area received. However, when comparing 2014 to 2005, which was the last year to receive such low precipitation amounts, there were 30 wetweather overflows in 2005 relative to 9 in 2014, which amounts to a 70% decrease. This decrease can be attributed to KUB's system improvements.

Overall, the impacts of rain have decreased over time due to KUB's aggressive system improvements and storage facility construction. The "Long-Term Capital Improvement" column in the "2003-2014 SSOER with Building Backups" spreadsheets identifies areas that are susceptible to impacts of I/I and outlines ongoing or planned system improvements to further address I/I issues.

Broken Pipe

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

Figure 3 shows SSOs due to broken pipe fluctuate slightly, but, overall, the trend has been fairly constant (less than 20 SSOs per year) over the last several years. There were 9 SSOs due to broken pipe in 2014. Ground conditions can cause pipes to shift weakening joints. KUB continues to proceed with a significant amount of system rehabilitation and main line replacement to keep occurrences related to broken pipes low. As previously mentioned, over 286 miles of pipe have been rehabilitated since the beginning of the PACE 10 program.

<u>Other</u>

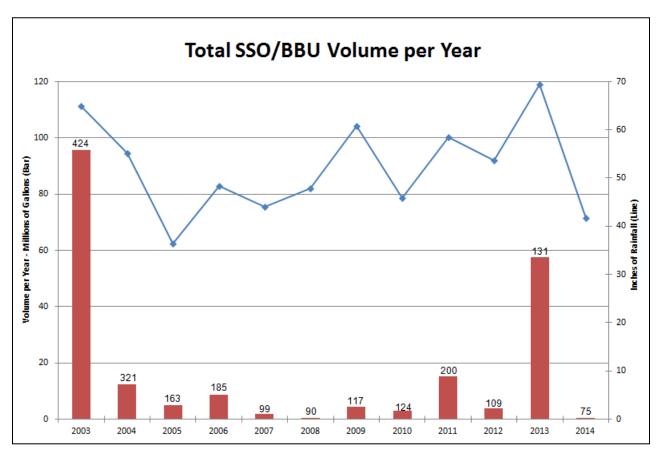
Construction failures and grinder pump failures were the primary drivers in this category for 2014. This category also includes electrical failures, WWTP failures, and vandalism.

KUB continues to look closely at the specific causes within this category to eliminate SSOs, whenever possible. This year 8 SSOs and building backups were caused by grinder pump failures, representing 34.8 percent of total SSOs in this category. KUB-owned grinder pumps are assessed, prioritized, and set on aggressive maintenance schedule. The second round KUB's Grinder Pump Inspection Program occurred in 2014. This inspection program also provides educational documents to homeowners with KUB-owned grinder pumps advising them of materials that are not acceptable to put down their system to help prevent future SSOs. However, many of the issues in 2014 resulting in SSOs or building backups were due to either tampering or customer care of the equipment. In many cases, customers put items down their sever laterals, like grease and rags, which clogged the pumps. Customers are advised that to prevent grinder

pump overflows, grease, sanitary wipes, or other items that could impact the pump should be avoided. The recommendations and repairs made from these inspections helped KUB to achieve the lowest number of overflows caused by grinder pump failures in 2014 since prior to PACE 10 implementation.

In addition, construction failures caused 12 SSOs and building backups this year. There is a wide range of factors in this category, such as sewer main flushing, dig-ins, and blockages caused by construction debris. When these situations occur, they are evaluated on a case-by case basis, investigated to determine how the situation could have been prevented, and discussed with the contractor to prevent future occurrences. If issues continue with a specific contractor, KUB may increase the level of disciplinary action to exclude the contractor from future contracts.

Figure 4.A



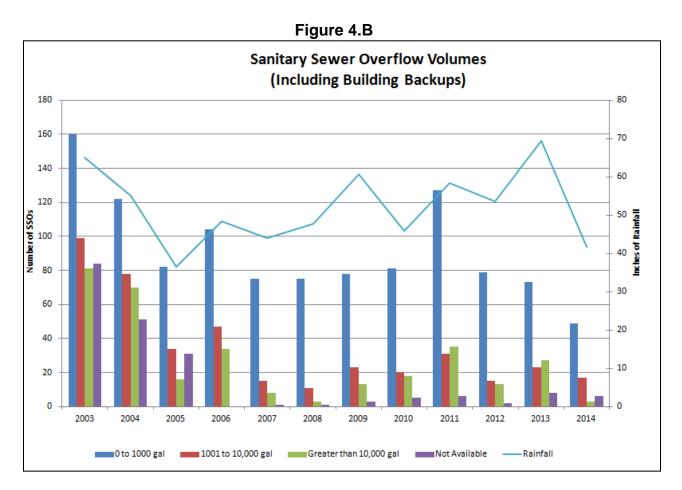
Sanitary Sewer Overflow Volumes

Figures 4.A and 4.B represent the SSO volumes between 2003 and 2014. For Figure 4.B, the SSO volumes were grouped into four volume ranges:

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

Total volumes have decreased by almost 99.9 percent, from 95.66 million gallons in 2003 to 0.13 million gallons in 2014. The decrease in total overflow volumes in 2007 is attributed to very low rainfall totals. All of the overflows that occurred in 2007 were dry-weather events. This downward trend continued in 2008 with the use of four storage tanks to help manage peak wet-weather flows. The increase from 2009 to 2013 was a result of increased rainfall, and particularly, the result of individual rainfall events of significant magnitude and intensity, as previously discussed. In 2014, KUB saw the lowest volume of overflows since PACE10 implementation, and this is partly due to the below average rainfall amounts and intensities. However, when comparing 2014 to other years that received receive comparable precipitation amounts, such as 2005, 2007, and 2010, the impact of the wastewater storage tanks and completion of wastewater improvement projects is evident.

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



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

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

0 to 1000 gallons

The number of SSOs and building backups in this category has decreased by 69 percent since 2003. In 2014, 49 of the 75 SSOs and building backups were 1,000 gallons or less, and out of those, 81.6 percent (40) were less than 500 gallons. Most of these events were related to blockages, grinder pumps failures, or construction failures.

1001 to 10,000 gallons

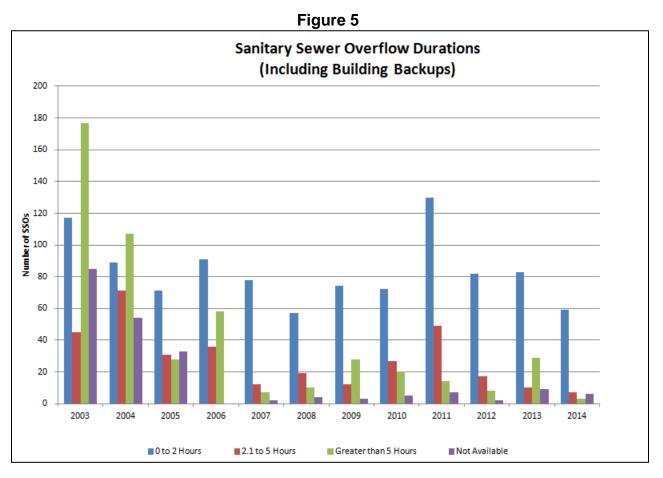
There were only 17 SSOs and building backups in this category for 2014, which is a decrease of almost 83 percent compared to 2003. The overflows in this category were mostly caused by construction failures, blockages, or broken pipe.

Greater than 10,000 gallons

These volumes are normally associated with rainfall-related events. Only three SSOs and building backups fell into this category in 2014. The SSOs and building backups in this category have decreased by over 93 percent since 2003, which highlights the success of increased capacity and reduction of I/I through rehabilitation and replacement projects and wastewater storage facilities.

Not Available (N/A)

This volume range represents situations where responders were not able to calculate volume because the overflow had occurred at some point in the past and was not detected until after the overflow had stopped. Under KUB's revised SORP, crews calculate volumes for both overflows and building backups, where sufficient flow data is available. There were six cases in 2014 where the total could not be estimated because the overflow had stopped by the time it was discovered. Situations where the overflow is discovered at a later date do not allow volume to be reported. KUB has been able to decrease the number of events in this category by almost 93 percent since 2003.



Sanitary Sewer Overflow Durations

Figure 5 represents the SSO durations between 2003 and 2014. Durations are typically based on the amount of time elapsed since the overflow was first observed until the time the overflow was observed to have stopped. In cases where KUB can document or has reason to believe the overflow had been ongoing prior to observation, durations may be estimated. In many cases, KUB mitigated the overflow shortly after confirmation of the event. The SSO durations were grouped into four ranges:

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

0 to 2 hours

In 2014, 59 of the 75 SSOs and building backups fell within this category. This duration range is typically associated with blockages, construction failures, or grinder pump failures. With this category having the highest number of events from 2005 to 2014, the increased response time directed by the SORP is evident. The 2014 Annual MOM Progress Report showed that our average response time for SSOs was 22.6 minutes, which is substantially less than the goal of 45 minutes. Approximately 79 percent of SSOs and building backups in 2014 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

This duration is typically related to blockages or rain events and the number in this category has fluctuated over time, ranging from a low of 7 in 2014 to a high of 71 in 2004. Only 7 occurrences from 2014 fell within this category, which is an 84 percent decrease from 2003 and highlights KUB's improved response to reduce the duration and volume of SSOs within our system.

Greater than 5 hours

These durations are typically associated with rainfall events. The occurrences in this category are significantly influenced by the amount and intensity of rainfall events; however, the additional collection system work and storage facilities have helped to decrease these occurrences in more recent years. There were 3 occurrences in 2014, which were due to construction failure and broken sewer mains that were difficult to reestablish service. The number of events in this category has decreased by 98.3 percent since 2003.

Not Available (N/A)

This category captures the durations for which responders were not able to document because the overflow had occurred at some point in the past and was not detected until after the overflow had stopped. Under KUB's revised SORP, crews document durations for both overflows and building backups, where sufficient data is available. There were six cases in 2014 where the time was unknown because the overflow had stopped by the time it was discovered. Situations where the overflow is discovered at a later date do not allow event durations to be reported. KUB has been able to decrease the number of events in this category by 93 percent since 2003.

Appendix A

Unpermitted Discharges Subject to Stipulated Penalties

2014 Unpermitted Discharge Data and Analysis

Appendix A lists any SSO in 2014 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.

Category	Count
Mech/Elec. Failure	0
Vandalism	0
3-day rainfall > 4 in.	0
1-day rainfall > 3 in.	0
Intensity > 0.84 in/hr	2
501 gal <vol <1000="" gal<="" td=""><td>1</td></vol>	1
Vol < 500 gal.	3
Total	6

Fia	ure	7
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There was a decrease in unpermitted discharges from 2013 (59) to 2014 (14). Six of the 14 total unpermitted discharges in 2014 fell within one of the categories listed above. Thirty-six percent of the total unpermitted discharges had volumes under 1,000 gallons, which can be attributed to KUB's efforts in meeting the SORP's goal of responding to overflows in under 45 minutes. As previously mentioned, KUB's average response time to overflows in 2014 was 22.6 minutes.

A significant decline in unpermitted discharges has occurred over the last few years due to the completion of PACE 10 projects and KUB's ongoing system maintenance. The emphasis on Management, Operation, and Maintenance (MOM) program efforts, as described in the recently submitted 2014 MOM Progress Report, is a major contributor to this decline and will continue to be important to further reduce overflow events. KUB is ahead of schedule to finish all CSSAP assessments within one 12-year cycle period. KUB has already assessed over 94 percent of its gravity collection system, over 90 percent of its manholes, and over 93 percent of private sewer laterals. In addition, all sewer force mains and pump stations have been assessed every two years. Twenty-two percent of the sewer system has undergone rehabilitation or replacement to aggressively eliminate SSOs and unpermitted discharges. As KUB progresses in MOM activities, Basin Characterization has become a larger part of the evaluation as a more comprehensive set of data becomes available from CSSAP activities, such as smoke testing, flow monitoring, and closed circuit television. These characterizations help direct system improvements, either through capital projects or preventative maintenance activities, to reduce both dry- and wet-weather SSOs. Additionally, KUB's aggressive BA Program, which covers 10 percent of its system each year, and the efforts of the Grease Control Program continue to prevent blockage related overflows.

Appendix A										
Unpermitt	ed Discharg	jes in 2014								
	3	Overflow volume of 500 gallons o	r less	0	1-day rainfall greater than 3"					
	1	Overflow volume of 501 - 1000 ga	allons	0	3-day rainfall greater than 4"					
	0	Vandalism		2	Intensity > 0.84 in/hr					
	U	vandalisti		۷۲	Intensity > 0.84 In/11					
	0	Electrical or mechanical failure								
Reporting				Unrecovered	Receiving		Rainfal	l Totals	Peak Rainfall	Force Majeure
Period	Date	Location	Event	Volume (Gal.)	Stream	Cause	1-Day*	3-Day**	Intensity (in/hr)	event
1st 2014	1/11/2014	2541 Mitchell Street	Unpermitted Discharge	100	First Creek	Heavy Rainfall	1.34	1.42	1.11	
1st 2014	2/3/2014	2541 Mitchell Street	Unpermitted Discharge	6,550	First Creek	Heavy Rainfall	1.61	2.11	0.53	
1st 2014	2/3/2014	2008 Riverside Drive	Unpermitted Discharge	24,400	Willams Creek	Heavy Rainfall	1.61	2.11	0.53	
1st 2014	2/20/2014	604 Dutch Valley Drive	Unpermitted Discharge	33,000	Second Creek	Blockage - Grease	0.00	0.11	0.07	
2nd 2014	4/16/2014	2822 Pruden Drive	Unpermitted Discharge	100	First Creek	Blockage - Roots	0.00	0.30	0.05	
3rd 2014	7/22/2014	1263 Swan Pond Lane	Unpermitted Discharge	2,000	Swan Pond Creek	Blockage - Grease and Debris	0.00	0.00	0.00	
3rd 2014	7/27/2014	4411 Pleasant Ridge Road	Unpermitted Discharge	4,300	Third Creek	Blockage - Grease	1.61	1.61	1.42	
3rd 2014	8/24/2014	710 Radford Place	Unpermitted Discharge	150	Second Creek	Blockage - Grease	0.00	0.00	0.00	
4th 2014	10/24/2014	241 Neals Landing Road	Unpermitted Discharge	Unknown	Shining Creek	Heavy Rainfall	0.00	0.00	0.00	
4th 2014	10/27/2014	931 North Wooddale Road	Unpermitted Discharge	Unknown	Shining Creek	Heavy Rainfall	0.00	0.00	0.00	
4th 2014	11/10/2014	113 State Street	Unpermitted Discharge	300	First Creek	Broken System	0.00	0.00	0.00	
4th 2014	11/13/2014	4770 Centerline Drive	Unpermitted Discharge	6,200	Loves Creek	Broken System	0.00	0.00	0.00	
4th 2014	11/13/2014	1415 Moody Avenue	Unpermitted Discharge	900	Baker Creek	Blockage - Roots	0.00	0.00	0.00	
4th 2014	11/21/2014	5619 E. Governor John Sevier	Unpermitted Discharge	Unknown	Holston River	Blockage - Debris	0.00	0.00	0.00	
*1-Dav Rainfall	Total is the rain th	hat occurred on the day of the SSO								
		amount of rain that occurred on the		e 2 days prior						
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Date 1/24/02	Street # Street 2015 NEYLAND DRIVE	Plant Watershed Ba KUW Third Creek 38	B Secondary Junction Box	Private Property Location Cause of SSO/KUB Response Heavy rainfall in the area resulted in high flows in the collection system.	Volume (Gallons) 1,000,000	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project Future Construction Planned	Short-Term Controls Blockage Abatement (BA) N/A	BA Schedule N/A
1/25/02 3/17/02	2015 NEYLAND DRIVE 1500 LYONS BEND ROAD	KUW Third Creek 35 FC Fourth Creek 3		Heavy rainfall in the area resulted in high flows in the collection system. WWTP - Electrical Failure. Electricity was restored.	50,000 1,916,000	2.5	✓ ✓	Future Construction Planned	N/A Repair Completed	N/A N/A
3/17/02	2004 NEYLAND DRIVE	KUW Third Creek 35		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned	N/A	N/A
3/17/02 3/18/02	2015 NEYLAND DRIVE	KUW Third Creek 35 FC Fourth Creek 3		Heavy rainfall in the area resulted in high flows in the collection system.	450,000 134,000	9 0.13	✓ ✓	Future Construction Planned	N/A	N/A N/A
3/18/02	1500 LYONS BEND ROAD 2015 NEYLAND DRIVE	FC Fourth Creek 3 KUW Third Creek 35		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.	200,000	5.5	✓ ✓	Construction Underway Future Construction Planned	N/A N/A	N/A N/A
4/19/02	1500 LYONS BEND ROAD	FC Fourth Creek 3		WWTP - Mechanical Failure. Plant was reinstated.	569,000	2	√	N/A	Repair Completed	N/A
6/6/02 7/30/02	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE	KUW Third Creek 38 KUW Third Creek 38		WWTP - Electrical Failure. Electricity was restored. WWTP - Electrical Failure. Electricity was restored.	38,000	0.25	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
8/29/02	4710 MURPHY ROAD	KUW First Creek 2		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	10	2		N/A	Repair Completed	N/A
9/21/02	2004 NEYLAND DRIVE	KUW Third Creek 38		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 9/22/02	2015 NEYLAND DRIVE 2004 NEYLAND DRIVE	KUW Third Creek 35 KUW Third Creek 35		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 1,300,000	0.25	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
9/22/02	2004 NEYLAND DRIVE	KUW Third Creek 35	iB MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	5,700,000	4.5	✓	Future Construction Planned	N/A	N/A
10/3/02 12/5/02	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC Fourth Creek 32 FC Fourth Creek 32		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	2	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
2/14/03	2004 NEYLAND DRIVE	KUW Third Creek 32		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.	1,600,000	1.5	× ×	Future Construction Planned	N/A	N/A N/A
2/14/03	2015 NEYLAND DRIVE	KUW Third Creek 35		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 2/15/03	1500 LYONS BEND ROAD 2004 NEYLAND DRIVE	FC Fourth Creek 3 KUW Third Creek 35		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 11,700,000	2 16.5	√ √	Construction Underway Future Construction Planned	N/A N/A	N/A N/A
2/16/03	961 E FORD VALLEY ROAD	KUW Knob Creek 4		Heavy rainfall in the area resulted in high flows in the collection system.	180	2	V	Construction Completed	N/A	N/A
2/16/03 2/16/03	1500 LYONS BEND ROAD 2004 NEYLAND DRIVE	FC Fourth Creek 3 KUW Third Creek 33		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.	871,000 12,120,000	6 18	✓ ✓	Construction Underway Future Construction Planned	N/A N/A	N/A N/A
2/17/03	2004 NEYLAND DRIVE	KUW Third Creek 35	iB MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	1,480,000	7	√	Future Construction Planned	N/A	N/A
2/19/03 2/21/03	4606 UPCHURCH ROAD	KUW First Creek 3 KUW Third Creek 3		Blockage - Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	90 1,320,000	3 2.5	√	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
2/21/03	2004 NEYLAND DRIVE	KUW Third Creek 3		Heavy rainfall in the area resulted in high flows in the collection system.	10,870,000	2.5	✓ ✓	Future Construction Planned	N/A	N/A
2/27/03	600 N GALLAHER VIEW ROAD	FC Fourth Creek 32		Heavy rainfall in the area resulted in high flows in the collection system.	1890	21	~	Construction Completed	N/A	N/A
3/8/03 3/13/03	4411 CYPRESS LANE 961 E FORD VALLEY ROAD	KUW South Knoxville 3 KUW Knob Creek 4		Blockage - Roots. The sewer main was flushed & area was cleaned. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1440 600	0.5	✓	N/A Construction Completed	BA N/A	12 Months N/A
3/20/03	961 E FORD VALLEY ROAD	KUW Knob Creek 4		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	600	0.34	√	Construction Completed	N/A	N/A
3/28/03	4713 OLD BROADWAY 961 E FORD VALLEY ROAD	KUW First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system. Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	Unknown	Unknown	✓ ✓	Construction Completed Construction Completed	BA	12 Months
3/30/03 3/31/03	961 E FORD VALLEY ROAD	KUW Knob Creek 4 KUW Knob Creek 4		Pump Station - Wetchanical Failure, Station was reinstated & the area was cleaned. Pump Station - Mechanical Failure, Station was reinstated & the area was cleaned.	9000 1500	0.5	v √	Construction Completed	N/A N/A	N/A N/A
4/10/03	2004 NEYLAND DRIVE	KUW Third Creek 3	iB MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	1,740,000	3	✓	Future Construction Planned	N/A	N/A
5/5/03	2004 NEYLAND DRIVE 1500 LYONS BEND ROAD	FC Fourth Creek 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.	1,050,000	3	√ √	Future Construction Planned	N/A N/A	N/A N/A
5/6/03 5/6/03	600 N GALLAHER VIEW ROAD	FC Fourth Creek 3 FC Fourth Creek 33		Heavy rainfall in the area resulted in high flows in the collection system.	26,710 49.875	8.5 66.5	v ✓	Construction Underway Construction Completed	N/A N/A	N/A N/A
5/6/03	2004 NEYLAND DRIVE	KUW Third Creek 38		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 5/7/03	961 E FORD VALLEY ROAD 2004 NEYLAND DRIVE	KUW Knob Creek 4 KUW Third Creek 35		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.	2100	2 15.5	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
5/15/03	1500 LYONS BEND ROAD	FC Fourth Creek 3		WWP - Electrical Failure. Electricity was restored.	1,500,000	3	√	Construction Underway	N/A	N/A
7/2/03	600 N GALLAHER VIEW ROAD	FC Fourth Creek 32		Heavy rainfall in the area resulted in high flows in the collection system.	14,440	24	V	Construction Completed	N/A	N/A
7/9/03 9/9/03	1500 LYONS BEND ROAD 5246 BENT RIVER BOULEVARD	FC Fourth Creek 3 FC Fourth Creek 4		WWTP - Electrical Failure. Electricity was restored. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	1,370,000 30	3.14	×	Construction Underway N/A	N/A Repair Completed	N/A N/A
9/13/03	5240 BENT RIVER BOULEVARD	FC Fourth Creek 4		Grinder Pump Failure. Pump Karsen & the area was cleaned.	Unknown	Unknown		N/A	Repair Completed	N/A
11/6/03	600 N GALLAHER VIEW ROAD	FC Fourth Creek 32	2A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	3600	4	√	Construction Completed	N/A	N/A
11/6/03 11/19/03	2004 NEYLAND DRIVE 600 N GALLAHER VIEW ROAD	KUW Third Creek 38 FC Fourth Creek 33		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	✓ ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
12/11/03	1500 LYONS BEND ROAD	FC Fourth Creek 3		WWTP - Electrical Failure. Electricity was restored.	48,650	0.33	√	N/A	Repair Completed	N/A N/A
12/30/03	961 E FORD VALLEY ROAD	KUW Knob Creek 4		Construction Failure - Sewer Main Flushing. The area was cleaned.	30	0.17	✓	Construction Completed	N/A	N/A
1/28/04 2/6/04	4713 OLD BROADWAY 961 E FORD VALLEY ROAD	KUW First Creek KUW Knob Creek 4		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 54.000	2	✓ ✓	Construction Completed Construction Completed	BA N/A	12 Months N/A
2/6/04	600 N GALLAHER VIEW ROAD	FC Fourth Creek 32		Heavy rainfall in the area resulted in high flows in the collection system.	6050	23.5	√	Construction Completed	N/A	N/A
2/6/04	4713 OLD BROADWAY	KUW First Creek		Heavy rainfall in the area resulted in high flows in the collection system.	13,500	18	✓	Construction Completed	BA	12 Months
2/6/04 3/6/04	304 SEVENTH AVENUE 961 E FORD VALLEY ROAD	KUW First Creek 1 KUW Knob Creek 4		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.	6660 3000	18.5	✓ ✓	Future Construction Planned Construction Completed	BA N/A	12 Months N/A
3/6/04	600 N GALLAHER VIEW ROAD	FC Fourth Creek 32		Heavy rainfall in the area resulted in high flows in the collection system.	1680	3.5	✓	Construction Completed	N/A	N/A
3/6/04	4713 OLD BROADWAY	KUW First Creek		Heavy rainfall in the area resulted in high flows in the collection system.	3150	2.5	✓	Construction Completed	BA	12 Months
6/17/04 6/23/04	1500 LYONS BEND ROAD 4713 OLD BROADWAY	FC Fourth Creek 3 KUW First 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.	2000 Unknown	0.58 Unknown	✓	Construction Underway Construction Completed	N/A BA	N/A 12 Months
6/25/04	961 E FORD VALLEY ROAD	KUW Knob Creek 4		Heavy rainfail in the area resulted in high how in the collection system. Heavy rainfail 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 33		Heavy rainfall in the area resulted in high flows in the collection system.	240	4	✓ ✓	Construction Completed	N/A	N/A
9/10/04 9/17/04	409 N BELLEMEADE AVENUE 600 N GALLAHER VIEW ROAD	FC Fourth Creek 32		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	22	✓ ✓	Construction Completed Construction Completed	BA/Grease Control N/A	1 Month N/A
9/20/04	4713 OLD BROADWAY	KUW First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	561	5	√	Construction Completed	BA	12 Months
9/22/04	1500 LYONS BEND ROAD		7 MH 1	WWTP - Mechanical Failure. Plant was reinstated.	102,483	0.5	✓ ✓	N/A Construction Completed	Repair Completed BA	N/A 1 Month
9/24/04 10/19/04	409 N BELLEMEADE AVENUE 409 N BELLEMEADE AVENUE	KUW Third Creek 2 KUW Third Creek 2		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	75 2805	1.25 27	✓ ✓	Construction Completed Construction Completed	BA/Grease Control	1 Month
11/24/04	1500 LYONS BEND ROAD	FC Fourth Creek 3	7 MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	250	0.007	✓	Construction Underway	N/A	N/A
11/24/04	600 N GALLAHER VIEW ROAD	FC Fourth Creek 32		Heavy rainfall in the area resulted in high flows in the collection system.	6480	12	✓ ✓	Construction Completed	N/A	N/A
11/24/04 11/24/04	4713 OLD BROADWAY 1216 WATERCRESS DRIVE	KUW First Creek		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 Completed	BA BA/Grease Control	12 Months 6 Months
11/30/04	5246 BENT RIVER BOULEVARD	FC Fourth Creek 4		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	2		N/A	Repair Completed	N/A
12/1/04	600 N GALLAHER VIEW ROAD	FC Fourth Creek 32	2A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	20,160	14	✓ ✓	Construction Completed	N/A	N/A
12/1/04 12/7/04	4713 OLD BROADWAY 600 N GALLAHER VIEW ROAD	FC Fourth Creek 32		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.	37,400 390,240	12 24	✓ ✓	Construction Completed Construction Completed	BA N/A	12 Months N/A
12/7/04	4713 OLD BROADWAY	KUW First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	54,720	9.5	√	Construction Completed	BA	12 Months
12/9/04	1500 LYONS BEND ROAD	FC Fourth Creek 3		Heavy rainfall in the area resulted in high flows in the collection system.	29,123	2.67		Construction Underway	N/A	N/A
12/9/04 12/9/04	1500 LYONS BEND ROAD 409 N BELLEMEADE AVENUE	FC Fourth Creek 3 KUW Third Creek 2	7 MH 1 8 MH 3-53	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.	113,590 2640	1.83	✓ ✓	Construction Underway Construction Completed	N/A BA	N/A 1 Month
12/9/04	600 N GALLAHER VIEW ROAD	FC Fourth Creek 32	A 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	2004 NEYLAND DRIVE 4713 OLD BROADWAY	KUW Third Creek 38 KUW First 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.	400,000 1,008,120	2.63 62	√	Future Construction Planned Construction Completed	N/A BA	N/A 12 Months
12/9/04	304 SEVENTH AVENUE	KUW First Creek 1		Heavy rainfall in the area resulted in high flows in the collection system.	26,928	62	× · · · · · · · · · · · · · · · · · · ·	Future Construction Planned	BA	12 Months
2/15/05	2015 NEYLAND DRIVE	KUW Third Creek 35	B #6 Digester	WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	5500	0.5		Future Construction Planned	N/A	N/A
2/21/05	600 N GALLAHER VIEW ROAD 2015 NEYLAND DRIVE	FC Fourth Creek 32		Heavy rainfall in the area resulted in high flows in the collection system. WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	260000	20	✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
2/22/05 3/10/05	2015 NEYLAND DRIVE 5241 BENT RIVER BOULEVARD	KUW Third Creek 38 FC Fourth Creek 4		Grinder Pump Failure. WW IP process was reinstated & the area was cleaned.	200	0.17		N/A	N/A Repair Completed	N/A N/A
3/22/05	2015 NEYLAND DRIVE	KUW Third Creek 35	B Filtrate Tank	Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	200	0.1		Future Construction Planned	N/A	N/A
3/28/05 4/2/05	1500 LYONS BEND ROAD 600 N GALLAHER VIEW ROAD	FC Fourth Creek 3 FC Fourth Creek 33		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.	50,410 7,200	2 20	✓ ✓	Construction Underway Construction Completed	N/A N/A	N/A N/A
4/2/05	2015 NEYLAND DRIVE	KUW Third Creek 35	B Secondary Junction Box	Heavy rainfall in the area resulted in high flows in the collection system.	9,000	1.5		Future Construction Planned	N/A	N/A
4/4/05	3741 EAKERS STREET	KUW South Knoxville 4		Heavy rainfall in the area resulted in high flows in the collection system.	1,200	4	✓ ✓	Construction Completed	N/A	N/A
4/13/05 4/19/05	600 N GALLAHER VIEW ROAD 4713 OLD BROADWAY	FC Fourth Creek 32 KUW First 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.	247,680 250	43	✓ ✓	Construction Completed Construction Completed	N/A BA	N/A 12 Months
5/20/05	600 N GALLAHER VIEW ROAD	FC Fourth Creek 32	YA MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	5,610	2.75	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A	N/A
5/20/05	2015 NEYLAND DRIVE 3741 EAKERS STREET	KUW Third Creek 35	B Primary Clarifiers # 3-4 Influent Boxes	Heavy rainfall in the area resulted in high flows in the collection system.	500	0.17	✓	Future Construction Planned	N/A N/A	N/A N/A
5/24/05 7/19/05	600 N GALLAHER VIEW ROAD	KUW South Knoxville 4 FC Fourth Creek 32	2A 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.	60 1,037	3	✓ ✓	Construction Completed Construction Completed	N/A	N/A
8/23/05	2015 NEYLAND DRIVE	KUW Third Creek 35	B Digester MH	WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	0	0.08		Future Construction Planned	N/A	N/A
8/23/05	2304 WOODS CREEK ROAD	LC Loves Creek	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	2		N/A	Repair Completed	N/A

_						Private Property			Event occurred two or more		Short-Term Controls	
Date 1/17/06	Street # Street 4713 OLD BROADWAY		ant Watershed JW First Creek	Basin 7	Overflow Location MH 2	Location Cause of SSO/KUB Response Heavy rainfall in the area resulted in high flows in the collection system.	Volume (Gallons) 270	Duration (Hours)	times within 12 months	Long-Term Capital Project Construction Completed	Blockage Abatement (BA) BA	BA Schedule 12 Months
1/26/06	4713 OLD BROADWAY	KI	JW 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 4/8/06	600 N GALLAHER VIEW ROAD 4713 OLD BROADWAY		C Fourth Creek	32A 7	MH 77 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.	38148 20196	17	✓ ✓	Construction Completed Construction Completed	N/A BA	N/A 12 Months
4/21/06	4411 CYPRESS LANE	К	JW South Knoxvill	e 39	MH 62-21	Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	225	3		N/A	BA	3 Months
4/22/06	4713 OLD BROADWAY		JW First Creek	7	MH 2 MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	89670 14890	12	✓ ✓	Construction Completed	BA N/A	12 Months
4/24/06 9/23/06	600 N GALLAHER VIEW ROAD 961 E FORD VALLEY ROAD	KI	C Fourth Creek		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.	9000	5	· · ·	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/23/06	3741 EAKERS STREET		JW South Knoxvill		MHs 47 & 47-103 MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	10560 489000	8 2.88		Construction Completed	N/A N/A	N/A N/A
9/23/06 9/23/06	1500 LYONS BEND ROAD 2015 NEYLAND DRIVE		C Fourth Creek	37 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.	489000	0.008		Construction Underway Future Construction Planned	N/A N/A	N/A
9/23/06	4600 UPCHURCH ROAD	KI	JW First Creek	7	MH 45	Heavy rainfall in the area resulted in high flows in the collection system.	360	2		Construction Completed	N/A	N/A
9/23/06 9/24/06	1216 WATERCRESS DRIVE 600 N GALLAHER VIEW ROAD		JW First Creek C Fourth Creek	7 32A	MH 29-9 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.	1440 3310000	6		Construction Completed Construction Completed	BA N/A	6 Months N/A
9/24/06	4713 OLD BROADWAY		JW First Creek	32A 7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	197712	6	↓ ✓	Construction Completed	BA	12 Months
9/25/06	6410 S NORTHSHORE DRIVE		C Fourth Creek	37	MH 8	Heavy rainfall in the area resulted in high flows in the collection system.	304380	6		Construction Completed	N/A	N/A
9/28/06 11/1/06	302 SEVENTH AVENUE 304 SEVENTH AVENUE		JW First Creek JW First Creek	18	MHs 15 & 16 MH 15	Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	6209 558	6	✓ ✓	Future Construction Planned Future Construction Planned	BA	6 Months 6 Months
12/31/06	2004 NEYLAND DRIVE		JW Third Creek	35A	MH 15	WWTP - Mechanical Failure. Plant was reinstated.	160000	0.33	•	Future Construction Planned	N/A	N/A
1/8/07	304 SEVENTH AVENUE		JW 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 3/3/07	2004 NEYLAND DRIVE 2015 NEYLAND DRIVE		JW Third Creek JW Third Creek	35B 35B	MH 1 Ruptured Force Main	WWTP - Electrical Failure. Electricity was restored. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	1,170,000	1.5	~	Future Construction Planned Future Construction Planned	Repair Completed Repair Completed	N/A N/A
6/7/07	1500 LYONS BEND ROAD	14	C Fourth Creek		Leaking Valve	Broken System - Sludge Line Valve Failure. The valve was replaced & the area cleaned.	25	0.58		N/A	Repair Completed	N/A
9/24/07	961 E FORD VALLEY ROAD		JW Knob Creek	41	Broken Force Main	Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	4,500	1.5		Construction Completed	Repair Completed	N/A
2/4/08 2/18/08	516 N BEAMAN STREET 2015 NEYLAND DRIVE		C Loves Creek	20 35B	MH 61-8 Primary Sludge Pipe	Blockage - Roots. The sewer main was flushed & area was cleaned. Broken System - Sludge Line Leak. The leak was repaired & the area cleaned.	180 2,128	0.083		Construction Completed Future Construction Planned	BA Repair Completed	6 Months N/A
3/24/08	5219 BENT RIVER BOULEVARD		C Fourth Creek		Grinder Pump & BBU	BBU Grinder Pump Failure. Pump was repaired & the area was cleaned.	15	1		N/A	Repair Completed	N/A
3/25/08	4710 MURPHY ROAD	K	JW First Creek	2	Wetwell	Grinder Pump Failure. Pump was repaired & the area was cleaned.	14	2		N/A	Repair Completed	N/A
5/28/08 6/11/08	4144 OAKLAND DRIVE 2015 NEYLAND DRIVE	14	JW First Creek JW Third Creek	2 35B	MHs 39-4,39-44,39-45 & Lateral Cleanout MH 4-51	Heavy rainfall in the area resulted in high flows in the collection system. WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	45,655 50	2 0.02	✓	Construction Completed Future Construction Planned	N/A Repair Completed	N/A N/A
6/11/08	5246 BENT RIVER BOULEVARD		C Fourth Creek	35B 43	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	3		N/A	Repair Completed Repair Completed	N/A N/A
7/4/08	5241 BENT RIVER BOULEVARD	F	C Fourth Creek	43	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	4		N/A	Repair Completed	N/A
7/28/08 7/30/08	409 N BELLEMEADE AVENUE 5405 LANCE DRIVE		JW Third Creek	28 21	MH 3-53 MH 10-85	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.	300 4.900	1 24	✓	Construction Completed N/A	Repair Completed BA	N/A 6 Months
7/30/08 8/4/08	5405 LANCE DRIVE 5246 BENT RIVER BOULEVARD		C Fourth Creek		MH 10-85 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	4,900	24 2.33		N/A N/A	Repair Completed	6 Months N/A
9/4/08	2015 NEYLAND DRIVE		JW Third Creek	35B	Broken Gravity Main	Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	50	0.083		Future Construction Planned	Repair Completed	N/A
12/3/08 12/11/08	3413 KINGSTON PIKE 1216 WATERCRESS DRIVE		JW Third Creek JW First Creek	29 7	Broken Gravity Main MH 29-9	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.	200 65	10		Construction Completed Construction Completed	N/A BA	N/A 6 Months
1/6/09	3410 BORIGHT DRIVE		JW First Creek	8	MHs 42,43,44 & 45	Heavy rainfall in the area resulted in high flows in the collection system.	4.830	9.5	✓	Construction Underway	N/A	N/A
1/6/09	2536 CECIL AVENUE	K	JW First Creek	18	MH 30-11	Heavy rainfall in the area resulted in high flows in the collection system.	4,575	9	√	Construction Completed	BA/Grease Control	6 Months
1/6/09 1/6/09	961 E FORD VALLEY ROAD 5011 KINGSTON PIKE		JW Knob Creek	41	Wetwell MH 58	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.	60,000 5.600	10	~	Construction Completed Construction Completed	N/A N/A	N/A
1/6/09	4144 OAKLAND DRIVE		JW Third Creek JW First Creek	34	MH 58 MHs 39-4,39-44,39-45 & 2 Lateral Cleanouts	Heavy rainfall in the area resulted in high flows in the collection system.	22,475	11	~	Construction Completed	N/A N/A	N/A N/A
1/7/09	701 CEDAR LANE	K	JW Second Creek	<u>2</u> 5	MH 35-4	Blockage - Roots. The sewer main was flushed & area was cleaned.	37,450	26		N/A	BA	3 Months
1/7/09	600 N GALLAHER VIEW ROAD		C Fourth Creek		MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	105,000	26	✓ ✓	Construction Completed	N/A N/A	N/A
2/4/09 2/20/09	8560 WESTLAND DRIVE 117 SIXTEENTH AVENUE		C Fourth Creek		Leaking ARV MH 21-33	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	225 255	1	~	Construction Completed N/A	N/A BA/Grease Control	N/A 6 Months
4/16/09	5032 LYONS VIEW PIKE		JW Third Creek		Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	510	6.5		N/A	Repair Completed	N/A
5/5/09	4710 MURPHY ROAD		JW First Creek	2	Wetwell	Grinder Pump Failure. Pump was repaired & the area was cleaned.	100	2.5		N/A	Repair Completed	N/A
5/8/09 5/10/09	2305 CLINCH AVENUE 3560 TALAHI DRIVE		JW Third Creek JW Third Creek	35B 38	MH 23-27 Lateral Cleanout	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	180 140	1		N/A N/A	Repair Completed BA	N/A 12 Months
6/5/09	1411 DAVANNA STREET		JW Second Creek		MH 8	Heavy rainfall in the area resulted in high flows in the collection system.	3,990	4	✓	Construction Completed	N/A	N/A
6/12/09	4300 ROBERTS ROAD		B Eastbridge	113	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	1 0.0166		N/A	Repair Completed Repair Completed	N/A
6/26/09 7/1/09	2305 CLINCH AVENUE 2304 WOODS CREEK ROAD		JW Third Creek	35B 105	MH 39 Grinder Pump	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	2,328	0.0166		N/A N/A	Repair Completed Repair Completed	N/A N/A
7/22/09	8560 WESTLAND DRIVE		C Fourth Creek		Air Release Valve	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	37	1	✓	Construction Completed	N/A	N/A
8/6/09	3741 EAKERS STREET	14	JW South Knoxvill		MH 47	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	224	0.5 Unknown	✓	Construction Completed	N/A	N/A N/A
8/12/09 8/24/09	608 VAN STREET 961 E FORD VALLEY ROAD		JW Second Creek JW Knob Creek	23 41	MHs 28-14, 28-1, & 28 and Subsurface Wetwell	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	Unknown 100	0.17	✓	Construction Completed Construction Completed	BA/Grease Control N/A	N/A N/A
9/23/09	961 E FORD VALLEY ROAD		JW Knob Creek	41	Wetwell	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	14,400	8	√	Construction Completed	N/A	N/A
9/26/09	1411 DAVANNA STREET 961 E FORD VALLEY ROAD	14	JW Second Creek		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.	350	1	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/26/09 9/26/09	3741 EAKERS STREET		JW Knob Creek JW South Knoxvill		Wetwell MHs 47 & 47-103	Heavy rainfall in the area resulted in high flows in the Collection System.	6,000 1,900	3	↓ ✓	Construction Completed	N/A N/A	N/A N/A
9/26/09	1500 LYONS BEND ROAD		C Fourth Creek		MH 1	WWTP - Electrical Failure. Electricity was restored.	40,000	0.06	√	Construction Underway	N/A	N/A
9/26/09	2004 NEYLAND DRIVE 961 E FORD VALLEY ROAD		JW Second Creek		MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	250,000	0.26	✓ ✓	Future Construction Planned	N/A N/A	N/A N/A
9/27/09 10/20/09	850 TALLY HO DRIVE		JW Knob Creek JW South Knoxvill		Wetwell MH 62-21	Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	1,800 1.870	2	v	Construction Completed N/A	BA	6 Months
12/9/09	2536 CECIL AVENUE		JW First Creek		MH 30-11	Heavy rainfall in the area resulted in high flows in the collection system.	40	0.5	✓	Construction Completed	N/A	N/A
12/9/09	1500 LYONS BEND ROAD		C Fourth Creek		MH 1	WWTP - Electrical Failure. Electricity was restored.	480,000	0.45 0.87	✓	N/A	Repair Completed	N/A N/A
12/9/09 12/12/09	2004 NEYLAND DRIVE 5227 MCNUTT ROAD		JW Second Creek JW Knob Creek	35a 41	MH 1 MH 96	WWTP - Electrical Failure. Electricity was restored. Blockage - Unknown. The sewer main was flushed & area was cleaned.	3,300,000 1,061	0.87		Future Construction Planned Construction Underway	Repair Completed BA	6 Months
12/15/09	1411 DAVANNA STREET		JW Second Creek		MH 8	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	~	Construction Completed	N/A	N/A
12/16/09	4315 CLINTON HIGHWAY		JW Second Creek		Lateral Cleanout	Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	4,855	48 Hours Intermittently		N/A Construction Underson	Repair Completed	N/A
12/18/09 1/6/10	3410 BORIGHT DRIVE 905 KERMIT DRIVE		JW First Creek JW Second Creek	8 (5	MHs 42 & 43 MH 4-36	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	3,310 1080	<u> </u>	✓	Construction Underway N/A	BA/Grease Control BA/Grease Control	6 Months 6 Months
1/18/10	1712 POLKWRIGHT LANE	F	C Fourth Creek		Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
1/24/10	2414 BERNHURST DRIVE		JW First Creek	4	MHs 18-58, 18-54 & 18-53	Blockage - Unknown. The sewer main was flushed & area was cleaned.	5550 138060	10		N/A	BA BA	6 Months
1/24/10 1/24/10	2536 CECIL AVENUE 1500 LYONS BEND ROAD		JW First Creek C Fourth Creek	18 37	MH 30-11 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.	138060 74000	8 1.62	√	Construction Completed Construction Underway	BA N/A	6 Months N/A
1/24/10	5760 SANDIS LANE		C Loves Creek		Influent Structure	WWTP - Electrical Failure. Electricity was restored.	190000	0.75		N/A	N/A	N/A
1/24/10	304 SEVENTH AVENUE	K	JW First Creek	18	MH 15	Heavy rainfall in the area resulted in high flows in the collection system.	90	3	,	Future Construction Planned	BA	6 Months
1/25/10 1/25/10	1411 DAVANNA STREET 3741 EAKERS STREET		JW Second Creek JW South Knoxvill		MH 8 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.	Unknown Unknown	Unknown Unknown	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
1/25/10	4505 MIDDLEBROOK PIKE		JW South Knoxvili JW Third Creek		Diversion Structure	Heavy rainfall in the area resulted in high flows in the collection system.	21600	4		Future Construction Planned	N/A N/A	N/A N/A
1/25/10	600 N GALLAHER VIEW ROAD		C Fourth Creek	32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	95580	9	✓	Construction Completed	N/A	N/A
1/25/10 1/26/10	5546 WILKERSON ROAD 4713 OLD BROADWAY		JW Third Creek JW First Creek	9	Lateral Cleanout 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.	5 3400	1 12		N/A Future Construction Planned	Repair Completed BA	N/A 12 Months
1/26/10	4600 UPCHURCH ROAD		JW First Creek	7	MH 2 MH 45	Heavy rainfall in the area resulted in high flows in the collection system.	105	1		Construction Completed	N/A	N/A
2/5/10	2430 HIGHLAND DRIVE		JW First Creek	4	Lateral Cleanout	Blockage - Debris. The sewer main was flushed & area was cleaned.	2290	1.5		Future Construction Planned	BA	6 Months
2/12/10 2/19/10	8560 WESTLAND DRIVE 6410 S NORTHSHORE DRIVE		C Fourth Creek		Air Release Valve MH 8	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	4130 Unknown	1.5 Unknown		Construction Completed Construction Completed	N/A N/A	N/A N/A
3/19/10	5218 BENT RIVER BOULEVARD		C Fourth Creek		Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	22	3		N/A	Repair Completed	N/A N/A
3/19/10	6549 CREEKHEAD DRIVE		C Fourth Creek		MH 49-2	Blockage - Debris. The sewer main was flushed & area was cleaned.	2,030	0.5	✓	N/A	BA	12 Months
3/23/10	2004 NEYLAND DRIVE		JW Second Creek		MH 1	WWTP - Electrical Failure. Electricity was restored.	50000 10	0.05		Future Construction Planned	N/A Repair Completed	N/A
4/3/10 4/10/10	5236 BENT RIVER BOULEVARD 5246 BENT RIVER BOULEVARD		C Fourth 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.	5	3	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
4/10/10	5011 KINGSTON PIKE		C Fourth Creek		MH 58	Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	290	1.4		Construction Completed	N/A	N/A
5/3/10	2536 CECIL AVENUE	K	JW First Creek	18	MH 30-11	Heavy rainfall in the area resulted in high flows in the collection system.	4200	2.25	✓ ✓	Construction Completed	BA	6 Months
5/3/10	1411 DAVANNA STREET 3741 EAKERS STREET		JW Second Creek JW South Knoxvill		MH 8 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.	3600 450	3 2.5	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
E/3/40			C Fourth Creek		Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	450	2.5	~	N/A	Repair Completed	N/A N/A
5/3/10 5/6/10	5246 BENT RIVER BOULEVARD		C I DUITI CIEEK				10					
	5246 BENT RIVER BOULEVARD 5246 BENT RIVER BOULEVARD 5363 BENT RIVER BOULEVARD	F	C Fourth 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.	11 200	3	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A

			Private Property				Event occurred two or more		Short-Term Controls	
Date Stre 8/3/10	street Street 2641 MARYVILLE PIKE	Plant Watershed Basin KUW Knob Creek 45		Cause of SSO/KUB Response Grinder Pump Failure. Pump was repaired & the area was cleaned.	20 Volume (Gallons)	Duration (Hours)	times within 12 months	Long-Term Capital Project N/A	Blockage Abatement (BA) Repair Completed	BA Schedule N/A
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	,	Construction Underway	N/A	N/A
9/11/10 9/12/10	1411 DAVANNA STREET 5915 NEUBERT SPRINGS ROAD	KUW Second Creek 15 KUW Knob Creek 41	MH 8 Unnamed MH at Facility	Heavy rainfall in the area resulted in high flows in the collection system. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1000 294000	3.5	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
11/30/10	3410 BORIGHT DRIVE	KUW First Creek 8 KUW First Creek 18	MHs 45, 44, 43, 42, 41, 40 and 39	Heavy rainfall in the area resulted in high flows in the collection system.	12750	8	✓ ✓	Construction Underway	BA	6 Months
11/30/10 11/30/10	2536 CECIL AVENUE 2541 FAIR DRIVE	KUW First Creek 18 KUW First Creek 4		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 150	1	•	Construction Completed Future Construction Planned	BA N/A	6 Months N/A
11/30/10 12/1/10	1908 JEFFERSON AVENUE 5246 BENT RIVER BOULEVARD	KUW First Creek 24 FC Fourth Creek 43		Heavy rainfall in the area resulted in high flows in the collection system.	180	3	✓ ✓	Construction Completed N/A	N/A Repair Completed	N/A N/A
12/1/10	1411 DAVANNA STREET	KUW Second Creek 15	MH 8	Grinder Pump Failure. Pump was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	4700	3	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A	N/A
12/1/10 12/1/10	3741 EAKERS STREET 1500 LYONS BEND ROAD	KUW South Knoxville 40 FC Fourth Creek 37	MH 47 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.	1500 1840000	3 11.5		Construction Completed Construction Underway	N/A N/A	N/A N/A
12/3/10	1216 WATERCRESS DRIVE	KUW First Creek 7	MH 29-9	Heavy rainfall in the area resulted in high flows in the collection system.	1000	3	,	Construction Completed	BA	6 Months
1/1/2011 1/1/2011	1411 DAVANNA STREET 5011 KINGSTON PIKE	KUW Second Creek 15 FC Fourth Creek 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.	5,630	3	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
1/1/2011 1/7/2011	1500 LYONS BEND ROAD 2526 E FIFTH AVENUE	FC Fourth Creek 37 KUW Williams Creek 19	MH 1 & MLSS Wetwell Lateral Cleanouts at 2522, 2524, 2526 & 2528 E. Fifth Avenue	Heavy rainfall in the area resulted in high flows in the collection system.	<u>380,000</u> 900	2.82	✓	Construction Underway N/A	N/A BA/Grease Control	N/A 12 Months
1/7/2011	5915 NEUBERT SPRINGS ROAD	KUW Knob Creek 41	Unnamed MH at Facility	Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	224,000	4.4	✓	Construction Completed	N/A	N/A
1/8/2011 1/12/2011	2726 WILSON AVENUE 3922 NERVA ROAD	KUW Williams Creek 19 KUW Second Creek 10	MH 8-1 MH 17-78	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	760 300	1.5		N/A N/A	BA/Grease Control BA/Grease Control	12 Months 6 Months
1/20/2011	5405 GREEN VALLEY DRIVE	LC Loves Creek 26	Air Release Valve	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	20	0.5	√	Construction Completed	N/A	N/A
1/24/2011 1/24/2011	5926 ANTIGUA LANE 500 MIMOSA AVENUE	KUW Third Creek 11 KUW South Knoxville 40	MH 22-11 MH 1-85	Broken System - Offset Joint. The sewer main was repaired & the area was cleaned. Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	500 10,000	5		N/A N/A	Repair Completed Repair Completed	N/A N/A
1/25/2011 1/26/2011	5235 BENT RIVER BOULEVARD 117 SIXTEENTH STREET	FC Fourth Creek 43 KUW Second Creek 23		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		N/A N/A	Repair Completed Repair Completed	N/A N/A
1/27/2011	3914 ROBERTS ROAD	EB Eastbridge 113		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	375	2		N/A	Repair Completed	N/A
1/31/2011 2/6/2011	4216 VALENCIA ROAD 1908 EDGEWOOD AVENUE	KUW Third Creek 38 KUW First Creek 16		Blockage - Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	65 180	2		N/A N/A	BA Repair Completed	6 Months N/A
2/15/2011	3413 KINGSTON PIKE	KUW Third Creek 29	Temporary Sewer Main	Construction Failure - A failed connection on a temporary system was repaired & the area was cleaned.	25	1		Construction Completed	N/A	N/A
2/15/2011 2/15/2011	6140 KIRBURY LANE 2236 MARTIN LUTHER KING JR DRIVE	FC Fourth Creek 33 KUW First Creek 24		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	10	1		N/A N/A	BA BA/Grease Control	12 Months 6 Months
2/16/2011 2/16/2011	5720 ASHEVILLE HIGHWAY 604 BEN HUR AVENUE	LC Loves Creek 20 KUW Williams Creek 25	MH 11-3	Blockage - Roots. The sewer main was flushed & area was cleaned.	2,300 500	3 1.5		N/A N/A	Repair Completed BA	N/A 6 Months
2/16/2011	512 FLENNWOOD WAY	KUW South Knoxville 39	Abandoned Lateral Cleanout MH 61	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	3,200	3		N/A N/A	BA/Grease Control	6 Months
2/17/2011 2/23/2011	850 TALLY HO DRIVE 1932 OLD AMHERST ROAD	KUW South Knoxville 39 FC Fourth Creek 27	MH 62-21 Lateral Cleanout	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	150 3,000	1		N/A Construction Completed	BA/Grease Control BA/Grease Control	9 Months 12 Months
2/23/2011	6505 VINTAGE DRIVE	KUW Third Creek 11	MH 48-38	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	150	1	•	N/A	BArGrease Control	12 Months
2/24/2011 2/25/2011	1204 PICKWICK ROAD 1124 DELAWARE AVENUE	LC Loves Creek 26 KUW Second Creek 15	Lateral Cleanout MH 21-53	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	<u>30</u> 500	1 2		N/A N/A	BA/Grease Control BA/Grease Control	12 Months 6 Months
2/28/2011	3218 AVONDALE AVENUE	KUW First Creek 8	MH 22-33, Broken Lateral & BBU at 3218 & 3220 Avondale Avenue BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.	1,500	3		N/A	BA/Grease Control	12 Months
2/28/2011 2/28/2011	2536 CECIL AVENUE 2500 CEDAR LANE	KUW First Creek 18 KUW First Creek 4		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.	410,000 500	3	√	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
2/28/2011	1411 DAVANNA STREET 113 DRINNEN AVENUE	KUW Second Creek 15	MH 8	Heavy rainfall in the area resulted in high flows in the collection system.	5,800,000	4	√	Construction Completed	N/A N/A	N/A N/A
2/28/2011 2/28/2011	1127 E MOODY AVENUE	KUW South Knoxville 39 KUW South Knoxville 40	MHs 28-26 & 28-27 MH 40-3	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.	600 600	2		Construction Completed Construction Completed	N/A N/A	N/A N/A
2/28/2011 2/28/2011	4014 HOLSTON HILLS ROAD 1500 LYONS BEND ROAD	LC Loves Creek 26 FC Fourth Creek 37	MHs 72 &75 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.	295,000 590,000	3 5.75	✓ ✓	Future Construction Planned Construction Underway	N/A N/A	N/A N/A
2/28/2011	4800 MALONEYVILLE ROAD	EB Eastbridge 109	Bar Screen	Heavy rainfall in the area resulted in high flows in the collection system.	3,750	1.25		Construction Completed	BA	3 months
2/28/2011 2/28/2011	2640 MORGAN CIRCLE 2004 NEYLAND DRIVE	KUW Third Creek 35B KUW Second Creek 35A		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.	1,500 360,000	3 0.5	✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
2/28/2011	923 OAKLETT DRIVE 2008 RIVERSIDE DRIVE	KUW Second Creek 5	Wetwell	Heavy rainfall in the area resulted in high flows in the collection system.	9,000	1.5	✓	Construction Completed	N/A	N/A
2/28/2011 2/28/2011	815 S CENTRAL STREET	KUW Williams Creek 25 KUW First Creek 30	MH 3-7	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.	720,000	8	•	Future Construction Planned Construction Underway	N/A N/A	N/A N/A
2/28/2011 2/28/2011	2102 WASHINGTON AVENUE 3814 WOODLAKE DRIVE	KUW First Creek 24 KUW First Creek 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.	<u>190,000</u> 400	4	√	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/1/2011	3741 EAKERS STREET	KUW South Knoxville 40	MH 47	Heavy rainfall in the area resulted in high flows in the collection system.	67,500	3	√	Construction Completed	N/A	N/A
3/1/2011 3/1/2011	1521 FAIRMONT BOULEVARD 5205 HAYNES-STERCHI ROAD	KUW First Creek 16 KUW Second Creek 5	Temporary Lateral Connection 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.	500	1		Construction Completed N/A	N/A BA	N/A 3 Months
3/1/2011	600 N GALLAHER VIEW ROAD 1940 OLD AMHERST ROAD	FC Fourth Creek 32A		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	2	✓ ✓	Future Construction Planned	N/A	N/A N/A
3/1/2011 3/1/2011	2415 TECOMA DRIVE	FC Fourth Creek 27 KUW First Creek 8	MH 22-117 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 60	3	v	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/1/2011 3/1/2011	411 W BAXTER AVENUE 7927 W CLIFF DRIVE	KUW Second Creek 23 FC Fourth Creek 32A		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	800.000 50	4		Construction Completed N/A	N/A BA	N/A 6 Months
3/2/2011	781 BAGWELL ROAD	LC Loves Creek 63	Pump Station	Heavy rainfall in the area resulted in high flows in the collection system.	576,000	12		N/A	Repair Completed	N/A
3/2/2011 3/2/2011	3011 E GOV JOHN SEVIER HIGHWAY 5508 GREEN VALLEY DRIVE	KUW Riverdale 65 LC Loves Creek 26	Pump Station Broken Force Main	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.	21,600 2,025	3	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/2/2011	2430 HIGHLAND DRIVE 4600 UPCHURCH ROAD	KUW First Creek 4	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.	120	2		Future Construction Planned	N/A	N/A
3/2/2011 3/3/2011	400 UPCHURCH ROAD 4105 CENTRAL AVENUE PIKE	KUW First Creek 7 KUW Second Creek 10		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 Completed	N/A N/A	N/A N/A
3/3/2011	1216 WATERCRESS DRIVE	KUW First Creek 7		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓ ✓	Construction Completed	N/A	N/A
3/4/2011 3/6/2011	304 SEVENTH AVENUE 2536 CECIL AVENUE	KUW First Creek 18 KUW First Creek 18		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	1 3	✓ ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
3/7/2011	4420 ALTA VISTA WAY	KUW Third Creek 38		Blockage - Debris. The sewer main was flushed & area was cleaned.	13,000	2	4	N/A	BA	12 Months
3/7/2011 3/7/2011	6540 CREEKHEAD DRIVE 243 GILBERT LANE	FC Fourth Creek 32A KUW South Knoxville 40		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 BA/Grease Control	12 Months 6 Months
3/9/2011	2536 CECIL AVENUE	KUW First Creek 18		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 3/9/2011	5405 GREEN VALLEY DRIVE 1500 LYONS BEND ROAD	LC Loves Creek 26 FC Fourth Creek 37		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	150 160,000	2.38	✓ ✓	Construction Completed Construction Underway	N/A N/A	N/A N/A
3/10/2011	600 N GALLAHER VIEW ROAD	FC Fourth Creek 32A		Heavy rainfall in the area resulted in high flows in the collection system.	468,000	39	√	Future Construction Planned	N/A	N/A
3/10/2011 3/12/2011	2377 NEYLAND DRIVE 1218 GLADE HILL DRIVE	KUW Third Creek 35B LC Loves Creek 32A		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	Unknown 670	Unknown 2.5		Future Construction Planned N/A	N/A BA/Grease Control	N/A 12 Months
3/12/2011	1712 POLKWRIGHT LANE 1716 POLKWRIGHT LANE	FC Fourth Creek 37	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A N/A	Repair Completed	N/A N/A
3/13/2011 3/17/2011	6410 S NORTHSHORE DRIVE	FC Fourth Creek 37 KUW Fourth Creek 37		Grinder Pump Failure. Pump was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	5 Unknown	1 Unknown		Construction Completed	Repair Completed N/A	N/A N/A
3/19/2011	123 INGERSOLL AVENUE	KUW South Knoxville 39		Blockage - Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	12	1	./	N/A	BA	6 Months
3/22/2011 3/24/2011	4713 OLD BROADWAY 409 N BELLEMEADE AVENUE	KUW First Creek 7 KUW Third Creek 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.	Unknown 300	Unknown 1	✓ ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
3/29/2011	702 REDWINE STREET	KUW South Knoxville 39	MH 5	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	100	0.25		N/A	Repair Completed	N/A
4/4/2011 4/5/2011	2641 MARYVILLE PIKE 4228 CROSBY DRIVE	KUW Knob Creek 45 KUW Third Creek 28		Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	10 75	1		N/A N/A	Repair Completed BA	N/A 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 First Creek 18 KUW Third Creek 34		Blockage - Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	300 10	4 2		N/A N/A	BA Repair Completed	12 Months N/A
4/16/2011	3410 BORIGHT DRIVE	KUW First Creek 8	MHs 43 & 44	Heavy rainfall in the area resulted in high flows in the collection system.	2,250	4	✓ /	Construction Underway	N/A	N/A
4/16/2011 4/16/2011	2536 CECIL AVENUE 4100 CENTRAL AVENUE PIKE	KUW First Creek 18 KUW Second Creek 10		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.	24,000 800	5 4	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/16/2011	1411 DAVANNA STREET	KUW Second Creek 15	MH 8	Heavy rainfall in the area resulted in high flows in the collection system.	1,350	1	1	Construction Completed	N/A	N/A
4/16/2011 4/16/2011	3741 EAKERS STREET 2544 FAIR DRIVE	KUW South Knoxville 40 KUW First Creek 4		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.	1,900	1	✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
4/16/2011	1500 LYONS BEND ROAD	FC Fourth Creek 37	MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	350,000	2.82		Construction Underway	N/A	N/A
4/16/2011 4/16/2011	600 N GALLAHER VIEW ROAD 2004 NEYLAND DRIVE	FC Fourth Creek 32A KUW Second Creek 35A		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.	264,000 20,000	22 0.18	√ √	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/16/2011 4/16/2011	4713 OLD BROADWAY	KUW Second Creek 35A KUW First Creek 7		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.	20,000 24,500	0.18	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/16/2011	2004 RIVERSIDE DRIVE	KUW Williams Creek 31	MH 1-1	Heavy rainfall in the area resulted in high flows in the collection system.	2,000	1	✓	Future Construction Planned	N/A	N/A
		KUW Third Creek 11	MH 11-157	Heavy rainfall in the area resulted in high flows in the collection system.	750	1		Construction Completed	N/A	N/A
4/16/2011 4/16/2011	4421 ROYALVIEW ROAD 6410 S NORTHSHORE DRIVE			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	4421 ROYALVIEW ROAD 6410 S NORTHSHORE DRIVE 3814 WOODLAKE DRIVE 304 SEVENTH AVENUE		MH 8 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. Heavy rainfall in the area resulted in high flows in the collection system.	19,000 20 200	5 1 1	✓ ✓ ✓	Construction Completed Construction Completed Future Construction Planned	N/A N/A N/A	N/A N/A N/A

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Date	Street # Street	Plant		tershed	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
4/18/2011		KUW		rd Creek	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	1	✓	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
/21/2011 /24/2011	4505 MIDDLEBROOK PIKE 3901 BONNIE VIEW AVENUE	LC		rd Creek es Creek	21 20	MHs 16-48 & 2 Unnamed Manholes MH 74-8		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	72,000 50	2		N/A	BA/Grease Control	6 Months
28/2011			Sou	n Knoxville		MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	√ 	Construction Completed	N/A	N/A
28/2011		FC FC		rth Creek rth Creek	37 32A	MH 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.	680,000 36,000	5.82	✓ ✓	Construction Underway Future Construction Planned	N/A N/A	N/A N/A
28/2011		FC	-	rth 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	N/A N/A
/28/2011	304 SEVENTH AVENUE	KUW		st Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	5	1	√	Future Construction Planned	N/A	N/A
/28/2011 /28/2011		KUW	-	ond Creek rd Creek	15 9	MH 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.	1,000	1	√	Construction Completed N/A	N/A Repair Completed	N/A N/A
/29/2011		FC		rth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.25		N/A	Repair Completed	N/A
/29/2011		FC		rth Creek	36	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	57,000	2		N/A Construction Completed	Repair Completed	N/A
5/2/2011 5/9/2011	2639 LOUISE AVENUE	KUW		rd Creek ams Creek	38	MH 1-115 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.	100 540.000	6 24		N/A	N/A BA/Grease Control	N/A 12 Months
5/9/2011	1728 POLKWRIGHT LANE	FC		rth 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		rd Creek rth 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	2		N/A N/A	Repair Completed Repair Completed	N/A N/A
5/15/2011	5715 ELDRIDGE ROAD	KUW		st Creek	3	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	125	2		N/A	BA	12 Months
5/25/2011		KUW		rd Creek	38	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
6/2/2011 6/6/2011	1216 GLENOAKS DRIVE 2305 CLINCH AVENUE	KUW KUW		st Creek rd Creek	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	-	ond 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 5/11/2011	814 W FOURTH AVENUE 4304 ROBERTS ROAD	KUW EB		ond Creek stbridge	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	1.5		N/A N/A	BA Repair Completed	12 Months N/A
6/14/2011				st Creek	24	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	7,800	2.5		N/A	Repair Completed	N/A
6/17/2011		KUW		ob Creek	41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	200	0.16		Construction Completed Construction Underway	N/A	N/A
6/24/2011 6/24/2011	3621 BORIGHT DRIVE 1411 DAVANNA STREET	KUW	-	st Creek and Creek	8	MH 45 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.	400	3	↓ ✓	Construction Onderway Construction Completed	N/A N/A	N/A N/A
6/24/2011	1722 POLKWRIGHT LANE	FC		rth Creek	37	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.08		N/A	Repair Completed	N/A
6/24/2011		KUW		st Creek	7	MH 29-9 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.	60	1	√ √	Construction Completed	N/A N/A	N/A N/A
6/25/2011 6/29/2011		LC		st Creek es Creek	18 26	MH 15 MH 72		Heavy rainfall in the area resulted in high flows in the collection system.	200 200	1	× · · · · · · · · · · · · · · · · · · ·	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
6/29/2011	5014 JACKSBORO PIKE	KUW	/ Fi	st Creek	4	MH 13-101		Heavy rainfall in the area resulted in high flows in the collection system.	200	1		Future Construction Planned	N/A	N/A
7/2/2011	5936 MONTINA ROAD	KUW		rd Creek ams Creek	9	MHs 17-212 & 17-210 MH 31		Blockage - Debris. The sewer main was flushed & area was cleaned.	3,300	4		N/A N/A	BA BA/Grease Control	12 Months 3 Months
7/7/2011 7/7/2011	800 GRAVES STREET 2004 RIVERSIDE DRIVE			ams Creek ams Creek		MH 31 MH 1-1		Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	500 1,000	1	✓	Future Construction Planned	N/A	3 Months N/A
7/11/2011		KUW		st Creek	7	MH 28-1		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Completed	N/A	N/A
7/13/2011 7/20/2011		KUW		ob Creek rd 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	Fo	rth 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 8/4/2011	5910 MEADOW OAKS LANE 701 WORLDS FAIR PARK DRIVE	KUW		ob Creek and Creek	41 23	Broken Force Main MH 19-9		Broken System - Broken Force Main. Force main was repaired & the area cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	1,000 300	1		N/A Construction Completed	Repair Completed N/A	N/A N/A
8/11/2011		LC	-	es Creek	20	MH 13-3 MH 61-8		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.25	✓	Construction Completed	BA	6 Months
8/15/2011	110 SIXTEENTH STREET	KUW	/ Sec	ond Creek	23	MH 21-177		Blockage - Debris. The sewer main was flushed & area was cleaned.	200	1		N/A	BA	12 Months
8/22/2011 8/24/2011		FC FC		rth Creek rth 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	Repair Completed	12 Months N/A
9/1/2011	6235 RUTLEDGE PIKE			es Creek	105	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	1		N/A	Repair Completed	N/A
9/5/2011 9/5/2011	1308 ADAIR DRIVE 1903 JEFFERSON AVENUE	KUW		st Creek	7 24	Lateral Cleanout 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.	500 2,700	5	4	Construction Completed	N/A N/A	N/A N/A
9/5/2011	1500 LYONS BEND ROAD	FC		st Creek rth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,240,000	17.35	✓ ✓	Construction Completed Construction Underway	N/A N/A	N/A
9/6/2011	5011 KINGSTON PIKE	KUW	/ Th	rd 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 9/7/2011	6410 S NORTHSHORE DRIVE 2111 MOHAWK AVENUE	FC		rth Creek ams 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	✓	Construction Completed N/A	N/A BA/Grease Control	N/A 12 Months
9/9/2011	5246 BENT RIVER BOULEVARD	FC		rth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5,400	2	✓	N/A N/A	Repair Completed	N/A
9/9/2011	1216 WATERCRESS DRIVE	non		st Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	~	Construction Completed	N/A	N/A
10/1/2011 10/1/2011		LC EB		es Creek stbridge	6 113	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	1 0.5		N/A N/A	BA Repair Completed	12 Months N/A
10/3/2011	1915 LYONS BEND ROAD	FC	Fo	rth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	0.5		N/A	Repair Completed	N/A
0/17/2011		EB KUW		stbridge st Creek	113 4	Grinder Pump MH 35-25		Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1 50	0.25	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
11/2/2011	409 N WINSTON ROAD	FC		rth Creek	32B	MH17-1		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	2		N/A	Repair Completed	N/A
11/5/2011 11/6/2011		FC FC		rth Creek rth Creek	36 32A	MH 3-325 Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	100 62,000	3 72 Hours Intermittently		N/A N/A	BA BA/Grease Control	12 Months 12 Months
1/12/2011				es Creek	26	MH 72-152		Blockage - Grease. The sewer main was flushed & area was cleaned.	250	2		N/A N/A	BA/Grease Control	12 Months
1/16/2011	1 1908 JEFFERSON AVENUE	KUW	/ Fi	st Creek	24	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	<i>✓</i>	Construction Completed	N/A	N/A
1/16/2011		KUW KUW		st Creek rd Creek	7 22	MH 29-9 2 Lateral Cleanouts		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	200 900	1	~	Construction Completed N/A	N/A BA	N/A 12 Months
1/22/2011		KUW	/ Fi	st Creek	8	Unnamed MH		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	1,500	2		N/A N/A	Repair Completed	N/A
1/23/2011				rd Creek	21 27	MH 10-85 MH 9-21		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	300 40	3		N/A N/A	BA BA/Crosse Central	6 Months 6 Months
1/23/2011 1/26/2011				rth Creek rth Creek	43	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	200	2		N/A N/A	BA/Grease Control Repair Completed	N/A
1/28/2011	1 2110 ATCHLEY STREET	KUW	Sou	n Knoxville	40	MH 1-80		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	100	2		N/A	Repair Completed	N/A
1/28/2011 1/28/2011		FC KUW		rth Creek st Creek	37	MH 1 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.	398,650 150	6.42	✓ ✓	Construction Underway Construction Completed	N/A N/A	N/A N/A
12/4/2011		KUW		rd Creek	38	Broken Gravity Main		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	3,500	1		N/A	BA	12 Months
12/4/2011	3319 FOUNTAIN PARK BOULEVARD	KUW	/ Fi	st Creek	18	MH 72		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	325	4.5		N/A	BA/Grease Control	12 Months
2/10/2011 2/10/2011		KUW KUW		ams Creek st Creek	19	Grinder Pump Grinder Pump & BBU	BBU	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned. Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	10	1		N/A N/A	Repair Completed Repair Completed	N/A N/A
2/10/2011 2/13/2011		KUW	/ Th	rd Creek	35B	MH 18-3	000	Blockage - Debris. The sewer main was flushed & area was cleaned.	650	1		N/A N/A	BA	12 Months
2/24/2011	1 5347 BENT RIVER BOULEVARD	FC	Fo	rth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A Construction Completed	Repair Completed	N/A
2/29/2011 2/31/2011				ond Creek st Creek	15 4	Lateral Cleanout Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	25 375	1 2		Construction Completed Construction Completed	N/A N/A	N/A N/A
1/1/2012	5355 BENT RIVER BOULEVARD	FC	Fo	rth Creek	43	Grinder Pump		Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	15	2		N/A	Repair Completed	N/A
1/3/2012 1/15/2012		FC		rd Creek rth Creek	34 42	Bypass System Force Main Valve		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	50 1,800	0.1 2.5	✓	Construction Completed N/A	Repair Completed Repair Completed	N/A N/A
1/23/2012	1908 JEFFERSON AVENUE			st Creek		eanouts at 1907, 1908, & 1909 Jefferson Ave		Heavy rainfall in the area resulted in high flows in the collection system.	150	0.5	✓	Construction Completed	N/A	N/A
1/23/2012		KUW FC		st Creek	18 37	MH 40 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.	750 40,000	4 0.08		N/A Construction Underway	Repair Completed N/A	N/A N/A
1/23/2012		FC KUW		rth Creek st Creek	3/	MH 1 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.	40,000	0.08	· · · · · · · · · · · · · · · · · · ·	Construction Underway Construction Completed	N/A N/A	N/A N/A
1/23/2012	3148 WILDERNESS ROAD	KUW	/ Fi	st Creek	18	MH 51 & 52		Heavy rainfall in the area resulted in high flows in the collection system.	3,000	4		N/A	Repair Completed	N/A
1/24/2012				h Knoxville		MH 47 aral Cleanout & BBLL at 312 Kensi Drive	BBU	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown 225	Unknown 2	✓	Construction Completed	N/A BA	N/A 6 Months
1/25/2012 1/29/2012				ond Creek	10 Late	eral Cleanout & BBU at 312 Kensi Drive MH 97-44	Udd	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	325 25	3		N/A N/A	BA	6 Months 6 Months
1/31/2012	2015 NEYLAND DRIVE	KUW	/ Th	rd Creek	35B	Dewatering Containment		Construction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned.	25	0.25		Future Construction Planned	Repair Completed	N/A
2/2/2012 2/7/2012	7218 WASHINGTON PIKE 4505 MIDDLEBROOK PIKE			stbridge rd Creek	109 21	Grinder Pump Dewatering Containment		Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned.	30 150	1.5 0.1		N/A N/A	Repair Completed Repair Completed	N/A N/A
2/8/2012	736 GREENMEADOWS DRIVE	KUW	/ Kr	ob Creek	41	MH 24-1		Blockage - Grease. The sewer main was flushed & area was cleaned.	250	8		N/A	BA/Grease Control	12 Months
2/8/2012 2/9/2012	5760 SANDIS LANE 1613 WANDERING ROAD	LC KUW		es Creek rd Creek	20	Broken Force Main MH 52-3		Broken System - Broken Force Main. Force main was repaired & the area cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	7,000 200	9		N/A N/A	Repair Completed BA/Grease Control	N/A 12 Months
2/9/2012	1421 N BROADWAY	KUW		st Creek	18	MH 3-25		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	200	1.5		N/A N/A	BA/Grease Control	6 Months
2/23/2012	2715 MARYVILLE PIKE	KUW	Kr	ob Creek	45	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	60	1		N/A	Repair Completed	N/A
2/28/2012 3/1/2012		FC LC		rth Creek es Creek	43 26	Grinder Pump MH 65-131		Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	10 60	1.5 1	✓	N/A N/A	Repair Completed BA	N/A 12 Months
3/7/2012	1500 LYONS BEND ROAD	FC	Fo	rth Creek	37	MH 1		WWTP - Electrical Failure. Electricity was restored.	97,300	0.45	√	N/A	Repair Completed	N/A
3/7/2012	312 NINETEENTH AVENUE	KUM		rd Creek	29	Floor Drain and BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	35	0.75	1	N/A	BA	9 Months

Date	Street # Street	Plant		atershed	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
/9/2012	8537 ASHEVILLE HIGHWAY 4901 BALL CAMP PIKE	EB		astbridge iird Creek	72 MH 21-16 12 Lateral Cleanout	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	400 2,500	2 4.5		N/A N/A	BA	12 Months 9 Months
12/2012	1711 TRANSPORT WAY	LC	Lo	ves Creek	105 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	0.25		N/A	Repair Completed	N/A
3/2012 30/2012	929 KEOWEE AVENUE 5363 BENT RIVER BOULEVARD	KUW FC		urth Creek	38 Broken Gravity Main 43 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
31/2012 2/2012	5218 BENT RIVER BOULEVARD 1909 JEFFERSON AVENUE	FC KUW	Fo	urth Creek rst Creek	43 Grinder Pump 24 Lateral Cleanout	Grinder Pump Failure. Pump was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	5 40	0.5		N/A Construction Completed	Repair Completed	N/A N/A
5/2012	1216 WATERCRESS DRIVE	KUW		rst Creek	7 MH 29-9	Heavy rainfall in the area resulted in high flows in the collection system.	200	2	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A N/A	N/A
7/2012	1925 AILOR AVENUE	KUW		ird Creek	29 Lateral Cleanout	Blockage - Debris. The sewer main was flushed & area was cleaned.	200	1		N/A N/A	BA	12 Months
7/2012 9/2012	2304 WOODS CREEK ROAD 5603 SUMMER GROVE LANE	LC FC		ves Creek urth Creek	105 Grinder Pump 49 MH 19-63	Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A	Repair Completed BA	N/A 12 Months
28/2012 28/2012	1816 STERCHI STREET 6532 WESTSIDE DRIVE	KUW FC		ird Creek urth Creek	22 MH 11-44 32a MH 49-5	Blockage - Debris. The sewer main was flushed & area was cleaned. Vandalism. Blockage was removed & the area was cleaned.	30 66.000	1		N/A N/A	BA Repair Completed	6 Months N/A
3/2012	2010 CUMBERLAND AVENUE	KUW		ird Creek	35b Unconnected Lateral	Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	50	1.5		N/A	Repair Completed	N/A
0/2012 2/2012	3560 TALAHI DRIVE 403 W OLDHAM AVENUE	KUW		ond Creek	38 Lateral Cleanout 15 Unnamed Manhole	Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	400 47,000	3		N/A N/A	BA Repair Completed	9 Months N/A
14/2012	4600 UPCHURCH ROAD	KUW	/ Fi	rst Creek	7 MH 45	Heavy rainfall in the area resulted in high flows in the collection system.	50	1		Construction Completed	N/A	N/A
14/2012 15/2012	1216 WATERCRESS DRIVE 2015 NEYLAND DRIVE	KUW KUW		rst Creek ird Creek	7 MH 29-9 35b #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.	100	0.33	✓ ✓	Construction Completed Future Construction Planned	N/A Repair Completed	N/A N/A
25/2012	4601 SEMINOLE ROAD	KUW		rst Creek	7 Broken Gravity Main	Blockage - Debris. The sewer main was flushed & area was cleaned.	3,800	2	✓	Construction Completed	N/A DA/Crassa Control	N/A 6 Months
4/2012 1/2012	5412 MAYWOOD ROAD 5745 GOLDENROD CIRCLE	KUW KUW		ird Creek ird Creek	12 MHs 20-16 & 20-20 11 MH 11-20	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/Grease Control BA	12 Months
3/2012 8/2012	4800 MALONEYVILLE ROAD 2111 MOHAWK AVENUE	EB		astbridge iams Creek	109 Wetwell 25 MH 4-2	Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,800	1	~	Construction Completed N/A	N/A Repair Completed	N/A N/A
9/2012	781 BAGWELL ROAD	LC	Lo	ves Creek	63 Broken Force Main	Broken System - Broken Force Main. Force main was repaired & the area cleaned.	125	2		N/A	Repair Completed	N/A
9/2012 13/2012	4800 MALONEYVILLE ROAD 914 PINEY GROVE CHURCH ROAD	EB FC		astbridge urth Creek	109 Wetwell 27 MH 49-110	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	50 2,800	1 3	✓	Construction Completed N/A	N/A BA	N/A 12 Months
6/2012	2800 SELMA AVENUE	KUW	/ Will	iams Creek	19 MH 2-65	Blockage - Debris. The sewer main was flushed & area was cleaned.	350	1		N/A Construction Completed	BA	12 Months
8/2012 0/2012	1216 WATERCRESS DRIVE 1620 EDGEWOOD AVENUE	KUW		rst Creek rst Creek	7 MH 29-9 16 Lateral Cleanout	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	400	1	•	Construction Completed N/A	N/A Repair Completed	N/A N/A
0/2012	516 N BEAMAN STREET	LC		ves Creek	20 MH 61-8	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	 ✓ 	Construction Completed	N/A	N/A
2/2012 7/2012	3616 KEITH AVENUE 524 BEN HUR AVENUE	KUW		ird Creek iams Creek	39 MH 15-145 25 Broken Lateral & BBU	Blockage - Debris. The sewer main was flushed & area was cleaned. BBU Blockage - Debris. The sewer main was flushed & area was cleaned.	50 60	1 2		N/A N/A	BABA	6 Months 6 Months
7/2012 0/2012	8035 WASHINGTON PIKE 423 BUSBEE ROAD	EB		astbridge th Knoxville	113 Grinder Pump 40 MH 47-94	Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	5 25	1 2		N/A N/A	Repair Completed Repair Completed	N/A N/A
4/2012	4300 ROBERTS ROAD	EB	E	astbridge	113 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	2		N/A	Repair Completed	N/A
7/2012	4600 CHAPMAN HIGHWAY 1309 ADAIR DRIVE	KUW KUW		th Knoxville rst Creek	39 MHs 81 & 82 7 MH 28	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.	4,900 2,000	6		N/A Construction Completed	Repair Completed	N/A N/A
8/2012	517 BERNARD AVENUE	KUW	/ Sec	ond 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
3/2012 3/2012	961 E FORD VALLEY ROAD 3741 EAKERS STREET	KUW		th Knoxville	41 Wetwell 40 MH 47-103	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	97,500 2,000	2.5		Construction Completed Construction Completed	N/A N/A	N/A N/A
8/2012	1903 JEFFERSON AVENUE	KUW		rst Creek	24 MH 25-18	Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
8/2012 8/2012	1500 LYONS BEND ROAD 5915 NEUBERT SPRINGS ROAD	FC KUW		urth Creek	37 MH 1 41 MH 18-1	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	1,823,600 90,000	8.5	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
8/2012	2004 NEYLAND DRIVE			cond Creek	35a MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	100,000	0.25	 ✓ 	Future Construction Planned	N/A	N/A
8/2012 8/2012	2004 RIVERSIDE DRIVE 6410 S NORTHSHORE DRIVE			iams Creek urth Creek	31 MH 1-1 37 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.	200,000 40,000	6	✓ ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
8/2012	5760 SANDIS LANE	LC	Lo	ves Creek	20 MH 1	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1,000,800	2		N/A	Repair Completed	N/A
9/2012 1/2012	5219 BENT RIVER BOULEVARD 2441 LINDEN AVENUE			urth Creek iams Creek	43 Grinder Pump & BBU 19 MH 5-240	BBU Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	103 250	1	✓	N/A N/A	Repair Completed BA/Grease Control	N/A 12 Months
5/2012 3/2012	5219 BENT RIVER BOULEVARD 4205 DRIFTING DRIVE	FC KUW	Fo	urth Creek iird Creek	43 Grinder Pump & BBU 13 MH 31-19	BBU Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	25 200	0.33	✓	N/A N/A	Repair Completed BA/Grease Control	N/A 12 Months
1/2012	3902 OAKLAND DRIVE	KUW	/ Fi	rst Creek	2 Lateral Cleanout	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,100	1		N/A	BA	6 Months
5/2012 8/2012	2015 NEYLAND DRIVE 5032 LYONS VIEW PIKE			urth Creek	35b Broken Force Main 37 Grinder Pump	Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	100	1	✓	Future Construction Planned N/A	Repair Completed Repair Completed	N/A N/A
12/2012	521 TALIWA DRIVE			th Knoxville	e 40 Broken Gravity Main	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	3		N/A	Repair Completed	N/A
15/2012 16/2012	108 CARON DRIVE 1219 HILTON ROAD	KUW		ond Creek	5 MH 16-57 21 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 Months 9 Months
16/2012 20/2012	409 N BELLEMEADE AVENUE 313 FORESTAL DRIVE	KUW KUW		ird Creek rst Creek	28 MH 3-53 8 MH 7-72	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	35 100	1	√	Construction Completed	N/A BA	N/A 12 Months
/22/2012	5253 BENT RIVER BOULEVARD	FC	Fo	urth Creek	43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	2	1		N/A	Repair Completed	N/A
24/2012	5408 GREEN VALLEY DRIVE 4500 E END ROAD	LC KUW		ves Creek th Knoxville	26 Air Release Valve 39 Lateral Cleanout	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	50 20	0.25		N/A N/A	Repair Completed BA	N/A 12 Months
/5/2012	4923 BALL ROAD	FC	Fo	urth Creek	49 Broken Force Main	Broken System - Broken Force Main. Force main was repaired & the area cleaned.	28,500	8	√	N/A	Repair Completed	N/A
5/2012 8/2012	8455 STRAWBERRY PLAINS PIKE 5219 BENT RIVER BOULEVARD			astbridge urth Creek		BBU Crostruction Failure - Dig-In. Force main was repaired & the area was cleaned. BBU Grinder Pump Failure. Pump was repaired & the area was cleaned.	460	4	✓ <i>✓</i>	N/A N/A	Repair Completed Repair Completed	N/A N/A
15/2012 18/2012	4517 N WAHLI DRIVE 4315 CLINTON HIGHWAY	KUW	/ Fi	rst Creek cond Creek	7 MH 39	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	725 2,050	2	√	Construction Completed N/A	BA	12 Months 12 Months
24/2012	7920 WASHINGTON PIKE	EB	E	astbridge	113 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.5	√	N/A	Repair Completed	N/A
26/2012 30/2012	5016 WILFORD ROAD 5032 LYONS VIEW PIKE			ond Creek	5 MH 2 37 Grinder Pump	Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	750	1	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
/9/2012	1814 E GLENWOOD AVENUE	KUW	/ Fi	rst Creek	24 MH 25-49	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	410	3		Construction Completed	BA/Grease Control	6 Months
12/2012 20/2012	5704 WAYNEWOOD ROAD 3006 CORAM STREET			cond Creek	5 MH 16-22 14 MH 10-27 & Lateral Cleanout at 222 Radford Place & BBU	Blockage - Roots. The sewer main was flushed & area was cleaned. BBU Blockage - Roots. The sewer main was flushed & area was cleaned.	360 1,550	2		N/A N/A	BA BA	9 Months 6 Months
7/2013 1/2013	1000 BAKER AVENUE 1705 COTTAGEWOOD WAY		/ Sou	th Knoxville urth Creek		Blockage - Roots. The sewer main was flushed & area was cleaned. Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	450 15	1		N/A N/A	BA Repair Completed	6 Months N/A
3/2013	7939 WASHINGTON PIKE	EB	E	astbridge	113 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
1/2013 1/2013	5829 BALL CAMP PIKE 3704 CHAPMAN HIGHWAY	KUW		ird Creek th Knoxville	11 MH 11-48 39 MHs 28-53 & 28-54	Blockage - Grease. The sewer main was flushed & area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	10,600 510	4		N/A N/A	BA/Grease Control Repair Completed	12 Months N/A
5/2013	3410 BORIGHT DRIVE	KUW	/ Fi	rst Creek	8 MHs 42, 43, & 44	Heavy rainfall in the area resulted in high flows in the collection system.	70,650	28	✓	Construction Underway	N/A	N/A N/A
5/2013 5/2013	2328 CEDAR LANE 1903 JEFFERSON AVENUE	KUW KUW		rst Creek rst Creek	4 MH 22-30 & BBU 24 MH 25-18	BBU 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.	11,655 75	2	√ √	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
5/2013	1500 LYONS BEND ROAD	FC	Fo	urth Creek	37 MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	4,285,300	36.26	✓ ✓	Construction Completed Construction Underway	N/A N/A	N/A N/A
5/2013 5/2013	2541 MITCHELL STREET 600 N GALLAHER VIEW ROAD	KUW EC		rst Creek urth Creek	18 MH 30-182 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.	317,000 11,324,000	120 116	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
/2013	2004 NEYLAND DRIVE	KUW	/ Sec	ond Creek	35a MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	18,440,000	19.83	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned	N/A N/A	N/A
5/2013 5/2013	4719 OLD BROADWAY 2004 RIVERSIDE DRIVE	KUW		rst Creek ams Creek	7 MH 2 31 MH 1-1	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.	16,320,000 628,000	91 28	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
/2013	5219 BENT RIVER BOULEVARD	FC	Fo	urth Creek	43 Grinder pump and BBU	BBU Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	· · · · · · · · · · · · · · · · · · ·	N/A	N/A Repair Completed	N/A N/A
/2013 /2013	2412 BERNHURST DRIVE 201 HERMITAGE DRIVE	KUW KUW		rst Creek ob Creek	4 MH 18-54 41 MH 66-69	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.	1,425 1,225	2		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
2013	4505 MIDDLEBROOK PIKE	KUW	/ Th	ird Creek	21 MHs 1 & 27-54	Heavy rainfall in the area resulted in high flows in the collection system.	10,000	12	✓	Future Construction Planned	N/A	N/A
/2013	6016 NEUBERT SPRINGS ROAD 6410 S NORTHSHORE DRIVE	EB FC		ob Creek urth Creek	41 MH 19 37 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.	10,000 5,800	53 4		Construction Completed Construction Completed	N/A N/A	N/A N/A
/2013	2541 FAIR DRIVE	KUW	/ Fi	rst Creek	4 MH 20-2	Heavy rainfall in the area resulted in high flows in the collection system.	13,900	4 48	✓ ✓	Future Construction Planned	N/A N/A	N/A N/A
7/2013 B/2013	6532 WESTSIDE DRIVE 3439 E MAGNOLIA AVENUE	FC LC	Fo	urth Creek ves Creek	32a MH 49-5 20 MH 61	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	1	✓	Future Construction Planned	N/A	N/A
3/2013	7920 WASHINGTON PIKE	EB		astbridge	113 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1	✓	Future Construction Planned N/A	N/A Repair Completed	N/A N/A
8/2013	2377 NEYLAND DRIVE 900 E HILL AVENUE	KUW		ird Creek	35b MH 4-54 31 MH 6-62	Heavy rainfall in the area resulted in high flows in the collection system.	300 180	1		Future Construction Planned	N/A	N/A
9/2013 0/2013	3412 BORIGHT DRIVE	KUW		ams Creek rst Creek	31 MH 6-62 8 MHs 43, 46-16, & Lateral Cleanout @ 3618 Boright Drive	Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	21,300	1 16	~	N/A Construction Underway	BA/Grease Control N/A	12 Months N/A
0/2013	2500 CEDAR LANE	KUW	/ Fi	rst Creek	4 Lateral Cleanout	Heavy rainfall in the area resulted in high flows in the collection system.	280	1	✓ ✓	Future Construction Planned	N/A	N/A
0/2013	2538 FAIR DRIVE 1903 JEFFERSON AVENUE	KUW		rst Creek rst Creek	4 MH 20-1 24 MH 25-18	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.	450 875	3	✓ ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
0/2013						Heavy rainfall in the area resulted in high flows in the collection system.	905,700	9.17				

| 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 Sche | | | | | | | |
 | | | | | | |

---|--|---
--|--|--|------------------------------|---|--|---|--
--
---|---|--|--|--|---
--|---|---|-----|---|--|---|---------------------------------------|---|---|--|
| 30/2013 25

 | 41 MITCHELL STREET | KUW |
 | 18 | MH 30-182 | Location | Heavy rainfall in the area resulted in high flows in the collection system. | 19,600 | 24 | umes within 12 monuts
√ | Future Construction Planned

 | N/A | N/A | | | | | | | |
 | | | | | | |
|

 | | KUW |
 | 31 | MH 1-1 | | Heavy rainfall in the area resulted in high flows in the collection system. | 13,100 | 14 | ✓
(| Future Construction Planned

 | N/A | N/A | | | | | | | |
 | | | | | | |
|

 | 00 N GALLAHER VIEW ROAD
00 CENTRAL AVENUE PIKE | FC | Fourth Creek
Second Creek
 | 32A
10 | MH 77
MH 17-9 | | 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. | 570,700
50 | 9 | ↓
↓ | Future Construction Planned
Construction Completed

 | N/A
N/A | N/A
N/A | | | | | | | |
 | | | | | | |
|

 | 09 N BELLEMEADE AVENUE | KUW |
 | 28 | MH 3-53 | | Heavy rainfall in the area resulted in high flows in the collection system. | 500 | 1 | · · · · · · · · · · · · · · · · · · · | Construction Completed

 | N/A | N/A | | | | | | | |
 | | | | | | |
|

 | 29 FIELDCREST LANE | KUW |
 | 4 | MH 13-118 | | Blockage - Debris. The sewer main was flushed & area was cleaned. | 510 | 1 | | N/A

 | BA | 6 Mon | | | | | | | |
 | | | | | | |
|

 | 111 BEVERLY ROAD
21 SAYLORS FORD ROAD | KUW
EB |
 | 2
115 East | MH 39-44
stbridge Wastewater Treatment Plant | | Heavy rainfall in the area resulted in high flows in the collection system.
WWTP - Mechanical Failure. Plant was reinstated. | 10
435 | 0.75 | | Construction Completed

 | N/A
Descie Completed | N/A | | | | | | | |
 | | | | | | |
|

 | 28 OAKLAND DRIVE | EB EB |
 | 115 East | Storidge Wastewater Treatment Plant
MH 39-6 | | Heavy rainfall in the area resulted in high flows in the collection system. | 435
Unknown | U.75
Unknown | | N/A
Construction Completed

 | Repair Completed
N/A | N/A
N/A | | | | | | | |
 | | | | | | |
| 2013 13

 | 23 TENNESSEE AVENUE | KUW |
 | 15 | MH 21-191 & Lateral Cleanout | | Blockage - Debris. The sewer main was flushed & area was cleaned. | 750 | 1 | | N/A

 | BA | 12 Mor | | | | | | | |
 | | | | | | |
|

 | 17 STRATFORD ROAD | KUW |
 | 41 | MH 66-14 | | Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. | 1,500 | 1 | | N/A

 | Repair Completed | N/A | | | | | | | |
 | | | | | | |
|

 | 28 BALL CAMP PIKE
117 BALL ROAD | KUW
FC |
 | 12
49 | Lateral Cleanout
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. | 1,100
3,400 | 2 | | N/A
N/A

 | BA/Grease Control | 6 Mon
N/A | | | | | | | |
 | | | | | | |
|

 | 40 ESSARY DRIVE | KUW |
 | 3 | MH 2-14 | | Blockage - Grease. The sewer main was flushed & area was cleaned. | 3,400 | 1 | | N/A
N/A

 | Repair Completed
BA/Grease Control | 6 mon | | | | | | | |
 | | | | | | |
|

 | 23 BALL ROAD | FC |
 | 49 | Broken Force Main | | Broken System - Broken Force Main. Force main was repaired & the area cleaned. | 2,700 | 2 | ~ | N/A

 | Repair Completed | N/A | | | | | | | |
 | | | | | | |
|

 | 25 N WAHLI DRIVE | KUW |
 | 7 | Lateral Cleanout | | Construction Failure - Pressure Testing Process Failure. The area was cleaned. | 30 | 1 | ✓ | Construction Completed

 | N/A | N/A | | | | | | | |
 | | | | | | |
|

 | 18 SELMA AVENUE
24 PARK HILL CIRCLE | KUW | Williams Creek
Fourth Creek
 | 25
32a | Lateral Cleanout
MH 30-52 | | Blockage - Grease. The sewer main was flushed & area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned. | 800 | 1 | | N/A

 | BA/Grease Control | 6 mor | | | | | | | |
 | | | | | | |
|

 | 24 WESTERN AVENUE | KUW |
 | 22 | MH 30-32
MH 18-86 | | Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned. | 20.000 | 7.5 | | N/A
N/A

 | BA
Repair Completed | 12 Mo | | | | | | | |
 | | | | | | |
|

 | 00 CARRINGTON ROAD | FC |
 | 32b | MH 4-92 | | Blockage - Roots. The sewer main was flushed & area was cleaned. | 40 | 1 | | N/A

 | BA | 12 Mo | | | | | | | |
 | | | | | | |
|

 | 12 KENESAW AVENUE | KUW |
 | 38 | MH 24-168 | | Blockage - Debris. The sewer main was flushed & area was cleaned. | 30 | 1 | | N/A

 | BA | 6 Mor | | | | | | | |
 | | | | | | |
|

 | 39 WASHINGTON PIKE
08 VAN STREET | EB | Ű
 | 113 | Grinder Pump
MHs 28-1 & 28-14 | | Grinder Pump Failure. Pump was repaired & the area was cleaned.
Blockage - Grease. The sewer main was flushed & area was cleaned. | 6 | 1 4 | √
 | N/A
N/A

 | Repair Completed
BA/Grease Control | 6 Mor | | | | | | | |
 | | | | | | |
|

 | 40 JOUROLMAN AVENUE | KUW |
 | 23 | MHs 6-194 & 6-219 & BBU | BBU | Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. | 6.350 | 6 | | N/A

 | BA/Grease Control | 6 Mor | | | | | | | |
 | | | | | | |
|

 | 000 LYONS BEND ROAD | FC |
 | 37 | MH 1 & Influent Pump Room | | Electrical Failure - WWTP. Electricity was restored and the area was cleaned. | 1,660,879 | 5.18 | ✓ | N/A

 | Repair Completed | N// | | | | | | | |
 | | | | | | |
| 2010

 | 28 W PARKWAY AVENUE | KUW |
 | 4 | MH 51-15 | | Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned. | 25 | 1 | | N/A

 | Repair Completed | N/. | | | | | | | |
 | | | | | | |
|

 | 22 CHUKAR ROAD
41 MITCHELL STREET | FC
KUW |
 | 32A
18 | MH 65-11
MH 30-182 | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Heavy rainfall in the area resulted in high flows in the collection system. | 5,500
12,500 | 2 | | N/A
Future Construction Planned

 | BA
N/A | 6 Mor | | | | | | | |
 | | | | | | |
|

 | 01 WEST HILLS ROAD | FC |
 | 27 | MH 54 | | Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. | 400 | 16 | · | N/A

 | Repair Completed | N/A | | | | | | | |
 | | | | | | |
|

 | 50 DOWELL SPRINGS BOULEVARD | FC |
 | 27 | MH 24-94 | | Blockage - Debris. The sewer main was flushed & area was cleaned. | 100 | 0.5 | | N/A

 | BA | 12 Mo | | | | | | | |
 | | | | | | |
|

 | 27 SOUTH HAVEN ROAD | - | South Knoxville
 | 40 | MH 24-27 | | Heavy rainfall in the area resulted in high flows in the collection system. | Unknown | Unknown | | N/A

 | Repair Completed | N/. | | | | | | | |
 | | | | | | |
|

 | 01 WASHINGTON AVENUE | KUW
KUW |
 | 24 22 | MH 24-13
MH 13 | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Construction Failure - Broken Gravity Main. The sewer main was repaired and the area was cleaned. | 210 40.000 | 1 | | N/A
N/A

 | BA
Repair Completed | 3 Mo | | | | | | | |
 | | | | | | |
|

 | 39 WASHINGTON PIKE | EB |
 | 113 | Grinder Pump | | Grinder Pump Failure. Pump was repaired & the area was cleaned. | 40,000 | 1.5 | ~ | N/A N/A

 | Repair Completed | N/ | | | | | | | |
 | | | | | | |
|

 | 25 AMHERST ROAD | FC |
 | 27 | Lateral Cleanout | | Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. | 10 | 1 | | N/A

 | Repair Completed | N | | | | | | | |
 | | | | | | |
|

 | 49 CREEKHEAD DRIVE | FC |
 | 32a | MH 49-3 | | Vandalism. Blockage was removed & the area was cleaned. | 3,000 | 2 | | N/A

 | Repair Completed | N/ | | | | | | | |
 | | | | | | |
|

 | 14 JULIAN STREET | | South Knoxville
 | | MH 40-28
MH 22-13 | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Heavy rainfall in the area resulted in high flows in the collection system. | 1,500 | 3 | | N/A
Future Construction Planned

 | BA | 6 Mc | | | | | | | |
 | | | | | | |
|

 | 08 JEFFERSON AVENUE | KUW
KUW |
 | 4 24 | Lateral Cleanout | | Heavy rainfall in the area resulted in high flows in the collection system. | 300 | 1 | · · · · · · · · · · · · · · · · · · · | Construction Completed

 | N/A
N/A | N/ | | | | | | | |
 | | | | | | |
|

 | 18 BORIGHT DRIVE | KUW |
 | 8 | MH 46-16 & Lateral Cleanout | | Heavy rainfall in the area resulted in high flows in the collection system. | 3,300 | 1 | ~ | Construction Underway

 | N/A | N | | | | | | | |
 | | | | | | |
|

 | 00 CENTRAL AVENUE PIKE | KUW |
 | 10 | MH 17-9 | | Heavy rainfall in the area resulted in high flows in the collection system. | 36,600 | 3 | V | Construction Completed

 | N/A | N | | | | | | | |
 | | | | | | |
|

 | 08 JEFFERSON AVENUE
00 LYONS BEND ROAD | KUW |
 | 24 | 2 Lateral Cleanouts
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. | 750 | 1 | · · · · · · · · · · · · · · · · · · · | Construction Completed
Construction Underway

 | N/A
N/A | N | | | | | | | |
 | | | | | | |
|

 | 38 MARYVILLE PIKE | FC
KUW | South Knoxville
 | | MHs 27-2 & 27-3 | | Heavy rainfall in the area resulted in high flows in the collection system. | 800 | 8.75 | | Construction Onderway
Construction Completed

 | N/A
N/A | N | | | | | | | |
 | | | | | | |
|

 | 00 N GALLAHER VIEW ROAD | FC |
 | 32A | MH 77 | | Heavy rainfall in the area resulted in high flows in the collection system. | 540,000 | 24 | ✓ | Future Construction Planned

 | N/A | N | | | | | | | |
 | | | | | | |
|

 | 08 RIVERSIDE DRIVE | | Williams Creek
 | 25 | MH 2 | | Heavy rainfall in the area resulted in high flows in the collection system. | 6,000 | 1 | × | Future Construction Planned

 | N/A | N | | | | | | | |
 | | | | | | |
|

 | 27 SOUTH HAVEN ROAD
41 MITCHELL STREET | KUW | South Knoxville
First Creek
 | 40 | MH 24-27
MH 30-182 | | 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. | 500
19.000 | 1 | ✓ | N/A
Future Construction Planned

 | Repair Completed
N/A | N | | | | | | | |
 | | | | | | |
|

 | 09 N BELLEMEADE AVENUE | KUW |
 | 28 | MH 3-53 | | Heavy rainfall in the area resulted in high flows in the collection system. | Unknown | Unknown | · · · · · · · · · · · · · · · · · · · | Construction Completed

 | N/A
N/A | N | | | | | | | |
 | | | | | | |
|

 | 05 MIDDLEBROOK PIKE | KUW |
 | 21 | MH 1 | | Heavy rainfall in the area resulted in high flows in the collection system. | Unknown | Unknown | ✓ | Future Construction Planned

 | N/A | N | | | | | | | |
 | | | | | | |
| /2013 12
//2013 21

 | 01 WATERCRESS DRIVE
10 COVE VIEW WAY | KUW |
 | 7 43 | Lateral Cleanout | | Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned. | 67,000 | 12 | | N/A

 | Repair Completed | N/. | | | | | | | |
 | | | | | | |
|

 | 09 MAPLE DRIVE | FC
KUW |
 | 43 | Grinder Pump
Lateral Cleanout | | Grinder Pump Failure. Pump was repaired & the area was cleaned.
Heavy rainfall in the area resulted in high flows in the collection system. | 15
Unknown | 0.5
Unknown | | N/A
Future Construction Planned

 | Repair Completed
N/A | N// | | | | | | | |
 | | | | | | |
| /2013 64

 | 10 S NORTHSHORE DRIVE | FC |
 | 37 | MH 8 | | Heavy rainfall in the area resulted in high flows in the collection system. | Unknown | Unknown | ✓ | Construction Completed

 | N/A | N/ | | | | | | | |
 | | | | | | |
|

 | 15 WAYLAND ROAD | LC |
 | 67 | Lateral Cleanout | | Heavy rainfall in the area resulted in high flows in the collection system. | Unknown | Unknown | | Future Construction Planned

 | N/A | N/. | | | | | | | |
 | | | | | | |
|

 | 19 OLD BROADWAY
05 KERMIT DRIVE | KUW | First Creek
Second Creek
 | 7 | MHs 2 & 63
MH 4-34 | | Heavy rainfall in the area resulted in high flows in the collection system.
Construction Failure - Gas main bored through sewer. The sewer main was repaired and the area was cleaned. | Unknown
400 | Unknown | * | Future Construction Planned
N/A

 | N/A
Repair Completed | N/. | | | | | | | |
 | | | | | | |
|

 | 17 GREEN VALLEY DRIVE | | Loves Creek
 | 26 | MH 16 | | Construction Failure - Gas main blee mough sever. The sever main was repared and the area was cleaned.
Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. | 10 | 0.5 | | N/A

 | Repair Completed | N/ | | | | | | | |
 | | | | | | |
| /2013 52

 | 77 N NATIONAL DRIVE | KUW | Riverdale
 | 60 | MH 30-3 | | Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned. | 150 | 1 | | N/A

 | Repair Completed | N/ | | | | | | | |
 | | | | | | |
|

 | 04 CROSBY DRIVE
04 WOODS CREEK ROAD | LC |
 | 28 | MH 36
Grinder Pump & BBU | BBU | Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.
Grinder Pump Failure. Pump was repaired & the area was cleaned. | 150
20 | 2 | | N/A
N/A

 | Repair Completed
Repair Completed | N/2 | | | | | | | |
 | | | | | | |
| /2013 1

 | 17 CHARLENE LANE | | Second Creek
 | | MH 16-9 | 550 | Blockage - Roots. The sewer main was flushed & area was cleaned. | 4,300 | 48 | | N/A

 | BA | 12 Mc | | | | | | | |
 | | | | | | |
|

 | 00 CENTRAL AVENUE PIKE
01 SUTHERLAND AVENUE | | Second Creek
 | | MH 17-9 | | Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. | 5 | 0.25 | ~ | N/A
N/A

 | Repair Completed | N | | | | | | | |
 | | | | | | |
|

 | 08 WHITOWER DRIVE | | Third Creek
Fourth Creek
 | | MH 23
Subsurface | | Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. | | 2 | |

 | | 12 M | | | | | | | |
 | | | | | | |
| 2013 8

 | 16 W BAXTER AVENUE | KUW | Third Creek
 | | MH 19-231 | | Broken System - Sewer Main Collapse. The sewer main is repaired and the area was cleaned. | 700 | 2 | |

 | BA/Grease Control | | | | | | | | |
 | | | | | | |
|

 | 17 COX STREET
08 FOREST AVENUE | |
 | | | | Broken System - Sewer Main Collapse. The sewer main is repaired and the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned. | 120
360 | 2
0.5 | | N/A
N/A

 | BA/Grease Control
Repair Completed
BA | N
12 M | | | | | | | |
 | | | | | | |
|

 | | | Third Creek
 | 28 | Broken Gravity Main | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned. | 120
360
75 | 2
0.5
1 | | N/A
N/A
N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed | N
12 N
N | | | | | | | |
 | | | | | | |
|

 | 15 NEYLAND DRIVE | KUW | Third Creek
Third Creek
 | 28
29 | MH 9-12 | | Blockage - Debris. The sewer main was flushed & area was cleaned. | 120
360
75
500 | 1
2 | | N/A
N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed | N
12 M
N | | | | | | | |
 | | | | | | |
| 2013 15

 | 15 NEYLAND DRIVE
00 LYONS BEND ROAD | KUW
KUW
FC | Third Creek
Third Creek
Third Creek
Fourth Creek
 | 28
29
35b
37 | MH 9-12
Primary Effluent Channel
MH 1 | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP process was reinstated & the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned. | 120
360
75 | | | N/A
N/A
N/A
Future Construction Planned
Construction Underway

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
Repair Completed
N/A | N/
12 M
N/
N/
N/
N/ | | | | | | | |
 | | | | | | |
| 2013 15
2013 58

 | 00 LYONS BEND ROAD
03 MILLERTOWN PIKE | KUW
KUW
FC
LC | Third Creek
Third Creek
Third Creek
Fourth Creek
Loves Creek
 | 28
29
35b
37
105 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP process was reinstated & the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Grinder Pump Failure. Pump was repaired & the area was cleaned. | 120
360
75
500
115,000
227,000
5 | 1
2
0.13 | × | N/A
N/A
N/A
Future Construction Planned
Construction Underway
N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
Repair Completed
N/A
Repair Completed | N/
12 M
N/
N/
N/
N/
N/ | | | | | | | |
 | | | | | | |
| 2013 15 2013 58 2013 25

 | 00 LYONS BEND ROAD | KUW
KUW
FC
LC | Third Creek
Third Creek
Third Creek
Fourth Creek
Loves Creek
Third Creek
 | 28
29
35b
37 | MH 9-12
Primary Effluent Channel
MH 1 | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP process was reinstated & the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned. | 120
360
75
500
115,000 | 1
2
0.13 | × | N/A
N/A
N/A
Future Construction Planned
Construction Underway

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
Repair Completed
N/A | N
12 M
N
N
N
N
12 M | | | | | | | |
 | | | | | | |
| 2013 15 2013 58 2013 25 2013 52 2013 51 2013 52 2013 11

 | 00 LYONS BEND ROAD
03 MILLERTOWN PIKE
01 AILOR AVENUE
55 MCINTYRE ROAD
11 W FIFTH AVENUE | KUW
KUW
FC
LC
KUW
LC
KUW | Third Creek
Third Creek
Fourth Creek
Loves Creek
Third Creek
Loves Creek
Second Creek
 | 28
29
35b
37
105
29
6
23 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189 | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP process was reinstated & the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Grinder Pump Failure. Pump was repaired & the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Groses and Debris. The sewer main was flushed & area was cleaned.
Blockage - Groses and Debris. The sewer main was flushed & area was cleaned. | 120
360
75
500
115,000
227,000
5
5,600
35
1,300 | 1
2
0.13
0.93
1
2
1
1.5 | × | N/A
N/A
N/A
Future Construction Planned
Construction Underway
N/A
N/A
N/A
N/A
N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
N/A
Repair Completed
N/A
Repair Completed
BA
BA/Grease Control | N.
12 M
N
N
N
N
12 M
12 M
12 M
3 Mo | | | | | | | |
 | | | | | | |
| 2013 15 2013 58 2013 25 2013 52 2013 51 2013 52 2013 11 2013 35

 | 00 LYONS BEND ROAD
03 MILLERTOWN PIKE
01 AILOR AVENUE
55 MCINTYRE ROAD
11 W FIFTH AVENUE
47 TALAHI DRIVE | KUW
KUW
FC
LC
KUW
LC
KUW
KUW | Third Creek
Third Creek
Fourth Creek
Loves Creek
Loves Creek
Loves Creek
Second Creek
Third Creek
 | 28
29
35b
37
105
29
6
23
38 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54 | | Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned. Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Electrical Failure - WWTP. Electricity was restored and the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Rots. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. | 120
360
75
500
115,000
227,000
5
5,600
35
1,300
180 | 1
2
0.13
0.93
1
2
1
1.5
2 | × | N/A
N/A
N/A
Future Construction Planned
Construction Underway
N/A
N/A
N/A
N/A
N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
N/A
Repair Completed
BA
BA
BA
BA
BA
BA
BA | N/
12 M
N/
N/
N/
12 M
12 M
12 M
12 M | | | | | | | |
 | | | | | | |
| 2013 15 2013 58 2013 25 2013 52 2013 52 2013 11 2013 35 2013 15

 | 00 LYONS BEND ROAD
03 MILLERTOWN PIKE
03 MILLERTOWN PIKE
55 MCINTYRE ROAD
11 W FIFTH AVENUE
47 TALAH DRIVE
00 LYONS BEND ROAD | KUW
KUW
FC
LC
KUW
LC
KUW
KUW
FC | Third Creek
Third Creek
Fourth Creek
Loves Creek
Loves Creek
Second Creek
Third Creek
Fourth Creek
 | 28 29 35b 37 105 29 6 23 38 43 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Electricity was restored and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Grinder Pump Failure. Pump was repaired & the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.
Blockage - Crease and Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Construction Failure - Pump Testing Process Failure. The process was reinstated and the area was cleaned. | 120
360
75
500
115,000
227,000
5
5,600
35
1,300
180
115 | 1
2
0.13
0.93
1
2
1
1.5 | × | N/A
N/A
N/A
Future Construction Planned
Construction Underway
N/A
N/A
N/A
N/A
N/A
N/A
N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
N/A
Repair Completed
N/A
Repair Completed
BA
BA/Grease Control | N
12 M
N
N
N
N
N
N
N
N
N
N
N
N
N | | | | | | | |
 | | | | | | |
| 2013 15 2013 58 2013 58 2013 52 2013 51 2013 11 2013 355 2013 15 2013 52

 | 00 LYONS BEND ROAD
03 MILLERTOWN PIKE
01 AILOR AVENUE
55 MCINTYRE ROAD
11 W FIFTH AVENUE
47 TALAHI DRIVE | KUW
KUW
FC
LC
KUW
LC
KUW
KUW | Third Creek
Third Creek
Third Creek
Fourth Creek
Loves Creek
Loves Creek
Second Creek
Third Creek
Third Creek
Knob Creek
 | 28
29
35b
37
105
29
6
23
38 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54 | | Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned. Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Electrical Failure - WWTP. Electricity was restored and the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Rots. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. Blockage - Obris. The sewer main was flushed & area was cleaned. | 120
360
75
500
115,000
227,000
5
5,600
35
1,300
180 | 1
2
0.13
0.93
1
2
1
1.5
2
0.25 | ✓
✓ | N/A
N/A
N/A
Future Construction Planned
Construction Underway
N/A
N/A
N/A
N/A
N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
N/A
Repair Completed
BA
BA
BA
BA
BA
BA
BA | 12 M
12 M
12 M
12 M
12 M
12 M
12 M
12 M | | | | | | | |
 | | | | | | |
| 2013 15 2013 58 2013 58 2013 25 2013 12 2013 11 2013 15 2013 15 2013 15 2013 15 2013 52 2013 43 2013 12

 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 04 ALOR AVENUE 55 MCINTYRE ROAD 11 W FIFTH AVENUE 24 TALAH DRIVE 00 LYONS BEND ROAD 27 MCNUTT ROAD 19 COMET LANE 21 MILAM CIRCLE | KUW
KUW
FC
LC
KUW
LC
KUW
KUW
KUW | Third Creek
Third Creek
Fourth Creek
Fourth Creek
Loves Creek
Second Creek
Third Creek
Second Creek
Third Creek
Knob Creek
Knob Creek
Loves Creek
Fourth Creek
 | 28 29 35b 37 105 29 6 23 38 43 41 6 36 36 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout
MH 12-3 | | Blockage - Debris. The sever main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sever main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sever main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Electricity was restored and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Roots. The sever main was flushed & area was cleaned.
Biockage - Grease and Debris. The sever main was flushed & area was cleaned.
Biockage - Grease and Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Roots and Debris. The sever main was flushed & area was cleaned.
Biockage - Bookage - Debris. The sever main was flushed & area was cleaned.
Biockage - Bookage - Debris. The sever main was flushed & area was cleaned.
Biockage - Bookage - Debris. The sever main was flushed & area was cleaned. | 120
360
75
500
115,000
227,000
5
5,600
35
1,300
180
115
180
140
7,500 | 1
2
0.13
0.93
1
2
1
1.5
2
0.25
2 | ✓
✓ | N/A N/A N/A V/A Future Construction Planned Construction Underway N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
N/A
Repair Completed
BA
BA/Grease Control
BA/Grease Control
BA
Repair Completed
BA
Repair Completed
BA
Repair Completed | N
12 M
N
N
N
N
N
N
N
N
N
12 M
3 M
12 M
12 M
12 M
12 M
12 M
12 M | | | | | | | |
 | | | | | | |
| 1013 15 1013 58 1013 58 1013 52 1013 52 1013 52 1013 35 1013 35 1013 35 1013 35 1013 35 2013 15 2013 43 2013 42 2013 4 2013 4

 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 55 MCINTYRE ROAD 11 W FIFTH AVENUE 47 TALAH DRIVE 00 LYONS BEND ROAD 27 MCNUTT ROAD 19 COMET LANE 21 MILAR CRCLE 09 NWINSTON ROAD | KUW KUW FC LC KUW LC KUW FC KUW KUW FC FC FC FC FC | Third Creek
Third Creek
Fourth Creek
Loves Creek
Second Creek
Fourth Creek
Second Creek
Fourth Creek
Knob Creek
Knob Creek
Eourth Creek
Fourth Creek
 | 28 29 35b 37 105 29 6 23 38 43 41 6 32B 32B | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout
MH 12-3
Lateral Cleanout and BBU | BBU | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP process was reinstated & the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Grinder Pump Failure. Pump was repaired & the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Roots. 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 - Debris. The sewer main was flushed & area was cleaned.
Blockage - Oberis. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned. | 120
360
75
500
115,000
227,000
5
5,600
35
1,300
180
115
180
140
7,500
300 | 1
2
0.13
0.93
1
2
1
1.5
2
0.25
2
2
8
2
8
2 | × | N/A
N/A
N/A
Future Construction Planned
Construction Underway
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
N/A
Repair Completed
BA
BA/Grease Control
BA
Repair Completed
BA
Repair Completed
Repair Completed
Repair Completed | N 12 M
12 M
N
N
N
12 M
12 M
12 M
12 M
12 M
12 M
12 M
12 M | | | | | | | |
 | | | | | | |
| 2013 15 2013 58 2013 25 2013 25 2013 11 2013 15 2013 15 2013 52 2013 52 2013 52 2013 52 2013 43 2013 12 2013 38

 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 55 MCINTYRE ROAD 55 MCINTYRE ROAD 47 TALAHI DRIVE 00 LYONS BEND ROAD 21 MCNUTT ROAD 21 MILAM CIRCLE 09 N WINSTON ROAD 24 VILAN ROAD | KUW KUW FC LC KUW KUW KUW KUW KUW KUW FC KUW FC KUW FC FC FC FC KUW | Third Creek
Third Creek
Fourth Creek
Loves Creek
Loves Creek
Loves Creek
Kood Creek
Fourth Creek
Knob Creek
Knob Creek
Fourth Creek
Fourth Creek
 | 28 29 35b 37 105 29 6 23 38 41 6 36 32B 38 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout
MH 12-3
Lateral Cleanout
Lateral Cleanout | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Electricity was restored and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was 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.
Blockage - Corts. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Construction Failure - Pump Testing Process Failure. The process was reinstated and the area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
Construction Failure - Blockage by Construction Debris. The sewer main was flushed & area was cleaned.
Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned. | 120
360
75
500
115,000
227,000
5
5,600
35
1,300
180
115
180
140
7,500
300
20 | 1
2
0.13
0.93
1
2
1
1.5
2
0.25
2
2
8
2
0.17 | × | N/A N/A N/A V/A Future Construction Planned Construction Underway N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
Repair Completed
N/A
Repair Completed
BA
BA/Grease Control
BA
Repair Completed
BA
Repair Completed
Repair Completed
Repair Completed
BA | N 12 M N N N 12 M | | | | | | | |
 | | | | | | |
| 013 15 013 58 013 25 013 25 013 25 013 12 013 11 013 15 2013 15 2013 52 2013 43 2013 4 2013 4 2013 38 2013 12 2013 12

 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 55 MCINTYRE ROAD 11 W FIFTH AVENUE 47 TALAH DRIVE 00 LYONS BEND ROAD 27 MCNUTT ROAD 19 COMET LANE 21 MILAR CRCLE 09 NWINSTON ROAD | KUW KUW FC LC KUW LC KUW FC KUW KUW FC FC FC FC FC | Third Creek
Third Creek
Fourth Creek
Loves Creek
Loves Creek
Loves Creek
Knob Creek
Knob Creek
Knob Creek
Fourth Creek
Fourth Creek
Fourth Creek
South Creek
South Creek
 | 28 29 35b 37 105 29 6 23 38 41 6 36 32B 38 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout
MH 12-3
Lateral Cleanout and BBU | BBU | Blockage - Debris. The sever main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sever main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sever main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Electricity was restored and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Roots. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Roots and Debris. The sever main was flushed & area was cleaned.
Construction Failure - Noon Petris. The sever main was flushed & area was cleaned.
Biockage - Roots and Debris. The sever main was flushed & area was cleaned.
Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.
Biockage - Grease. The sever main was flushed & area was cleaned.
Biockage - Grease. The sever main was flushed & area was cleaned. | 120
360
75
500
115,000
227,000
5
5,600
35
1,300
180
115
180
140
7,500
300 | 1
2
0.13
0.93
1
2
1
1.5
2
0.25
2
2
8
2
8
2 | × | N/A
N/A
N/A
Future Construction Planned
Construction Underway
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A
N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
N/A
Repair Completed
BA
BA/Grease Control
BA
Repair Completed
BA
Repair Completed
Repair Completed
Repair Completed
BA
BA/Grease Control | N 12 N N N N N N N N N N N N 12 N | | | | | | | |
 | | | | | | |
| 1013 15 1013 58 1013 58 1013 25 1013 25 1013 12 1013 11 1013 35 1013 15 2013 15 2013 43 2013 12 2013 38 2013 12 2013 12 2013 53 1013 5 1013 5

 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 55 MCINTYRE ROAD 55 MCINTYRE ROAD 47 TALAHI DRIVE 48 RONDRAD 49 COMET LANE 21 MILAM CIRCLE 09 N WINSTON ROAD 47 WILAN ROAD 16 BAKER AVENUE 39 BENT RIVER BOULEVARD 06 BROOME RD | KUW KUW FC LC KUW FC KUW FC KUW FC KUW FC KUW LC FC KUW KUW | Third Creek
Third Creek
Fourth Creek
Loves Creek
Loves Creek
Loves Creek
Second Creek
Fourth Creek
Fourth Creek
Fourth Creek
Fourth Creek
Fourth Creek
South Knoxville
Fourth Creek
 | 28 29 35b 37 105 29 6 23 38 43 41 6 36 32B 38 40 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout
MH 12-3
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
MH 15-6 | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Electricity was restored and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
Blockage - Coots. The sewer main was flushed & area was cleaned.
Blockage - Coots. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Construction Failure - Pump Testing Process Failure. The process was reinstated and the area was cleaned.
Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.
Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Bobris. The sewer main was flushed & area was cleaned.
Blockage - Bobris. 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 - 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.
Blockage - Roots. The sewer main was flush | 120
360
75
500
115,000
227,000
5
5,600
35
1,300
180
115
180
140
7,500
300
20
10 | 1
2
0.13
0.93
1
2
1
1.5
2
0.25
2
2
8
2
0.17
0.25 | × | N/A N/A N/A N/A Future Construction Planned Construction Underway N/A

 | BA/Grease Control
Repair Completed
BA
Repair Completed
Repair Completed
Repair Completed
N/A
Repair Completed
BA
BA/Grease Control
BA
Repair Completed
BA
Repair Completed
Repair Completed
Repair Completed
BA | N 12 N 12 N N N N N N N N N N N 12 N | | | | | | | |
 | | | | | | |
| 013 15 013 58 013 52 013 52 013 52 013 52 013 52 013 52 013 15 013 15 013 15 2013 43 2013 43 2013 43 2013 43 2013 43 2013 12 2013 38 2013 12 2013 53 013 5 013 6

 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 04 AUEN AVENUE 55 MCINTYRE ROAD 11 W FIFTH AVENUE 47 TALAH DRIVE 00 LYONS BEND ROAD 27 MCNUTT ROAD 10 COMET LANE 21 MILAM CIRCLE 09 N WINSTON ROAD 24 WILANI ROAD 16 BAKER AVENUE 39 BENT RIVER BOULEVARD 08 BROOME RD 01 VAN STREET | KUW KUW FC LC KUW FC KUW FC KUW LC KUW FC FC KUW FC KUW KUW | Third Creek
Third Creek
Fourth Creek
Loves Creek
Loves Creek
Loves Creek
Knob Creek
Knob Creek
Knob Creek
Fourth Creek
Fourth Creek
South Creek
South Creek
South Creek
South Creek
South Creek
South Creek
South Creek
South Creek
South Creek
 | 28 29 35b 37 105 29 6 23 38 43 41 6 36 32B 38 40 43 32a 23 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
MH 12-3
Lateral Cleanout
MH 15-6
MH 15-62 | | Blockage - Debris. The sever main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sever main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sever main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Electricity was restored and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Roots. The sever main was flushed & area was cleaned.
Biockage - Crease and Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Oebris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Poebris. The sever main was flushed & area was cleaned.
Biockage - Poebris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.
Biockage - Grease. The sever main was flushed & area was cleaned.
Biockage - Grease. The sever main was flushed & area was cleaned.
Biockage - Grease. The sever main was flushed & area was cleaned.
Biockage - Grease. The sever main was flushed & area was cleaned.
Biockage - Grease. The sever main was flushed & area was cleaned.
Biockage - Grease. The sever main was flushed & area was cleaned.
Biockage - Grease. The sever main was flushed & area was cleaned.
Biockage - Grease. The sever main was flushed & area was cleaned.
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 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 55 MCINTYRE ROAD 55 MCINTYRE ROAD 47 TALAHI DRIVE 47 MCNUTT ROAD 19 COMET LANE 21 MILAM CIRCLE 90 NVINSTON ROAD 47 WILANI ROAD 16 BAKER AVENUE 39 BENT RIVER BOULEVARD 68 BROOME RD 01 VAN STREET 00 AMHERST ROAD | KUW KUW FC LC KUW LC KUW FC KUW FC | Third Creek
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Fourth Creek
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Second Creek
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South Knoxville
Fourth Creek
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 23 23 27 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout
MH 12-3
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Residential Grinder Pump
MH 15-6
MH 19-262
MH 22-68 | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint On Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP process was reinstated & the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Grinder Pump Failure. Pump was repaired & the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.
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Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.
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 | BA/Grease Control
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 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 04 AUEN AVENUE 55 MCINTYRE ROAD 11 W FIFTH AVENUE 47 TALAH DRIVE 00 LYONS BEND ROAD 27 MCNUTT ROAD 10 COMET LANE 21 MILAM CIRCLE 09 N WINSTON ROAD 21 WILAN ROAD 16 BAKER AVENUE 39 BENT RIVER BOULEVARD 08 BROOME RD 01 VAN STREET 00 AMHERST ROAD 32 LYONS VIEW PIKE 30 DAVIDA ROAD | KUW KUW FC LC KUW KUW KUW KUW KUW LC FC KUW LC FC KUW LC FC KUW KUW FC FC KUW FC FC FC FC FC FC FC | Third Creek
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 | 28 29 35b 37 105 29 6 23 38 43 41 6 36 32B 38 40 43 32a 23 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
MH 12-3
Lateral Cleanout
MH 15-6
MH 15-62 | | Blockage - Debris. The sever main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sever main was repaired & the area was cleaned.
Construction Failure - Diq-in (Pre-Construction Drilling). The sever main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Electricity was restored and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Biockage - Debris. The sever main was flushed & area was cleaned.
Biockage - Roots. The sever main was flushed & area was cleaned.
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 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 55 MCINTYRE ROAD 55 MCINTYRE ROAD 47 TALAHI DRIVE 00 LYONS BEND ROAD 47 TALAHI DRIVE 00 LYONS BEND ROAD 19 COMET LANE 21 MILAN CIRCLE 09 NVINSTON ROAD 47 WILANI ROAD 16 BAKER AVENUE 39 BENT RIVER BOULEVARD 08 BROOME RD 01 VAN STREET 00 AMHERST ROAD 32 LYONS VIEW PIKE 30 DAVIDA ROAD 31 DELESMERE DRIVE | KUW KUW FC LC KUW LC KUW FC KUW FC KUW FC KUW KUW | Third Creek
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 29 6 23 38 43 32a 23 27 37 5 11 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Residential Grinder Pump
MH 15-6
MH 19-262
MH 22-68
Grinder Pump
MH 8-83
MH 52-6 | BBU | Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned. Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned. WWTP Process Failure. WWTP, Electricity was restored and the area was cleaned. Grinder Pump Failure. Pump Was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Chebris. The sewer main was flushed & area was cleaned. Blockage - Crease and Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & area was cleaned. Construction Failure - Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Obers. The sew | 120 360 75 500 115,000 227,000 5 5,600 35 1,300 180 115 180 140 7,500 300 20 10 25 70 80 200 10 180 450 | 1
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 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 55 MCINTYRE ROAD 55 MCINTYRE ROAD 47 TALAHI DRIVE 00 LYONS BEND ROAD 47 TALAHI DRIVE 00 LYONS BEND ROAD 19 COMET LANE 21 MILLAM CIRCLE 09 N WINSTON ROAD 47 WILANI ROAD 18 BAKER AVENUE 39 BENT RIVER BOULEVARD 08 BROOME RD 01 VAN STREET 00 AMIERST ROAD 32 LYONS VIEW PIKE 30 DAVIDA ROAD 12 ELLESMERE DRIVE 12 COKER AVENUE | KUW KUW FC LC KUW KUW KUW KUW KUW LC FC KUW LC FC FC FC KUW FC KUW KUW | Third Creek
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South Creek
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Fourth Creek
First Creek | 28 29 35b 37 105 29 6 23 38 43 41 6
32B 38 40 43 32a 23 27 37 5 11 17 | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout
Lateral Cleanout and BBU
Lateral Cleanout
Lateral Cleanout
Lateral Cleanout
MH 15-6
MH 15-6
MH 15-6
MH 122-68
Grinder Pump
MH 82-8
Grinder Pump
MH 82-8
Grinder Pump
MH 82-8
Grinder Pump
MH 82-6
Lateral Cleanout & BBU | | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Eltectricity was restored and the area was cleaned.
Eltectrical Failure - WWTP. Eltectricity was restored and the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
Blockage - Coots. The sewer main was flushed & area was cleaned.
Blockage - Oebris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Construction Failure - Ump Testing Process Failure. The process was reinstated and the area was cleaned.
Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.
Blockage - Bobris. The sewer main was flushed & area was cleaned.
Blockage - Bobris. The sewer main was flushed & area was cleaned.
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 | BA/Grease Control
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 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 04 AUER AVENUE 55 MCINTYRE ROAD 11 W FIFTH AVENUE 47 TALAH DRIVE 00 LYONS BEND ROAD 27 MCNUTT ROAD 10 COMET LANE 21 MILAM CIRCLE 08 NVINSTON ROAD 21 MILAM CIRCLE 08 NVINSTON ROAD 16 BAKER AVENUE 39 BENT RIVER BOULEVARD 00 BROME RD 01 VAN STREET 00 AMILEST ROAD 32 LYONS VIEW PIKE 30 DAVIDA ROAD 12 ELESMERE DRIVE 21 COKER AVENUE 00 NGALLAHER VIEW ROAD | KUW KUW FC LC KUW FC KUW FC KUW LC KUW FC FC KUW FC KUW | Third Creek
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 | 28 29 35b 37 105 29 6 23 38 43 41 6 36 32B 38 40 43 32a 23 27 37 5 11 17 32A | MH 9-12
Primary Effluent Channel
MH 1
Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
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Lateral Cleanout
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Residential Grinder Pump
MH 15-6
MH 19-262
MH 22-68
Grinder Pump
MH 8-83
MH 52-6
Lateral Cleanout & BBU
MH 77 | BBU | Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned. Construction Failure - Diq-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned. WWTP Process Failure. WWTP Electricity was restored and the area was cleaned. Electrical Failure - WWTP. Electricity was restored and the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Crease and Debris. The sewer main was flushed & area was cleaned. Blockage - Oebris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Pump Failure. The process was reinstated and the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Pobris. The sewer main was flushed & area was cleaned. Blockage - Pobris. The sewer main was flushed & area was cleaned. Blockage - Noots and Debris. The sewer main was flushed & area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the 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 se | 120 360 75 500 115,000 227,000 5 5,600 35 1,300 180 115 180 1415 180 140 7,500 300 20 10 25 70 80 200 10 180 450 1,650 59,000 | 1
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 | BA/Grease Control
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HRC Pump
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Lateral Cleanout
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Grinder Pump
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Lateral Cleanout & BBU | BBU | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Eltectricity was restored and the area was cleaned.
Eltectrical Failure - WWTP. Eltectricity was restored and the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
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Blockage - Debris. The sewer main was flushed & area was cleaned.
Construction Failure - Ump Testing Process Failure. The process was reinstated and the area was cleaned.
Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.
Blockage - Bobris. The sewer main was flushed & area was cleaned.
Blockage - Bobris. The sewer main was flushed & area was cleaned.
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HRC Pump
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Lateral Cleanout
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Lateral Cleanout and BBU
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Lateral Cleanout and BBU
Residential Grinder Pump
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MH 19-262
MH 22-68
Grinder Pump
MH 22-68
Grinder Pump
MH 3-83
MH 52-6
Lateral Cleanout & BBU
MH 77
Lateral Cleanout | BBU | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Diq-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Electricity was restored and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.
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Blockage - Cease and Debris. The sewer main was flushed & area was cleaned.
Blockage - Coots and Debris. The sewer main was flushed & area was cleaned.
Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.
Blockage - Grease. The sewer main was flushed & area was cleaned.
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Primary Effluent Channel
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Grinder Pump
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MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout
MH 12-3
Lateral Cleanout and BBU
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Lateral Cleanout and BBU
Residential Grinder Pump
MH 15-6
MH 19-262
MH 22-68
Grinder Pump
MH 18-83
MH 52-6
Lateral Cleanout & BBU
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Lateral Cleanout & BBU
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Lateral Cleanout & BBU
MH 77
MH 782
MH 29-33 | BBU | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP, Electricity was restored and the area was cleaned.
Grinder Pump Failure. Pump was repaired & the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
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Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.
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Blockage - Roots. The sewer main was flushed & area was cleaned.
Blockage - Corestruction Pailure. Hump Failure. Tump was repaired & the area was cleaned.
Blockage - Crease. The sewer main was flushed & ar | 120 360 75 500 115,000 227,000 5 5,600 35 1,300 180 115 180 140 7,500 300 20 10 25 70 80 200 10 180 450 1,650 59,000 550 105 100 35 | 1
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 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 55 MCINTYRE ROAD 55 MCINTYRE ROAD 11 W FIFTH AVENUE 47 TALAHI DRIVE 00 LYONS BEND ROAD 11 WIENT ROAD 12 MCNUTT ROAD 13 COMET LANE 21 MILLAM CIRCLE 09 NWINSTON ROAD 16 BAKER AVENUE 38 BENT RIVER BOULEVARD 08 BROOME RD 01 VAN STREET 00 AMHERST ROAD 12 ELESMERE DRIVE 21 COKER AVENUE 20 NAVIDA ROAD 12 ELESMERE DRIVE 21 COKER AVENUE 20 NAUDA ROAD 10 SYCAMORE DRIVE 21 COKER AVENUE 41 MITCHELL STREET 10 AUD RUTLEDGE PIKE | KUW KUW KUW FC LC KUW KUW KUW KUW LC FC KUW LC FC KUW FC FC FC FC FC FC FC FC FC KUW | Third Creek
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HRC Pump
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Lateral Cleanout and BBU
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Lateral Cleanout and BBU
Residential Grinder Pump
MH 15-6
MH 12-268
Grinder Pump
MH 45-6
Grinder Pump
MH 8-83
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Air Release Valve | BBU | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Electricity was restored and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
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55 MCINTYRE ROAD
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Primary Effluent Channel
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MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout
MH 12-3
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Lateral Cleanout and BBU
Residential Grinder Pump
MH 15-6
MH 19-262
MH 22-68
Grinder Pump
MH 8-83
MH 52-6
Lateral Cleanout & BBU
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Lateral Cleanout & BBU
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MH 29-33
Air Release Valve
MH 40-1
 | BBU | Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned. Construction Failure - Diq-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned. WWTP Process Failure. WWTP. Electricity was restored and the area was cleaned. Electrical Failure - WWTP. Electricity was restored and the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Oebris. The sewer main was flushed & area was cleaned. Blockage - Oebris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Poebris. The sewer main was flushed & area was cleaned. Blockage - Poebris. The sewer main was flushed & area was cleaned. Blockage - Poebris. The sewer main was flushed & area was cleaned. Blockage - Roots and Debris. The sewer main was flushed & area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed | 120 360 75 500 115,000 227,000 5 5,600 35 1,300 180 115 180 115 180 140 7,500 300 20 10 25 70 80 200 10 180 450 59,000 550 105 100 35 575 2,250 | 1
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 | 00 LYONS BEND ROAD 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 03 MILLERTOWN PIKE 55 MCINTYRE ROAD 55 MCINTYRE ROAD 11 W FIFTH AVENUE 47 TALAHI DRIVE 00 LYONS BEND ROAD 11 WIENT ROAD 12 MCNUTT ROAD 13 COMET LANE 21 MILLAM CIRCLE 09 NWINSTON ROAD 16 BAKER AVENUE 38 BENT RIVER BOULEVARD 08 BROOME RD 01 VAN STREET 00 AMHERST ROAD 12 ELESMERE DRIVE 21 COKER AVENUE 20 NAVIDA ROAD 12 ELESMERE DRIVE 21 COKER AVENUE 20 NAUDA ROAD 10 SYCAMORE DRIVE 21 COKER AVENUE 41 MITCHELL STREET 10 AUD RUTLEDGE PIKE | KUW KUW KUW FC LC KUW KUW KUW KUW LC FC KUW LC FC KUW FC FC FC FC FC FC FC FC FC KUW | Third Creek
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Primary Effluent Channel
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MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
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Lateral Cleanout
Lateral Cleanout and BBU
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Lateral Cleanout and BBU
Residential Grinder Pump
MH 15-6
MH 12-268
Grinder Pump
MH 8-83
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Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
WWTP Process Failure. WWTP Electricity was restored and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
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Construction Failure - Pump Testing Process Failure. The process was reinstated and the area was cleaned.
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Primary Effluent Channel
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Grinder Pump
MH 16
MH 33-7
MH 19-190 & 19-189
MH 13-54
HRC Pump
MH 95
Lateral Cleanout and BBU
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Residential Grinder Pump
MH 15-6
MH 19-262
MH 22-68
Grinder Pump
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MH 52-6
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MH 22-68
Grinder Pump
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Construction Failure - Diq-in (Pre-Construction Drilling). The sewer main was repaired & the area was cleaned.
WWTP Process Failure. WWTP. Electricity was restored and the area was cleaned.
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Primary Effluent Channel
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Residential Grinder Pump
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Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Grinder Pump Failure. Pump was repaired & the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
Blockage - Roots. The sewer main was flushed & area was cleaned.
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Construction Failure - Pump Testing Process Failure. The process was reinstated and the area was cleaned.
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Residential Grinder Pump
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VH 40 & BBU at 2832 Hoitt Avenue
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Construction Failure - Diq-in (Pre-Construction Drilling). The sewer main was repaired & the area was cleaned.
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MH 32 | BBU | Blockage - Debris. The sewer main was flushed & area was cleaned.
Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.
Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.
Electrical Failure - WWTP. Electricity was restored and the area was cleaned.
Grinder Pump Failure. Pump was repaired & the area was cleaned.
Blockage - Debris. The sewer main was flushed & area was cleaned.
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Construction Failure - Pump Testing Process Failure. The process was reinstated and the area was cleaned.
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					Private Property				Event occurred two or more		Short-Term Controls	
Date	Street # Street	Plant Watershed	Basin	Overflow Location	Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	times within 12 months	Long-Term Capital Project	Blockage Abatement (BA)	BA Schedule
2/20/2014	604 DUTCH VALLEY DRIVE	KUW Second Creek	10	MH 17-52		Blockage - Grease. The sewer main was flushed & area was cleaned.	37,500	2.5		N/A	BA/Grease Control	12 Months
2/21/2014	5417 SCENICWOOD ROAD	KUW Second Creek	5	MH 8-53 & 8-54		Blockage - Debris. The sewer main was flushed & area was cleaned.	1,400	2		N/A	BA	12 Months
2/24/2014	3300 HOLSTON HILLS ROAD	LC Loves Creek	26	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	50	1		N/A	Repair Completed	N/A
2/25/2014	132 WATAUGA AVENUE	KUW Second Creek	14	MH 10-12		Blockage - Debris. The sewer main was flushed & area was cleaned.	375	1		Construction Underway	N/A	N/A
2/26/2014	1308 TRIGG STREET	KUW Williams Creek	25	Broken Sewer Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,500	7		N/A	Repair Completed	N/A
3/4/2014	3807 MIDDLEBROOK PIKE	KUW Third Creek	28	MH 16-19		Vandalism. Blockage was removed & the area was cleaned.	5	0.25		N/A	Repair Completed	N/A
3/8/2014	5400 PAULA ROAD	KUW First Creek	4	MH 58-5		Blockage - Roots. The sewer main was flushed & area was cleaned.	575	2.5		N/A	BA	24 Months
3/14/2014	2015 NEYLAND DRIVE	KUW Third Creek	35C	Broken Force Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	250	0.25		N/A	Repair Completed	N/A
3/18/2014	1525 DICK LONAS ROAD	FC Fourth Creek	27	Bypass Pump		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	40	1		N/A	Repair Completed	N/A
3/30/2014	3921 DEERFIELD ROAD	KUW Third Creek	12	MH 9-5		Blockage - Roots. The sewer main was flushed & area was cleaned.	750	2		N/A	BA	6 Months
4/4/2014	5917 MEADOW OAKS LANE	KUW Knob Creek	41	Lateral Cleanout		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1.500	0.5		N/A	Repair Completed	N/A
4/16/2014	2822 PRUDEN DRIVE	KUW First Creek	3	Manhole 14-40		Blockage - Roots. The sewer main was flushed & area was cleaned.	135	0.75		N/A	BA	12 Months
4/30/2014	3037 GIBBS DRIVE	KUW First Creek	3	Lateral Cleanout & BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	35	0.5		N/A	BA	12 Months
5/1/2014	530 SUMMER PLACE	KUW Second Creek	23	Broken Lateral	-	Construction Failure by Customer. The sewer main was flushed to clear the blockage and area was cleaned.	8.700	4		N/A	Repair Completed	N/A
5/12/2014	330 FORESTAL DRIVE	KUW First Creek	8	Manhole 7-76		Blockage - Debris. The sewer main was flushed & area was cleaned.	170	1		N/A	BA	6 Months
6/2/2014	3917 ACORN DRIVE	KUW First Creek	2	Manhole 39-30		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.25		N/A	BA	6 Months
6/5/2014	5272 BENT RIVER BOULEVARD	FC Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	2		N/A	Repair Completed	N/A
6/19/2014	6209 OLD RUTLEDGE PIKE	LC Loves Creek	105	Air Release Valve		Construction Failure by Customer. The valve was replaced and the area was cleaned.	2,700	0.016	✓	Construction Completed	Repair Completed	N/A
6/23/2014	2015 NEYLAND DRIVE	KUW Third Creek	35B	Digester Complex		Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned.	2,500	0.05	✓	N/A	Repair Completed	N/A
6/24/2014	5032 LYONS VIEW PIKE	KUW Third Creek	34	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.25	✓	N/A	Repair Completed	N/A
6/25/2014	1692 AMHERST ROAD	FC Fourth Creek	27	Manhole 22-165		Blockage - Debris. The sever main was flushed & area was cleaned.	470	1		N/A	BA	12 Months
6/26/2014	2015 NEYLAND DRIVE	KUW Third Creek	35B	Digester Complex		Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned.	65	0.05	✓	N/A	Repair Completed	N/A
7/7/2014	1918 LYONS BEND ROAD	FC Fourth Creek	43	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	500	3		N/A	Repair Completed	N/A
7/11/2014	2015 NEYLAND DRIVE	KUW Third Creek	35B	Primary Influent Boxes 1 & 3		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	2.000	0.17		N/A	Repair Completed	N/A
7/15/2014	1335 GRAINGER AVENUE	KUW First Creek	17	Subsurface		Construction Failure - Unconnected Lateral, Lateral was reconnected & the area was cleaned.	100	1		N/A	Repair Completed	N/A
7/22/2014	1263 SWAN POND LANE	LC Loves Creek	67	Lateral Cleanout		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	2,150	2		N/A N/A	BA/Grease Control	12 Months
7/25/2014	617 CHEOWA CIRCLE	KUW Third Creek	38	Manhole 1-2		Blockage - Debris. The sewer main was flushed & area was cleaned.	Unknown	Unknown		Future Construction Planned	Repair Completed	N/A
7/27/2014	4411 PLEASANT RIDGE ROAD	KUW Third Creek	13	Manhole 34-4		Blockage - Grease. The sewer main was flushed & area was cleaned.	4.300	1		Future Construction Planned	BA/Grease Control	3 Months
8/5/2014	2015 NEYLAND DRIVE	KUW Third Creek	35B	Digester Complex		Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned.	500	0.083	×	N/A	Repair Completed	N/A
8/8/2014	4710 MURPHY ROAD	KUW First Creek	2	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	37	1.25	-	N/A	Repair Completed	N/A
8/21/2014	1508 COLEMAN ROAD	FC Fourth Creek	33	Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	40	1.20		N/A N/A	Repair Completed	N/A
8/24/2014	710 & 707 RADFORD PLACE	KUW Second Creek	15	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	150	1		N/A N/A	BA/Grease Control	6 Months
9/4/2014	5236 BENT RIVER BOULEVARD	FC Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5.5	1		N/A N/A	Repair Completed	N/A
9/18/2014	201 EAST RED BUD ROAD	KUW Knob Creek	43	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	5	1		N/A N/A	Repair Completed	12 Months
10/6/2014	1904 WOODBINE AVENUE	KUW First Creek	24	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	350	0.5		Construction Completed	BA	6 Months
10/14/2014	1827 PRICE AVENUE	KUW South Knoxville	40	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	125	0.5		Future Construction Planned	N/A	N/A
10/14/2014	2546 WOODROW DRIVE	KUW First Creek	40	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	125	0.5		N/A	BA BA	12 Months
10/17/2014	2752 BIG FORK WAY	LC Loves Creek	6	Manhole 48-55		Blockage - Grease. The sewer main was flushed & area was cleaned.	50	0.5		N/A N/A	BA/Grease Control	6 Months
10/17/2014	1115 HENRIETTA DRIVE	KUW First Creek	4	Manhole 53 and BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	2.800	1		N/A N/A	BA/Grease Control BA/Grease Control	6 Months
10/18/2014	5246 BENT RIVER BOULEVARD	FC Fourth Creek	4	Grinder Pump	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	2,800	1		N/A N/A		N/A
10/20/2014	241 NEALS LANDING ROAD		-	Manholes 42 & 45		Heavy rainfall in the area resulted in high flows in the collection system.		Unknown		N/A Construction Underway	Repair Completed N/A	N/A N/A
	732 NORTH WOODDALE ROAD	LC Loves Creek	63	Manholes 42 & 45 Manhole 20		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 Unknown	Unknown			N/A N/A	N/A N/A
10/24/2014 10/27/2014	931 NORTH WOODDALE ROAD	LC Loves Creek	63	Manhole 20 Manhole 12 & 13		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown Unknown	Unknown		Construction Underway Construction Underway	N/A N/A	N/A N/A
	4912 CAIN ROAD	LC Loves Creek	63	Manhole 12 & 13 Manhole 27-33 & BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.		OTIKTIOWIT			1471	N/A 12 Months
11/8/2014	113 STATE STREET	KUW Third Creek	11 30	Manhole 27-33 & BBU Broken Gravity Main	BRO	Biockage - Grease. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	180	2 120 Hours Intermittently		N/A	BA/Grease Control	
11/10/2014				,				0.5		N/A	Repair Completed	N/A
11/11/2014	2004 KEEPESAKE WAY	FC Fourth Creek	43	Grinder Pump	+	Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Broken Manhole Cover. The manhole cover was removed from invert and the area was cleaned.	10			N/A	Repair Completed	N/A
11/13/2014	4770 CENTERLINE DRIVE	LC Loves Creek	6	Manhole 66-16			6,200	1.5		N/A	Repair Completed	N/A
11/13/2014	1415 E MOODY AVENUE	KUW South Knoxville	40	Manhole 36-4	+	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,400	2		N/A	BA	12 Months
11/20/2014	600 CITICO STREET	KUW Third Creek	29	Manhole 60-4	+	Blockage - Grease. The sewer main was flushed & area was cleaned.	180	2		N/A	BA/Grease Control	6 Months
11/21/2014	5615 E GOVERNOR JOHN SEVIER HIGHWAY	LC Loves Creek	61	Combination Cleaner	+	Construction Failure - Cleaning Equipment Process Failure and the area was cleaned.	1,200			N/A	Repair Completed	N/A
11/21/2014	5619 E GOVERNOR JOHN SEVIER HIGHWAY	LC Loves Creek	62	Manhole 1-2 & 4		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	Unknown	Unknown		N/A	Repair Completed	N/A
12/3/2014	1900 WOODROW DRIVE	KUW First Creek	7	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	15	0.5		N/A	BA/Grease Control	12 Months
12/11/2014	6209 OLD RUTLEDGE PIKE	LC Loves Creek	105	Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	520	1	~	Construction Completed	Repair Completed	N/A
12/11/2014	6410 SOUTH RUGGLES FERRY PIKE	LC Loves Creek	62	Manhole 3-1		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
12/12/2014	906 HENRIETTA DRIVE	KUW First Creek	4	Manhole 51-25		Blockage - Grease. The sewer main was flushed & area was cleaned.	50	2		N/A	BA/Grease Control	6 Months
12/13/2014	3109 LAKE BROOK BOULEVARD	FC Fourth Creek	27	Manhole 24-135		Blockage - Grease. The sewer main was flushed & area was cleaned.	2,000	4		N/A	BA/Grease Control	12 Months
12/27/2014	100 ROYAL HEIGHTS DRIVE	KUW Knob Creek	41	Manhole 8-36		Blockage - Debris. The sewer main was flushed & area was cleaned.	75	2		N/A	BA	12 Months

					Private Property			Event occurred two or more		Short-Term Controls	
Date 2/28/2011	Street # Street 3814 WOODLAKE DRIVE	Plant Watershee KUW First Cree		Overflow Location Lateral Cleanout	Location Cause of SSO/KUB Response Heavy rainfall in the area resulted in high flows in the collection system.	Volume (Gallons) 400	Duration (Hours)	times within 12 months	Long-Term Capital Project Construction Completed	Blockage Abatement (BA) N/A	BA Schedule N/A
4/17/2011	3814 WOODLAKE DRIVE	KUW First Creel	1	Lateral Cleanout	Heavy rainfall in the area resulted in high flows in the collection system.	20	1	×	Construction Completed	N/A	N/A
6/2/2014 2/10/2013	3917 ACORN DRIVE 4811 BEVERLY ROAD	KUW First Creel	2	Manhole 39-30 MH 39-44	Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	10	0.25		N/A Construction Completed	BA N/A	6 Months N/A
8/29/02	4710 MURPHY ROAD	KUW First Creel		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 Creel	2	Wetwell	Grinder Pump Failure. Pump was repaired & the area was cleaned.	14	2		N/A	Repair Completed	N/A
5/5/09 8/8/2014	4710 MURPHY ROAD 4710 MURPHY ROAD	KUW First Creel KUW First Creel	2	Wetwell Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	100 37	2.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
12/10/2011	5209 MURPHY ROAD	KUW First Cree	2	Grinder Pump & BBU	BBU Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	30	2		N/A	Repair Completed	N/A
10/1/2012 3/5/2013	3902 OAKLAND DRIVE 4128 OAKLAND DRIVE	KUW First Creel KUW First Creel	2	Lateral Cleanout MH 39-6	Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	1,100 Unknown	1 Unknown		N/A Construction Completed	BA N/A	6 Months N/A
5/28/08	4144 OAKLAND DRIVE	KUW First Creel	2	MHs 39-4,39-45 & Lateral Cleanout	Heavy rainfall in the area resulted in high flows in the collection system.	45,655	2	✓	Construction Completed	N/A N/A	N/A
1/6/09	4144 OAKLAND DRIVE	KUW First Creel	2	MHs 39-4,39-44,39-45 & 2 Lateral Cleanouts	Heavy rainfall in the area resulted in high flows in the collection system.	22,475	11	✓	Construction Completed	N/A	N/A
5/15/2011 3/11/2013	5715 ELDRIDGE ROAD 2840 ESSARY DRIVE	KUW First Creel KUW First Creel	3	Lateral Cleanout MH 2-14	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	125	2		N/A N/A	BA BA/Grease Control	12 Months 6 months
4/30/2014	3037 GIBBS DRIVE	KUW First Creel	3	Lateral Cleanout & BBU	BBU Blockage - Roots. The sewer main was flushed & area was cleaned.	35	0.5		N/A	BA	12 Months
4/16/2014 1/16/2013	2822 PRUDEN DRIVE 2412 BERNHURST DRIVE	KUW First Creel KUW First Creel	3	Manhole 14-40 MH 18-54	Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	135 1,425	0.75		N/A Future Construction Planned	BA N/A	12 Months N/A
1/24/10	2412 BERNHURST DRIVE	KUW First Creek	4	MH 18-54 MHs 18-58, 18-54 & 18-53	Blockage - Unknown. The sewer main was flushed & area was cleaned.	5550	10		N/A	BA	6 Months
1/15/2013	2328 CEDAR LANE	KUW First Creel	4	MH 22-30 & BBU	BBU Heavy rainfall in the area resulted in high flows in the collection system.	11,655	2	√	Future Construction Planned	N/A	N/A
2/28/2011 1/30/2013	2500 CEDAR LANE 2500 CEDAR LANE	KUW First Creel KUW First Creel		MH 22-13 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.	500 280	1	✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
6/18/2013	2500 CEDAR LANE	KUW First Creel	4	MH 22-13	Heavy rainfall in the area resulted in high flows in the collection system.	300	1	~	Future Construction Planned	N/A	N/A
12/31/2011 1/30/2013	3602 E KESTERWOOD DRIVE 2538 FAIR DRIVE	KUW First Creel KUW First Creel	4	Lateral Cleanout MH 20-1	Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	375 450	2		Construction Completed Future Construction Planned	N/A N/A	N/A N/A
11/30/10	2541 FAIR DRIVE	KUW First Creel	4	MH 20-2	Heavy rainfall in the area resulted in high flows in the collection system.	150	1		Future Construction Planned	N/A N/A	N/A N/A
1/17/2013	2541 FAIR DRIVE	KUW First Creel	4	MH 20-2	Heavy rainfall in the area resulted in high flows in the collection system.	13,900	48	~	Future Construction Planned	N/A	N/A
4/16/2011 2/8/2013	2544 FAIR DRIVE 5029 FIELDCREST LANE	KUW First Creel KUW First Creel	4	MH 77 MH 13-118	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	100 510	1		Future Construction Planned N/A	N/A BA	N/A 6 Months
12/12/2014	906 HENRIETTA DRIVE	KUW First Creel	4	Manhole 51-25	Blockage - Grease. The sewer main was flushed & area was cleaned.	50	2		N/A	BA/Grease Control	6 Months
10/18/2014	1115 HENRIETTA DRIVE	KUW First Creel		Manhole 53 and BBU	BBU Blockage - Grease. The sewer main was flushed & area was cleaned.	2,800 2290	1 1.5		N/A	BA/Grease Control BA	6 Months 6 Months
2/5/10 3/2/2011	2430 HIGHLAND DRIVE 2430 HIGHLAND DRIVE	KUW First Creel	4	Lateral Cleanout Lateral Cleanout	Blockage - Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	120	1.5		Future Construction Planned Future Construction Planned	N/A	6 Months N/A
6/29/2011	5014 JACKSBORO PIKE	KUW First Creel	4	MH 13-101	Heavy rainfall in the area resulted in high flows in the collection system.	200	1		Future Construction Planned	N/A	N/A
7/10/2013 10/21/2011	2309 MAPLE DRIVE 5401 MONTCREST ROAD	KUW First Creek	4	Lateral Cleanout 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.	Unknown 50	Unknown 1		Future Construction Planned N/A	N/A Repair Completed	N/A N/A
3/8/2014	5400 PAULA ROAD	KUW First Creel	4	MH 58-5	Blockage - Roots. The sewer main was flushed & area was cleaned.	575	2.5		N/A	BA	24 Months
4/29/2013 10/14/2014	1028 W PARKWAY AVENUE 2546 WOODROW DRIVE	KUW First Cree	4	MH 51-15	Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	25 100	1 0.5		N/A	Repair Completed	N/A 12 Months
10/14/2014	108 CARON DRIVE	KUW First Creel KUW Second Cre		Lateral Cleanout MH 16-57	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,150	2		N/A N/A	BA BA	6 Months
1/7/09	701 CEDAR LANE	KUW Second Cre	k 5	MH 35-4	Blockage - Roots. The sewer main was flushed & area was cleaned.	37,450	26		N/A	BA	3 Months
8/27/2013 11/16/2013	117 CHARLENE LANE 5730 DAVIDA ROAD	KUW Second Cre KUW Second Cre		MH 16-9 MH 8-83	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	4,300 180	<u>48</u> 1		N/A N/A	BA BA	12 Months 12 Months
3/1/2011	5205 HAYNES-STERCHI ROAD	KUW Second Cre	k 5	MH 35-4	Blockage - Debris. The sewer main was flushed & area was cleaned.	500	1		N/A	BA	3 Months
1/6/10 7/22/2013	905 KERMIT DRIVE 905 KERMIT DRIVE	KUW Second Cre KUW Second Cre		MH 4-36 MH 4-34	Blockage - Grease. The sewer main was flushed & area was cleaned. Construction Failure - Gas main bored through sewer. The sewer main was repaired and the area was cleaned.	1080 400	1.5		N/A N/A	BA/Grease Control Repair Completed	6 Months N/A
2/28/2013	923 OAKLETT DRIVE	KUW Second Cre		Wetwell	Construction range - Cas many bored amount as were rine sever many repaired and the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	9,000	1.5		Construction Completed	N/A	N/A
2/21/2014	5417 SCENICWOOD ROAD	KUW Second Cre		MH 8-53 & 8-54	Blockage - Debris. The sewer main was flushed & area was cleaned.	1,400	2		N/A	BA	12 Months
2/4/2014 12/12/2012	5605 WALLWOOD ROAD 5704 WAYNEWOOD ROAD	KUW Second Cre KUW Second Cre		Lateral Cleanout MH 16-22	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	10 360	2		N/A N/A	BABA	18 Months 9 Months
11/26/2012	5016 WILFORD ROAD	KUW Second Cre		MH 2	Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	750	1		N/A	Repair Completed	N/A
10/17/2014 11/13/2014	2752 BIG FORK WAY 4770 CENTERLINE DRIVE	LC Loves Cree		Manhole 48-55 Manhole 66-16	Blockage - Grease. The sewer main was flushed & area was cleaned. Broken System - Broken Manhole Cover. The manhole cover was removed from invert and the area was cleaned.	50 6,200	1.5		N/A N/A	BA/Grease Control Repair Completed	6 Months N/A
10/13/2013	4319 COMET LANE	LC Loves Cree		Lateral Cleanout	Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	140	2		N/A N/A	BA	12 Months
10/1/2011	206 HILLVIEW AVENUE	LC Loves Cree		MH 29-145 & Lateral Cleanout	Blockage - Roots. The sewer main was flushed & area was cleaned.	500	1		N/A	BA	12 Months
9/30/2013 1/29/2014	5255 MCINTYRE ROAD 1310 MEMORY LANE	LC Loves Cree		MH 33-7 MH 29-33	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	35	3		N/A N/A	BA	12 Months 3 Months
8/23/05	2304 WOODS CREEK ROAD	LC Loves Cree		Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	2		N/A	Repair Completed	N/A
9/5/2011	1308 ADAIR DRIVE	KUW First Cree	7	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.	500	5		Construction Completed Construction Completed	N/A	N/A N/A
9/18/2012 7/11/2011	1309 ADAIR DRIVE 1313 ADAIR DRIVE	KUW First Creel		MH 28 MH 28-1	Heavy rainfall in the area resulted in high flows in the collection system.	2,000 Unknown	Z Unknown		Construction Completed	N/A	N/A
6/2/2011	1216 GLENOAKS DRIVE	KUW First Creel		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 3/20/2013	4517 N WAHLI DRIVE 4525 N WAHLI DRIVE	KUW First Creel KUW First Creel		MH 39 Lateral Cleanout	Blockage - Roots. The sewer main was flushed & area was cleaned. Construction Failure - Pressure Testing Process Failure. The area was cleaned.	725 30	2	✓ ✓	Construction Completed Construction Completed	BA N/A	12 Months N/A
3/28/03	4713 OLD BROADWAY	KUW First Cree	7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	BA	12 Months
1/28/04 2/6/04	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW First Creel		MH 2 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.	50 13,500	2	✓ ✓	Construction Completed Construction Completed	BA	12 Months 12 Months
3/6/04	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW First Creel		MH 2 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	3150	2.5	✓ ✓	Construction Completed	BA	12 Months
6/23/04	4713 OLD BROADWAY	KUW First Creel	7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓ (Construction Completed	BA	12 Months
9/20/04 11/24/04	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW First Creel	7	MH 2 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	BABA	12 Months 12 Months
12/1/04	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW First Creel	7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	37,400	11.3	· · · · · · · · · · · · · · · · · · ·	Construction Completed	BA	12 Months
12/7/04	4713 OLD BROADWAY	KUW First Creel		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 4/19/05	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW First Creel	7	MH 2 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.	1,008,120 250	62	✓ ✓	Construction Completed Construction Completed	BA BA	12 Months 12 Months
1/17/06	4713 OLD BROADWAY	KUW First Creek	7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	270	2	✓	Construction Completed	BA	12 Months
1/26/06 4/8/06	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW First Creel KUW First Creel	7	MH 2 MH 2	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	14025 20196	1	✓ ✓	Construction Completed Construction Completed	BA	12 Months 12 Months
4/8/06	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW First Creek	7	MH 2 MH 2	Heavy rainfail in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	89670	12	× · · · · · · · · · · · · · · · · · · ·	Construction Completed	BA	12 Months 12 Months
9/24/06	4713 OLD BROADWAY	KUW First Creel	7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	197712	6 12	✓	Construction Completed	BA	12 Months
1/26/10 3/22/2011	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW First Creel		MH 2 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	KUW First Cree	7	MHs 2 & 63	Heavy rainfall in the area resulted in high flows in the collection system.	24,500	3	✓	Future Construction Planned	N/A	N/A
1/15/2013 7/15/2013	4719 OLD BROADWAY 4719 OLD BROADWAY	KUW First Creek	7	MH 2 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.	16,320,000 Unknown	91 Unknown	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
5/25/2012	4601 SEMINOLE ROAD	KUW First Creek		Broken Gravity Main	Blockage - Debris. The sewer main was flushed & area was cleaned.	3,800	2	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A N/A	N/A N/A
9/23/06	4600 UPCHURCH ROAD	KUW First Creel	7	MH 45	Heavy rainfall in the area resulted in high flows in the collection system.	360	2		Construction Completed	N/A	N/A
1/27/10 3/2/2011	4600 UPCHURCH ROAD 4600 UPCHURCH ROAD	KUW First Creel		MH 45 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.	105	1 2		Construction Completed Construction Completed	N/A N/A	N/A N/A
5/14/2012	4600 UPCHURCH ROAD	KUW First Creel	7	MH 45 MH 45	Heavy rainfall in the area resulted in high flows in the collection system.	50	1		Construction Completed	N/A N/A	N/A
2/19/03	4606 UPCHURCH ROAD	KUW First Creel		MH 45	Blockage - Debris. The sewer main was flushed & area was cleaned.	90	3		Construction Completed	N/A Densis Completed	N/A
7/9/2013 11/24/04	1201 WATERCRESS DRIVE 1216 WATERCRESS DRIVE	KUW First Creek KUW First Creek	7	Lateral Cleanout MH 29-9	Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	67,000 3960	12 8.25		N/A Construction Completed	Repair Completed BA/Grease Control	N/A 6 Months
9/23/06	1216 WATERCRESS DRIVE	KUW First Creek	'	MH 29-9	Heavy rainfall in the area resulted in high flows in the collection system.	1440	6		Construction Completed	BA	6 Months
12/11/08	1216 WATERCRESS DRIVE	KUW First Cree	7	MH 29-9	Heavy rainfall in the area resulted in high flows in the collection system.	65	1		Construction Completed	BA	6 Months
12/3/10 3/3/2011	1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE	KUW First Creel KUW First Creel		MH 29-9 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.	1000 50	<u> </u>	✓	Construction Completed Construction Completed	N/A	6 Months N/A
6/24/2011	1216 WATERCRESS DRIVE	KUW First Creel	7	MH 29-9	Heavy rainfall in the area resulted in high flows in the collection system.	60	1	✓	Construction Completed	N/A	N/A
9/9/2011 11/16/2011	1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE	KUW First Creel		MH 29-9 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.	50 200	1	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
11/10/2011		i iliat Cleel	1	IVIT 1 40-0		200	1		_ onotide ten oompleted	11/17	17/17

						Private Property				Event occurred two or more		Short-Term Controls	
Date	Street # Street	Plant	Watershee	Basin	Overflow Location	Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	times within 12 months	Long-Term Capital Project		
11/28/2011	1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE	KUW			MH 29-9 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.	150	2	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
1/23/2012 4/5/2012	1216 WATERCRESS DRIVE	KUW			MH 29-9 MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	200	2	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A N/A	N/A N/A
5/14/2012	1216 WATERCRESS DRIVE	KUW		7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	~	Construction Completed	N/A	N/A
7/18/2012	1216 WATERCRESS DRIVE	KUW		7	MH 29-9		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	400	1	✓	Construction Completed	N/A	N/A
12/3/2014	1900 WOODROW DRIVE 3218 AVONDALE AVENUE	KUW	First Creel First Creel	7	Lateral Cleanout MH 22-33, Broken Lateral & BBU at 3218 & 3220 Avondale Avenue	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.	15	0.5		N/A N/A	BA/Grease Control BA/Grease Control	12 Months 12 Months
2/28/2011 2/3/2014	3218 BORIGHT DRIVE	KUW		8	MH 40-1	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned. Construction Failure - A failed connection on a temporary system was repaired & the area was cleaned.	2,250	9		N/A N/A	Repair Completed	N/A
1/6/09	3410 BORIGHT DRIVE	KUW		-	MHs 42,43,44 & 45		Heavy rainfall in the area resulted in high flows in the collection system.	4,830	9.5	✓	Construction Underway	N/A	N/A
12/18/09	3410 BORIGHT DRIVE		First Creel	8	MHs 42 & 43		Blockage - Grease. The sewer main was flushed & area was cleaned.	3,310	6	✓ ✓	Construction Underway	BA/Grease Control	6 Months
11/30/10 4/16/2011	3410 BORIGHT DRIVE 3410 BORIGHT DRIVE	KUW		8	MHs 45, 44, 43, 42, 41, 40 and 39 MHs 43 & 44		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.	2,250	8	✓ ✓	Construction Underway Construction Underway	BA N/A	6 Months N/A
1/15/2013	3410 BORIGHT DRIVE	KUW	First Creek	8	MHS 42, 43, & 44		Heavy rainfall in the area resulted in high flows in the collection system.	70,650	28	· · · · · · · · · · · · · · · · · · ·	Construction Underway	N/A	N/A
1/30/2013	3412 BORIGHT DRIVE	KUW	First Creek	8	MHs 43, 46-16, & Lateral Cleanout @ 3618 Boright Drive		Heavy rainfall in the area resulted in high flows in the collection system.	21,300	16	~	Construction Underway	N/A	N/A
6/24/2011	3621 BORIGHT DRIVE	KUW	First Creel		MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	400	3	✓	Construction Underway	N/A	N/A
7/7/2013	3621 & 3618 BORIGHT DRIVE	KUW			MH 46-16 & Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	3,300	1	✓	Construction Underway	N/A	N/A
10/20/2012 5/12/2014	313 FORESTAL DRIVE 330 FORESTAL DRIVE	KUW			MH 7-72 Manhole 7-76		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1.5		N/A N/A	BA	12 Months 6 Months
5/12/2014	2885 TAZEWELL PIKE	KUW					Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	1.500	2		N/A N/A	Repair Completed	N/A
3/1/2011	2415 TECOMA DRIVE	KUW		-	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	60	3		Construction Completed	N/A	N/A
7/2/2011	5936 MONTINA ROAD	KUW	Third Cree		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			Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	5	1		N/A	Repair Completed	N/A
4/18/2011	5546 WILKERSON ROAD	KUW			Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	~	N/A	Repair Completed	N/A
4/28/2011 4/16/2011	5546 WILKERSON ROAD 4100 CENTRAL AVENUE PIKE	KUW	Third Cree Second Cre		Lateral Cleanout MH 17-9		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.	100 800	1 4	×	N/A Construction Completed	Repair Completed N/A	N/A N/A
2/4/2013	4100 CENTRAL AVENUE PIKE		Second Cre		MH 17-9		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A N/A	N/A N/A
7/7/2013	4100 CENTRAL AVENUE PIKE	KUW	Second Cre	k 10	MH 17-9		Heavy rainfall in the area resulted in high flows in the collection system.	36,600	3	~	Construction Completed	N/A	N/A
9/3/2013	4100 CENTRAL AVENUE PIKE		Second Cre		MH 17-9		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	5	0.25	✓	N/A	Repair Completed	N/A
3/3/2011	4105 CENTRAL AVENUE PIKE	-	Second Cre		MH 17-8	ļ	Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A Dessis Completed	N/A
12/16/09 11/18/2012	4315 CLINTON HIGHWAY 4315 CLINTON HIGHWAY		Second Cre Second Cre		Lateral Cleanout Lateral Cleanout		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	4,855	48 Hours Intermittently		N/A N/A	Repair Completed	N/A 12 Months
2/20/2012	604 DUTCH VALLEY DRIVE		Second Cre Second Cre		MH 17-52		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	2,050	2.5		N/A N/A	BA/Grease Control	12 Months
1/25/2012	310 KENSI DRIVE	KUW	Second Cre		Lateral Cleanout & BBU at 312 Kensi Drive	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	325	2.5		N/A	BAIOTEASE CONTO	6 Months
1/12/2011	3922 NERVA ROAD		Second Cre	k 10	MH 17-78		Blockage - Grease. The sewer main was flushed & area was cleaned.	300	1		N/A	BA/Grease Control	6 Months
6/6/2011	114 TILLERY DRIVE		Second Cre		MH 16-1		Broken System - Sag. The sewer main was repaired & the area was cleaned.	15,000	5		Construction Completed	N/A	N/A
1/24/2011 1/14/2013	5926 ANTIGUA LANE 5829 BALL CAMP PIKE	KUW	Third Cree Third Cree		MH 22-11 MH 11-48		Broken System - Offset Joint. The sewer main was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	500	5		N/A N/A	Repair Completed BA/Grease Control	N/A 12 Months
1/14/2013	4912 CAIN ROAD	KUW	Third Cree		Min 11-46 Manhole 27-33 & BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	10,600	2		N/A N/A	BA/Grease Control BA/Grease Control	12 Months 12 Months
11/21/2013	6512 ELLESMERE DRIVE	KUW			MH 52-6	000	Blockage - Roots. The sewer main was flushed & area was cleaned.	450	2		N/A	BA	12 Months
7/1/2012	5745 GOLDENROD CIRCLE	KUW	Third Cree		MH 11-20		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A	BA	12 Months
1/30/2013	3305 MCKAMEY ROAD	KUW			MH 13		Heavy rainfall in the area resulted in high flows in the collection system.	6,400	9		Construction Underway	N/A	N/A
4/16/2011	4421 ROYALVIEW ROAD	KUW			MH 11-157		Heavy rainfall in the area resulted in high flows in the collection system.	750	1		Construction Completed	N/A BA	N/A
2/23/2011 3/11/2013	6505 VINTAGE DRIVE 4728 BALL CAMP PIKE	KUW	Third Cree Third Cree		MH 48-38 Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	150	2		N/A N/A	BA BA/Grease Control	12 Months 6 Months
3/10/2012	4901 BALL CAMP PIKE	KUW			Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,500	4.5		N/A	BA	9 Months
3/30/2014	3921 DEERFIELD ROAD	KUW	Third Cree		MH 9-5		Blockage - Roots. The sewer main was flushed & area was cleaned.	750	2		N/A	BA	6 Months
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 Months
9/28/2012	4205 DRIFTING DRIVE	KUW			MH 31-19		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	2		N/A	BA/Grease Control	12 Months
1/25/10 7/27/2014	4505 MIDDLEBROOK PIKE 4411 PLEASANT RIDGE ROAD	KUW	Third Cree Third Cree		Diversion Structure Manhole 34-4		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	21600 4.300	4		Future Construction Planned Future Construction Planned	N/A BA/Grease Control	N/A 3 Months
2/9/2012	1613 WANDERING ROAD	KUW			MH 52-3		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	3		N/A	BA/Grease Control	12 Months
12/20/2012	3006 CORAM STREET		Second Cre		MH 10-27 & Lateral Cleanout at 222 Radford Place & BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,550	2		N/A	BA	6 Months
2/25/2014	132 WATAUGA AVENUE		Second Cre		MH 10-12		Blockage - Debris. The sewer main was flushed & area was cleaned.	375	1		Construction Underway	N/A	N/A
6/5/09	1411 DAVANNA STREET	-	Second Cre	-	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	3,990	4	~	Construction Completed	N/A N/A	N/A
9/26/09 12/15/09	1411 DAVANNA STREET 1411 DAVANNA STREET		Second Cre Second Cre		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.	350 Unknown	1 Unknown	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
1/25/10	1411 DAVANNA STREET		Second Cre		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 Cre	-	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 Cre		MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	1000	1	✓	Construction Completed	N/A	N/A
12/1/10	1411 DAVANNA STREET		Second Cre		MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	4700	3	~	Construction Completed	N/A	N/A
1/1/2011 2/28/2011	1411 DAVANNA STREET 1411 DAVANNA STREET		Second Cre Second Cre		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.	5,630 5,800,000	3	×	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/16/2011	1411 DAVANNA STREET 1411 DAVANNA STREET	-	Second Cre		MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	1.350	4	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A	N/A N/A
6/24/2011	1411 DAVANNA STREET		Second Cre				Heavy rainfall in the area resulted in high flows in the collection system.	100	1	~	Construction Completed	N/A	N/A
2/25/2011	1124 DELAWARE AVENUE		Second Cre				Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	500	2		N/A	BA/Grease Control	6 Months
12/29/2011	300 E COLUMBIA AVENUE		Second Cre		Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	25	1		Construction Completed	N/A	N/A
8/24/2014 3/5/2013	710 & 707 RADFORD PLACE 1323 TENNESSEE AVENUE		Second Cre Second Cre		Lateral Cleanout MH 21-191 & Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	150 750	1		N/A N/A	BA/Grease Control BA	6 Months 12 Months
5/12/2013	403 W OLDHAM AVENUE		Second Cre Second Cre		Unnamed Manhole		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	47,000	4		N/A N/A	BA Repair Completed	12 Months N/A
4/28/2011	237 W SCOTT AVENUE		Second Cre				Heavy rainfall in the area resulted in high flows in the collection system.	1,000	1		Construction Completed	N/A	N/A
7/20/2012	1620 EDGEWOOD AVENUE	KUW	First Creel		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		First Creel				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.	180	1		N/A Construction Completed	Repair Completed	N/A
3/1/2011 11/25/2013	1521 FAIRMONT BOULEVARD 1921 COKER AVENUE	KUW			Temporary Lateral Connection Lateral Cleanout & BBU	BBU	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.	30	1		N/A	N/A Repair Completed	N/A N/A
7/15/2013	1335 GRAINGER AVENUE	KUW			Subsurface		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	100	1		N/A	Repair Completed	N/A
4/7/2011	3526 BUFFAT MILL ROAD	KUW				BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	300	4		N/A	BA	12 Months
1/6/09	2536 CECIL AVENUE	KUW			MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	4,575	9	1	Construction Completed	BA/Grease Control	6 Months
12/9/09	2536 CECIL AVENUE 2536 CECIL AVENUE		First 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.	40 138060	0.5	✓ ✓	Construction Completed	N/A BA	N/A 6 Months
1/24/10 5/3/10	2536 CECIL AVENUE 2536 CECIL AVENUE		First Creel First Creel				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.	4200	2.25	•	Construction Completed Construction Completed	BA	6 Months
11/30/10	2536 CECIL AVENUE	KUW					Heavy rainfall in the area resulted in high flows in the collection system.	17250	8	· · · · · · · · · · · · · · · · · · ·	Construction Completed	BA	6 Months
2/28/2011	2536 CECIL AVENUE	KUW	First Creel	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	410,000	3	1	Construction Completed	N/A	N/A
3/6/2011	2536 CECIL AVENUE	KUW				ļ	Heavy rainfall in the area resulted in high flows in the collection system.	1,500	3	✓ 	Construction Completed	N/A	N/A
3/9/2011 4/16/2011	2536 CECIL AVENUE 2536 CECIL AVENUE	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.	98,000 24,000	8	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/16/2011 12/4/2011	3319 FOUNTAIN PARK BOULEVARD		First Creek		MH 30-11 MH 72		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	325	4.5		N/A	N/A BA/Grease Control	12 Months
1/23/2012	2848 LONDON CIRCLE	KUW			MH 40		Heavy rainfall in the area resulted in high flows in the collection system.	750	4		N/A	Repair Completed	N/A
2/3/2014	2848 LONDON CIRCLE	KUW	First Creek	18	MH 40 & BBU at 2832 Hoitt Avenue	BBU	Heavy rainfall in the area resulted in high flows in the collection system.	260	1		Future Construction Planned	N/A	N/A
1/15/2013	2541 MITCHELL STREET	KUW	First Creek		MH 30-182		Heavy rainfall in the area resulted in high flows in the collection system.	317,000	120	1	Future Construction Planned		N/A
1/30/2013 7/8/2013	2541 MITCHELL STREET 2541 MITCHELL STREET	KUW	First Creek		MH 30-182 MH 30-182		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.	19,600 19,000	24	√ ./	Future Construction Planned	N/A	N/A
7/8/2013	2541 MITCHELL STREET 2541 MITCHELL STREET	KUW	First Creek First Creek	18 18	MH 30-182 MH 30-182	<u> </u>	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.	19,000	16	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
2/3/2014	2541 MITCHELL STREET		First Creek				Heavy rainfall in the area resulted in high flows in the collection system.	13,100	3	1	Future Construction Planned		N/A
5/6/2013	2541 MITCHELL STREET	KUW	First Creel	18			Heavy rainfall in the area resulted in high flows in the collection system.	12,500	1	~	Future Construction Planned	N/A	N/A
2/15/2012	1421 N BROADWAY	KUW					Blockage - Grease. The sewer main was flushed & area was cleaned.	265	1.5		N/A	BA/Grease Control	6 Months
9/28/06	302 SEVENTH AVENUE	KUW	First Creek		MHs 15 & 16		Blockage - Roots. The sewer main was flushed & area was cleaned.	6209	6	✓ 	Future Construction Planned	BA	6 Months
2/6/04	304 SEVENTH AVENUE	KUW			MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	6660	18.5	✓ ✓	Future Construction Planned	BA	12 Months
12/9/04 11/1/06	304 SEVENTH AVENUE 304 SEVENTH AVENUE	KUW			MH 15 MH 15	<u> </u>	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.	26,928 558	5	✓ ✓	Future Construction Planned Future Construction Planned	BA BA	12 Months 6 Months
1/8/07	304 SEVENTH AVENUE	-	First Creek				Blockage - Roots. The sewer main was flushed & area was cleaned.	720	2	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned	BA	6 Months
	· · ·	1							•	•		*	

Date	Street #	Street	Plant	Watershed	Basin Overflow Location	Private Property	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
1/24/10		SEVENTH AVENUE	KUW	First Creek	18 MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	90	3		Future Construction Planned	BA	6 Months
3/4/2011 4/18/2011		SEVENTH AVENUE SEVENTH AVENUE	KUW KUW		18 MH 15 18 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.	200 200	1		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/28/2011		SEVENTH AVENUE	KUW	First Creek	18 MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	5	1	✓	Future Construction Planned		N/A
6/25/2011 2/11/2014		SEVENTH AVENUE WHITTLE SPRINGS ROAD	KUW		18 MH 15 18 Combination Cleaner		Heavy rainfall in the area resulted in high flows in the collection system. Construction Failure - Capacity exceeded on Combination Cleaner and the area was cleaned.	200	1		Future Construction Planned N/A	N/A Repair Completed	N/A N/A
1/23/2012	3148	WILDERNESS ROAD	KUW	First Creek	18 MH 51 & 52		Heavy rainfall in the area resulted in high flows in the collection system.	3,000	4		N/A	Repair Completed	N/A
1/7/2011 9/24/2012		E FIFTH AVENUE LINDEN AVENUE		Williams Creek Williams Creek			Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	900 250	2		N/A N/A	BA/Grease Control BA/Grease Control	12 Months 12 Months
5/9/2011	2639	LOUISE AVENUE	KUW	Williams Creek	19 MH 5-1		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	540,000	24		N/A	BA/Grease Control	12 Months
12/10/2011 7/16/2012		MILLIGAN STREET SELMA AVENUE		Williams Creek Williams Creek			Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	10 350	1		N/A N/A	Repair Completed BA	N/A 12 Months
1/8/2011	2726	WILSON AVENUE	KUW	Williams Creek	19 MH 8-1		Blockage - Grease. The sewer main was flushed & area was cleaned.	760	1.5		N/A	BA/Grease Control	12 Months
2/16/2011 4/24/2011		ASHEVILLE HIGHWAY BONNIE VIEW AVENUE		Loves Creek Loves Creek	20 MH 11-3 20 MH 74-8		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	2,300	3		N/A N/A	Repair Completed BA/Grease Control	N/A 6 Months
1/18/2013	3439	E MAGNOLIA AVENUE	LC	Loves Creek	20 MH 61		Heavy rainfall in the area resulted in high flows in the collection system.	25	1		Future Construction Planned	N/A	N/A
2/4/08 8/11/2011		N BEAMAN STREET N BEAMAN STREET	-	Loves Creek Loves Creek	20 MH 61-8 20 MH 61-8		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	180 10	1 0.25	✓	Construction Completed Construction Completed	BA	6 Months 6 Months
7/20/2012	516	N BEAMAN STREET		Loves Creek	20 MH 61-8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A	N/A
1/24/10		SANDIS LANE SANDIS LANE		Loves Creek Loves Creek	20 Influent Structure		WWTP - Electrical Failure. Electricity was restored.	190000 7,000	0.75		N/A N/A	N/A Repair Completed	N/A N/A
2/8/2012 9/18/2012		SANDIS LANE		Loves Creek		+	Broken System - Broken Force Main. Force main was repaired & the area cleaned. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1,000,800	2		N/A N/A	Repair Completed Repair Completed	N/A N/A
10/16/2012 7/30/08		HILTON ROAD	KUW KUW		21 MH 10-64 21 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	9 Months 6 Months
11/23/2011		LANCE DRIVE		Third Creek Third Creek			Blockage - Roots. The sewer main was flushed & area was cleaned.	4,900	3		N/A N/A	BA	6 Months
4/21/2011		MIDDLEBROOK PIKE MIDDLEBROOK PIKE	KUW	Thind brook	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
2/7/2012 1/16/2013		MIDDLEBROOK PIKE	KUW KUW		21 Dewatering Containment 21 MHs 1 & 27-54		Construction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	150 10,000	0.1		N/A Future Construction Planned	Repair Completed N/A	N/A N/A
7/9/2013			KUW		21 MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	√	Future Construction Planned	N/A BA/Grease Control	N/A 6 Months
4/28/2013 12/12/2013		JOUROLMAN AVENUE KEITH AVENUE	KUW KUW		22 MHs 6-194 & 6-219 & BBU 22 Lateral Cleanout & BBU	BBU BBU	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	6,350 105	6		N/A Future Construction Planned	BA/Grease Control N/A	6 Months N/A
6/4/2013	2111	SCHOFIELD STREET	KUW	Third Creek	22 MH 13		Construction Failure - Broken Gravity Main. The sewer main was repaired and the area was cleaned.	40,000	3		N/A	Repair Completed	N/A
4/28/2012 12/9/2013		STERCHI STREET SYCAMORE DRIVE	KUW		22 MH 11-44 22 Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	30 550	1		N/A N/A	BA Repair Completed	6 Months N/A
11/17/2011	1919	TENNESSEE AVENUE	KUW	Third Creek	22 2 Lateral Cleanouts		Blockage - Debris. The sewer main was flushed & area was cleaned.	900	2		N/A	BA	12 Months
4/8/2013 9/18/2012		WESTERN AVENUE BERNARD AVENUE	KUW	Third Creek Second Creek	22 MH 18-86 23 MHs 98 & 101		Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	20,000	7.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
2/20/09	-	SIXTEENTH AVENUE		Second Creek	23 MH 21-33	+	Blockage - Grease. The sewer main was flushed & area was cleaned.	255	1		N/A	BA/Grease Control	6 Months
8/15/2011 1/26/2011		SIXTEENTH STREET SIXTEENTH STREET		Second Creek Second Creek			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 1.5		N/A N/A	BA Repair Completed	12 Months N/A
5/1/2014		SUMMER PLACE	-	Second Creek			Construction Failure by Customer. The sewer main was flushed to clear the blockage and area was cleaned.	8,700	4		N/A N/A	Repair Completed	N/A N/A
11/5/2013		VAN STREET		Second Creek			Blockage - Grease. The sewer main was flushed & area was cleaned.	80	1		N/A Construction Completed	BA/Grease Control	6 Months
8/12/09 4/27/2013		VAN STREET VAN STREET		Second Creek Second Creek			Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	Unknown 1,000	Unknown 4	✓	Construction Completed N/A	BA/Grease Control BA/Grease Control	N/A 6 Months
3/1/2011		W BAXTER AVENUE		Second Creek			Heavy rainfall in the area resulted in high flows in the collection system.	800,000	4		Construction Completed	N/A	N/A
9/9/2013 10/3/2013		W BAXTER AVENUE W FIFTH AVENUE		Third Creek Second Creek			Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	360 1,300	0.5		N/A N/A	BA BA/Grease Control	12 Months 3 Months
6/7/2011		W FOURTH AVENUE		Second Creek			Blockage - Debris. The sewer main was flushed & area was cleaned.	5,550	1.5		N/A	BA	12 Months
8/4/2011 6/14/2011		WORLDS FAIR PARK DRIVE E FIFTH AVENUE		Second Creek First Creek	23 MH 19-9 24 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.	300 7,800	2		Construction Completed N/A	N/A Repair Completed	N/A N/A
12/9/2012	1814	E GLENWOOD AVENUE	KUW	First Creek	24 MH 25-49		Blockage - Grease. The sewer main was flushed & area was cleaned.	410	3		Construction Completed	BA/Grease Control	6 Months
9/5/2011 9/18/2012		JEFFERSON AVENUE	KUW		24 MH 25-18 & Lateral Cleanout 24 MH 25-18		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.	2,700	5	× ×	Construction Completed Construction Completed	N/A N/A	N/A N/A
1/15/2013	1903	JEFFERSON AVENUE	KUW	First Creek	24 MH 25-18		Heavy rainfall in the area resulted in high flows in the collection system.	75	1		Construction Completed	N/A	N/A
1/30/2013 11/30/10		JEFFERSON AVENUE JEFFERSON AVENUE	KUW		24 MH 25-18 24 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.	875	4	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
11/16/2011	1908	JEFFERSON AVENUE	KUW		24 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	50	1		Construction Completed	N/A	N/A
1/23/2012 6/18/2013		JEFFERSON AVENUE JEFFERSON AVENUE	KUW		24 Lateral Cleanouts at 1907, 1908, & 1909 Jefferson Ave 24 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.	150 50	0.5		Construction Completed Construction Completed	N/A N/A	N/A N/A
4/2/2012		JEFFERSON AVENUE	KUW		24 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	40	1	✓	Construction Completed	N/A	N/A
			KUW		24 2 Lateral Cleanouts		Heavy rainfall in the area resulted in high flows in the collection system.	750	1	✓	Construction Completed	N/A	N/A
2/15/2011 5/30/2013		MARTIN LUTHER KING JR DRIVE WASHINGTON AVENUE	KUW KUW	First Creek First Creek	24 MH 6-154 24 MH 24-13		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	30 210	1		N/A N/A	BA/Grease Control BA	6 Months 3 Months
2/28/2011		WASHINGTON AVENUE	KUW		24 MH 25-114		Heavy rainfall in the area resulted in high flows in the collection system.	190,000	4		Construction Completed	N/A	N/A 6 Months
10/6/2014 8/17/2012		WOODBINE AVENUE BEN HUR AVENUE	KUW	First Creek Williams Creek	24 Lateral Cleanout 25 Broken Lateral & BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	350 60	0.5		Construction Completed N/A	BA BA	6 Months
2/16/2011		BEN HUR AVENUE		Williams Creek	25 Abandoned Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	500	1.5		N/A	BA	6 Months
7/7/2011 9/7/2011		GRAVES STREET MOHAWK AVENUE		Williams Creek Williams Creek			Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	500 5,400	1		N/A N/A	BA/Grease Control BA/Grease Control	3 Months 12 Months
7/8/2012	2111	MOHAWK AVENUE	KUW	Williams Creek	25 MH 4-2		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,100	5		N/A	Repair Completed	N/A
2/28/2011 7/7/2013		RIVERSIDE DRIVE RIVERSIDE DRIVE		Williams Creek Williams 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.	720,000 6,000	4 1		Future Construction Planned Future Construction Planned		N/A N/A
3/27/2013		SELMA AVENUE		Williams Creek	25 Lateral Cleanout	+	Blockage - Grease. The sewer main was flushed & area was cleaned.	800	1		N/A	BA/Grease Control	6 months
2/26/2014 11/12/2011		TRIGG STREET ANDES ROAD		Williams Creek Loves Creek			Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	1,500 250	7 2		N/A N/A	Repair Completed BA/Grease Control	N/A 12 Months
1/20/2011	5405	GREEN VALLEY DRIVE	LC	Loves Creek	26 Air Release Valve	++	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	20	0.5		Construction Completed	N/A	N/A
3/9/2011 10/24/2012		GREEN VALLEY DRIVE GREEN VALLEY DRIVE		Loves Creek Loves Creek			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	1 0.25	√	Construction Completed N/A	N/A Repair Completed	N/A N/A
3/2/2011	5508	GREEN VALLEY DRIVE	LC	Loves Creek	26 Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	2,025	1	√	Construction Completed	N/A	N/A
7/25/2013 2/24/2014		GREEN VALLEY DRIVE HOLSTON HILLS ROAD		Loves Creek Loves Creek			Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	10 50	0.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
2/28/2011	4014	HOLSTON HILLS ROAD	LC	Loves Creek	26 MHs 72 &75	ł	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 3/1/2012		HOLSTON HILLS ROAD MONTVIEW ROAD		Loves Creek Loves Creek			Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned.	200	1	<u> </u>	Future Construction Planned N/A	N/A BA	N/A 12 Months
2/24/2011	1204	PICKWICK ROAD	LC	Loves Creek	26 Lateral Cleanout	ł	Blockage - Grease. The sewer main was flushed & area was cleaned.	30	1		N/A	BA/Grease Control	12 Months
11/7/2013 6/25/2014		AMHERST ROAD AMHERST ROAD		Fourth Creek Fourth Creek			Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	200 470	0.25		N/A N/A	Repair Completed BA	N/A 12 Months
6/10/2013	1725	AMHERST ROAD	FC	Fourth Creek	27 Lateral Cleanout	ł	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
3/18/2014 5/16/2013		DICK LONAS ROAD DOWELL SPRINGS BOULEVARD		Fourth Creek Fourth Creek			Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	40	1 0.5		N/A N/A	Repair Completed BA	N/A 12 Months
12/13/2014	3109	LAKE BROOK BOULEVARD	FC	Fourth Creek	27 Manhole 24-135		Blockage - Grease. The sewer main was flushed & area was cleaned.	2,000	4		N/A	BA/Grease Control	12 Months
11/23/2011			FC	Fourth Creek	27 MH 9-21		Blockage - Grease. The sewer main was flushed & area was cleaned.	40	1		N/A Construction Completed	BA/Grease Control	6 Months
2/23/2011 3/1/2011		OLD AMHERST ROAD OLD AMHERST ROAD		Fourth Creek Fourth Creek		+	Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	3,000 50	4 1	✓ ✓	Construction Completed Construction Completed	BA/Grease Control N/A	12 Months N/A
7/13/2012		PINEY GROVE CHURCH ROAD	FC	Fourth Creek	27 MH 49-110		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,800	3		N/A	BA Boppir Completed	12 Months
5/8/2013 9/17/2013		WEST HILLS ROAD COX STREET	FC KUW	Fourth Creek Third Creek	27 MH 54 28 Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Broken System - Leaking Joint on Gravity Main. The sewer main was repaired & the area was cleaned.	400 75	סו 1		N/A N/A	Repair Completed Repair Completed	N/A N/A
		CROSBY DRIVE		Third Creek	28 MH 27-3		Blockage - Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	75 150	1		N/A N/A	BA	6 Months N/A
4/5/2011	1001												
	4604	CROSBY DRIVE MIDDLEBROOK PIKE	KUW	Third Creek Third Creek	28 MH 36 28 MH 16-19	1	Vandalism. Blockage was removed & the area was cleaned.	5	0.25		N/A	Repair Completed Repair Completed	N/A
4/5/2011 7/31/2013	4604 3807 409		KUW KUW		28 MH 16-19 28 MH 3-53				0.25 1 1.25	✓ ✓			

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
	9 N BELLEMEADE AVENUE	KUW	Third Creek	28 Underground Flow	Blockage - Grease. The sewer main was flushed & area was cleaned.	2805	27	√	Construction Completed	BA/Grease Control	1 Month
	9 N BELLEMEADE AVENUE	KUW		28 MH 3-53	Heavy rainfall in the area resulted in high flows in the collection system.	2640	22	✓	Construction Completed	BA	1 Month
	9 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
	9 N BELLEMEADE AVENUE 9 N BELLEMEADE AVENUE	KUW KUW	Third Creek Third Creek	28 MH 3-53 28 MH 3-53	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.	300	1	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
	9 N BELLEMEADE AVENUE	KUW	Third Creek	28 MH 3-53	Heavy rainfail in the area resulted in high flows in the collection system.	500	1	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A	N/A
	9 N BELLEMEADE AVENUE	KUW	Third Creek	28 MH 3-53	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	√	Construction Completed	N/A	N/A
	5 AILOR AVENUE	KUW	Third Creek	29 Lateral Cleanout	Blockage - Debris. The sewer main was flushed & area was cleaned.	200	1		N/A	BA	12 Months
	1 AILOR AVENUE 0 CITICO STREET	KUW	Third Creek Third Creek	29 MH 16 29 Manhole 60-4	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	5,600	2		N/A N/A	BA BA/Grease Control	12 Months 6 Months
	8 FOREST AVENUE	KUW	Third Creek	29 MH 9-12	Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.	500	2		N/A	Repair Completed	N/A
	3 KINGSTON PIKE	KUW	Third Creek	29 Broken Gravity Main	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	200	10		Construction Completed	N/A	N/A
	3 KINGSTON PIKE 2 NINETEENTH AVENUE	KUW KUW		29 Temporary Sewer Main 29 Floor Drain and BBU	Construction Failure - A failed connection on a temporary system was repaired & the area was cleaned. BBU Blockage - Debris. The sewer main was flushed & area was cleaned.	25	1 0.75		Construction Completed N/A	N/A BA	N/A 9 Months
	1 SUTHERLAND AVENUE	KUW	Third Creek Third Creek		Blockage - Grease and Debris. The server main was flushed & area was cleaned. Blockage - Grease and Debris. The server main was flushed & area was cleaned.	700	2		N/A N/A	BA/Grease Control	12 Months
8/16/10 815	5 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		Construction Underway	N/A	N/A
	5 S CENTRAL STREET	KUW	First Creek	30 MH 3-7	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.	100	8 120 Hours Intermittently		Construction Underway	N/A	N/A
	3 STATE STREET 0 W HILL AVENUE	KUW	First Creek First Creek	30 Broken Gravity Main 30 Unnamed MH	Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	300	8		N/A N/A	Repair Completed Repair Completed	N/A N/A
	0 E HILL AVENUE		Williams Creek		Biokage - Grease. The sewer main was flushed & area was cleaned.	180	1		N/A	BA/Grease Control	12 Months
	4 RIVERSIDE DRIVE	-	Williams Creek		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	1	✓	Future Construction Planned	N/A	N/A
	4 RIVERSIDE DRIVE		Williams Creek		Heavy rainfall in the area resulted in high flows in the collection system.	1,000	1	~	Future Construction Planned	N/A	N/A
	4 RIVERSIDE DRIVE 4 RIVERSIDE DRIVE		Williams Creek Williams 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.	200,000 628,000	28	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
	4 RIVERSIDE DRIVE		Williams Creek		Heavy rainfall in the area resulted in high flows in the collection system.	13,100	14	✓	Future Construction Planned	N/A	N/A
	8 RIVERSIDE DRIVE		Williams Creek		Heavy rainfall in the area resulted in high flows in the collection system.	24,400	2	~	Future Construction Planned	Repair Completed	N/A
	8 COLEMAN ROAD	FC	Fourth Creek		Broken System - Broken Gravity Main. The sever main was repaired & the area was cleaned.	40	1		N/A	Repair Completed	N/A
	0 KIRBURY LANE 8 KINGSTON PIKE	FC KUW	Fourth Creek Third Creek	33 MH 65-19 34 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	2		N/A N/A	Repair Completed	12 Months N/A
	1 KINGSTON PIKE		Third Creek	34 MH 58	Heavy rainfall in the area resulted in high flows in the collection system.	5,600	11		Construction Completed	N/A	N/A
	1 KINGSTON PIKE	FC	Fourth Creek		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	290	1.4		Construction Completed	N/A	N/A
	1 KINGSTON PIKE 1 KINGSTON PIKE	FC KUW	Fourth Creek Third Creek	34 MH 58 34 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
	2 LYONS VIEW PIKE	KUW	Third Creek	34 MH 58 34 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	510	6.5	•	N/A	Repair Completed	N/A
	2 LYONS VIEW PIKE	KUW		34 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.25	\checkmark	N/A	Repair Completed	N/A
	4 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
	6 HANSMORE PLACE	FC	Fourth Creek		Blockage - Debris. The sewer main was flushed & area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	100	3		N/A	BA Densis Completed	12 Months
	8 WESTLAND DRIVE	FC FC	Fourth Creek Fourth Creek		Broken System - Brockage by Construction Debris. The sewer main was rlushed & the area was cleaned.	7,500 57,000	8		N/A N/A	Repair Completed Repair Completed	N/A N/A
	8 WHITOWER DRIVE		Fourth Creek		Broken System - Dioken Granty waar, the seven main is repared of the area was cleaned. Broken System - Seven Main Collapse. The seven main is repared and the area was cleaned.	120	2		N/A	Repair Completed	N/A
1/11/2013 1705	5 COTTAGEWOOD WAY	FC	Fourth Creek	37 Lateral	Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	15	6		N/A	Repair Completed	N/A
	0 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	WWTP - Electrical Failure. Electricity was restored.	1,916,000	2	✓ ✓	N/A	Repair Completed	N/A
	0 LYONS BEND ROAD 0 LYONS BEND ROAD	FC FC	Fourth Creek Fourth Creek	37 MH 1 37 MH 1	Heavy rainfall in the area resulted in high flows in the collection system. WWTP - Mechanical Failure. Plant was reinstated.	134,000 569.000	0.13	✓ ✓	Construction Underway N/A	N/A Repair Completed	N/A N/A
1000	0 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	136.000	2	✓	Construction Underway	N/A	N/A
2/16/03 1500	0 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	871,000	6	✓	Construction Underway	N/A	N/A
	0 LYONS BEND ROAD	FC	Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	26,710	8.5	✓ ✓	Construction Underway	N/A	N/A
	0 LYONS BEND ROAD 0 LYONS BEND ROAD	FC FC	Fourth Creek Fourth Creek	37 MH 1 37 MH 1	WWTP - Electrical Failure. Electricity was restored. WWTP - Electrical Failure. Electricity was restored.	1,500,000	3 3.14	× · · · · · · · · · · · · · · · · · · ·	Construction Underway Construction Underway	N/A N/A	N/A N/A
	0 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	WWTF = Litectrical Failure. Electricity was restored.	48,650	0.33	· · · · · · · · · · · · · · · · · · ·	N/A	Repair Completed	N/A
	0 LYONS BEND ROAD	FC	Fourth Creek	37 Primary Clarifiers 3, 4, 5 & 6	Heavy rainfall in the area resulted in high flows in the collection system.	2000	0.58		Construction Underway	N/A	N/A
	0 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	WWTP - Mechanical Failure. Plant was reinstated.	102,483	0.5	×	N/A	Repair Completed	N/A
	0 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	250	0.007	✓	Construction Underway	N/A	N/A
	0 LYONS BEND ROAD 0 LYONS BEND ROAD	FC FC	Fourth Creek Fourth Creek	37 Aeration Splitter Box 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.	29,123	2.67	✓	Construction Underway Construction Underway	N/A N/A	N/A N/A
	0 LYONS BEND ROAD	FC	Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	50,410	2	× · · · · · · · · · · · · · · · · · · ·	Construction Underway	N/A N/A	N/A N/A
9/23/06 1500	0 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
	0 LYONS BEND ROAD	FC	Fourth Creek		Broken System - Sludge Line Valve Failure. The valve was replaced & the area cleaned.	25	0.58		N/A	Repair Completed	N/A
	0 LYONS BEND ROAD 0 LYONS BEND ROAD	FC FC	Fourth Creek Fourth Creek	37 MH 1 37 MH 1	WWTP - Electrical Failure. Electricity was restored. WWTP - Electrical Failure. Electricity was restored.	40,000 480.000	0.06	¥	Construction Underway N/A	N/A Repair Completed	N/A N/A
	0 LYONS BEND ROAD	FC			Heavy rainfall in the area resulted in high flows in the collection system.	74000	1.62	· · ·	Construction Underway	N/A	N/A
	0 LYONS BEND ROAD	FC			Heavy rainfall in the area resulted in high flows in the collection system.	1840000	11.5		Construction Underway	N/A	N/A
	0 LYONS BEND ROAD	FC			Heavy rainfall in the area resulted in high flows in the collection system.	380,000	2.82	✓	Construction Underway	N/A	N/A
	0 LYONS BEND ROAD 0 LYONS BEND ROAD	FC FC	Fourth Creek Fourth 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.	590,000 160,000	5.75 2.38	×	Construction Underway Construction Underway	N/A N/A	N/A N/A
	0 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	350,000	2.82	~	Construction Underway	N/A	N/A
4/28/2011 1500	0 LYONS BEND ROAD	FC	Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	680,000	5.82	✓	Construction Underway	N/A	N/A
	0 LYONS BEND ROAD		Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	1,240,000	17.35	✓	Construction Underway	N/A	N/A
	0 LYONS BEND ROAD	FC	Fourth 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.	398,650	6.42	✓ ✓	Construction Underway	N/A N/A	N/A N/A
	0 LYONS BEND ROAD 0 LYONS BEND ROAD	FC FC	Fourth Creek Fourth Creek		WWTP - Electrical Failure. Electricity was restored.	40,000 97,300	0.08	· · · · · · · · · · · · · · · · · · ·	Construction Underway N/A	N/A Repair Completed	N/A N/A
	0 LYONS BEND ROAD	FC	Fourth Creek		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1,823,600	8.5	√	N/A	Repair Completed	N/A
	0 LYONS BEND ROAD	FC		37 MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	4,285,300	36.26	✓	Construction Underway	N/A	N/A
	0 LYONS BEND ROAD		Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	905,700	9.17	√	Construction Underway	N/A Densis Completed	N/A
	0 LYONS BEND ROAD 0 LYONS BEND ROAD	FC FC	Fourth Creek Fourth Creek		Electrical Failure - WWTP. Electricity was restored and the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	1,660,879	5.18 8.75	✓ ✓	N/A Construction Underway	Repair Completed N/A	N/A N/A
	0 LYONS BEND ROAD	FC	Fourth Creek		Electrical Failure - WWTP. Electricity was restored and the area was cleaned.	227,000	0.93	~	Construction Underway	N/A N/A	N/A N/A
10/8/2012 5032	2 LYONS VIEW PIKE	FC	Fourth Creek	37 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	4	1.5	~	N/A	Repair Completed	N/A
	2 LYONS VIEW PIKE	FC FC	Fourth Creek		Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1.5	✓ ✓	N/A N/A	Repair Completed	N/A N/A
	2 LYONS VIEW PIKE 4 POLKWRIGHT LANE		Fourth Creek Fourth Creek		Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	0.25	•	N/A N/A	Repair Completed Repair Completed	N/A N/A
	2 POLKWRIGHT LANE	FC	Fourth Creek		Grinder Fump Faulter. Fump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A N/A
3/12/2011 1712	2 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 POLKWRIGHT LANE	FC	Fourth Creek		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
	2 POLKWRIGHT LANE 8 POLKWRIGHT LANE	FC FC	Fourth Creek Fourth Creek		Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.08		N/A N/A	Repair Completed Repair Completed	N/A N/A
9/25/06 6410	0 S NORTHSHORE DRIVE	FC	Fourth Creek	37 MH 8	Heavy rainfall in the area resulted in high flows in the collection system.	304380	6		Construction Completed	N/A	N/A
2/19/10 6410	0 S NORTHSHORE DRIVE		Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Completed	N/A	N/A
		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.	Unknown 19.000	Unknown 5	✓ ✓	Construction Completed	N/A N/A	N/A
	0 S NORTHSHORE DRIVE 0 S NORTHSHORE DRIVE	FC	Fourth Creek Fourth Creek	37 MH 8 37 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.	19,000 8,700	5	v ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
	0 S NORTHSHORE DRIVE	FC	Fourth Creek		Heavy rainfail in the area resulted in high flows in the collection system.	13,000	1	√	Construction Completed	N/A N/A	N/A N/A
9/18/2012 6410	0 S NORTHSHORE DRIVE	FC	Fourth Creek	37 MH 8	Heavy rainfall in the area resulted in high flows in the collection system.	40,000	2	✓	Construction Completed	N/A	N/A
	0 S NORTHSHORE DRIVE	FC	Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	5,800	4	√	Construction Completed	N/A	N/A
	0 S NORTHSHORE DRIVE 0 ALTA VISTA WAY	FC KUW	Fourth Creek Third Creek	37 MH 8 38 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.	Unknown 13,000	Unknown 2	*	Construction Completed N/A	N/A BA	N/A 12 Months
	7 CHEOWA CIRCLE	KUW	Third Creek	38 Broken Gravity Main 38 Manhole 1-2	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	Unknown	Unknown		N/A Future Construction Planned	Repair Completed	12 Months N/A
	0 CHEROKEE BOULEVARD	KUW	Third Creek	38 Broken Gravity Main	Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	3,500	1		N/A	BA	12 Months
12/4/2011 520											N1/A
12/4/2011 520 5/25/2011 1917	7 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
12/4/2011 520 5/25/2011 1917 5/2/2011 3604		KUW KUW KUW	Third Creek Third Creek Third Creek	38 MH 25 38 MH 1-115 38 MH 24-168	Heavy rainfail 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 - Debris. The sever main was flushed & area was cleaned.	100 30	Unknown 6 1		Future Construction Planned Construction Completed N/A	N/A N/A BA	N/A N/A 6 Months

				Private Property				Event occurred two or more		Short-Term Controls	4
Date	Street # Street	Plant Watershed Basin	Overflow Location	Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	times within 12 months	Long-Term Capital Project	Blockage Abatement (BA)	
10/4/2013 5/10/09	3547 TALAHI DRIVE 3560 TALAHI DRIVE	KUW Third Creek 38 KUW Third Creek 38	MH 13-54 Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	180	2		N/A N/A	BABA	12 Months 12 Months
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 Months
1/31/2011	4216 VALENCIA ROAD	KUW Third Creek 38	MH 49-9		Blockage - Roots. The sewer main was flushed & area was cleaned.	65	2 0.17		N/A	BA	6 Months
10/24/2013 1/14/2013	3847 WILANI ROAD 3704 CHAPMAN HIGHWAY	KUW Third Creek 38 KUW South Knoxville 39	Lateral Cleanout MHs 28-53 & 28-54		Blockage - Debris. The sewer main was flushed & area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	20 510	1		N/A N/A	BA Repair Completed	12 Months N/A
9/17/2012	4600 CHAPMAN HIGHWAY	KUW South Knoxville 39	MHs 81 & 82		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	4,900	6		N/A	Repair Completed	N/A
3/8/03	4411 CYPRESS LANE	KUW South Knoxville 39	MH 62-21		Blockage - Roots. The sewer main was flushed & area was cleaned.	1440	8		N/A	BA	12 Months
4/21/06	4411 CYPRESS LANE	KUW South Knoxville 39	MH 62-21		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	225	3		N/A	BA	3 Months
2/28/2011 10/28/2012	113 DRINNEN AVENUE 4500 E END ROAD	KUW South Knoxville 39 KUW South Knoxville 39	MHs 28-26 & 28-27 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.	600 20	2		Construction Completed N/A	N/A BA	N/A 12 Months
2/16/2011	512 FLENNWOOD WAY	KUW South Knoxville 39	MH 61		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	3,200	3		N/A	BA/Grease Control	6 Months
3/19/2011	123 INGERSOLL AVENUE	KUW South Knoxville 39	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	12	1		N/A	BA	6 Months
6/12/2013 7/22/2012	4714 JULIAN STREET 3616 KEITH AVENUE	KUW South Knoxville 39 KUW Third Creek 39	MH 40-28 MH 15-145		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	1,500	3		N/A N/A	BA	6 Months 6 Months
7/7/2012	438 MARYVILLE PIKE	KUW South Knoxville 39	MH 3-143 MHs 27-2 & 27-3		Heavy rainfall in the area resulted in high flows in the collection system.	800	1		Construction Completed	N/A	N/A
3/29/2011	702 REDWINE STREET	KUW South Knoxville 39	MH 5		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	100	0.25		N/A	Repair Completed	N/A
10/20/09	850 TALLY HO DRIVE	KUW South Knoxville 39	MH 62-21		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	1,870	2		N/A	BA	6 Months
2/17/2011 11/28/2011	850 TALLY HO DRIVE 2110 ATCHLEY STREET	KUW South Knoxville 39 KUW South Knoxville 40	MH 62-21 MH 1-80		Broken System - Broken Gravity Main. The sewer main was rushed & area was cleaned.	150	2		N/A N/A	BA/Grease Control Repair Completed	9 Months N/A
1/7/2013	1000 BAKER AVENUE	KUW South Knoxville 40	MH 40-7		Blockage - Roots. The sewer main was flushed & area was cleaned.	450	1		N/A	BA	6 Months
10/26/2013	1216 BAKER AVENUE	KUW South Knoxville 40	Lateral Cleanout and BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.	10	0.25		N/A	BA/Grease Control	6 Months
9/10/2012	423 BUSBEE ROAD 1127 E MOODY AVENUE	KUW South Knoxville 40 KUW South Knoxville 40	MH 47-94 MH 40-3		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	25 600	2		N/A Construction Completed	Repair Completed N/A	N/A N/A
2/28/2011 11/13/2014	1415 E MOODY AVENUE	KUW South Knoxville 40 KUW South Knoxville 40	Min 40-3 Manhole 36-4		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned.	1,400	2		Construction Completed N/A	BA	12 Months
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 9/23/06	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.	60 10560	1	√	Construction Completed	N/A N/A	N/A
9/23/06 8/6/09	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. Heavy rainfall in the area resulted in high flows in the collection system.	10560	0.5	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/26/09	3741 EAKERS STREET	KUW South Knoxville 40	MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	1,900	3	✓	Construction Completed	N/A	N/A
1/25/10	3741 EAKERS STREET	KUW South Knoxville 40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓ 	Construction Completed	N/A	N/A
5/3/10 12/1/10	3741 EAKERS STREET 3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40	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.	450 1500	2.5	×	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/1/2011	3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40	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.	67,500	3	✓	Construction Completed	N/A N/A	N/A N/A
4/16/2011	3741 EAKERS STREET	KUW South Knoxville 40	MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	1,900	1	√	Construction Completed	N/A	N/A
4/28/2011 1/24/2012	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. Heavy rainfall in the area resulted in high flows in the collection system.	100 Unknown	1 Unknown	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
1/24/2012 9/18/2012	3741 EAKERS STREET 3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40	MH 47 MH 47-103		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	Unknown 3		Construction Completed	N/A N/A	N/A
3/7/2011	243 GILBERT LANE	KUW South Knoxville 40	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	5,000	2		N/A	BA/Grease Control	6 Months
1/24/2011	500 MIMOSA AVENUE 1827 PRICE AVENUE	KUW South Knoxville 40 KUW South Knoxville 40	MH 1-85 Lateral Cleanout		Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	10,000 125	5		N/A	Repair Completed N/A	N/A N/A
10/14/2014 5/16/2013	2327 SOUTH HAVEN ROAD	KUW South Knoxville 40 KUW South Knoxville 40	MH 24-27		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.	125 Unknown	Unknown		Future Construction Planned N/A	N/A Repair Completed	N/A N/A
7/7/2013	2327 SOUTH HAVEN ROAD	KUW South Knoxville 40	MH 24-27		Heavy rainfall in the area resulted in high flows in the collection system.	500	1		N/A	Repair Completed	N/A
10/12/2012	521 TALIWA DRIVE	KUW South Knoxville 40	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	3		N/A	Repair Completed	N/A
2/16/03 3/13/03	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41	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	2 0.5	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/20/03	961 E FORD VALLEY ROAD	KUW Knob Creek 41	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	600	0.34	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A N/A	N/A N/A
3/30/03	961 E FORD VALLEY ROAD	KUW Knob Creek 41	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	9000	3	√	Construction Completed	N/A	N/A
3/31/03	961 E FORD VALLEY ROAD	KUW Knob Creek 41	Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	1500	0.5	~	Construction Completed	N/A	N/A
5/7/03 12/30/03	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system. Construction Failure - Sewer Main Flushing. The area was cleaned.	2100	0.17	✓ ✓	Construction Completed Construction Completed	N/A N/A	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 6/25/04	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW 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	1	√ √	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/23/04	961 E FORD VALLET ROAD	KUW Knob Creek 41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	9000	5	•	Construction Completed	N/A N/A	N/A N/A
9/24/07	961 E FORD VALLEY ROAD	KUW Knob Creek 41	Broken Force Main		Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	4,500	1.5		Construction Completed	Repair Completed	N/A
1/6/09 8/24/09	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41	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.	<u>60,000</u> 100	10 0.17	×	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/23/09	961 E FORD VALLET ROAD	KUW Knob Creek 41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	14.400	8	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A N/A	N/A N/A
9/26/09	961 E FORD VALLEY ROAD	KUW Knob Creek 41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	6,000	2	✓	Construction Completed	N/A	N/A
9/27/09	961 E FORD VALLEY ROAD	KUW Knob Creek 41	Wetwell		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	1,800	1	√	Construction Completed Construction Completed	N/A	N/A
6/17/2011 9/18/2012	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41	Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	200 97,500	0.16		Construction Completed	N/A N/A	N/A N/A
7/13/2011	719 E LAKE FOREST DRIVE	KUW Knob Creek 41	Lateral Cleanout and BBU	BBU	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	225	0.083		N/A	Repair Completed	N/A
9/18/2014	201 EAST RED BUD ROAD	KUW Knob Creek 41	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	5	1		N/A	BA	12 Months
2/8/2012 1/16/2013	736 GREENMEADOWS DRIVE 201 HERMITAGE DRIVE	KUW Knob Creek 41 KUW Knob Creek 41	MH 24-1 MH 66-69		Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	250 1,225	8		N/A Future Construction Planned	BA/Grease Control N/A	12 Months N/A
12/12/09	5227 MCNUTT ROAD	KUW Knob Creek 41	MH 96		Blockage - Unknown. The sewer main was flushed & area was cleaned.	1,061	1		Construction Underway	BA	6 Months
10/10/2013	5227 MCNUTT ROAD	KUW Knob Creek 41	MH 95		Blockage - Debris. The sewer main was flushed & area was cleaned.	180	2		Construction Underway	BA	12 Months
8/3/2011 4/4/2014	5910 MEADOW OAKS LANE 5917 MEADOW OAKS LANE	KUW Knob Creek 41 KUW Knob Creek 41	Broken Force Main Lateral Cleanout		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	1		N/A	Repair Completed	N/A
4/4/2014 9/12/10	5917 MEADOW OAKS LANE 5915 NEUBERT SPRINGS ROAD	KUW Knob Creek 41 KUW Knob Creek 41	Lateral Cleanout Unnamed MH at Facility		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1,500 294000	0.5 3.5	✓	N/A Construction Completed	Repair Completed N/A	N/A N/A
1/7/2011	5915 NEUBERT SPRINGS ROAD	KUW Knob Creek 41	Unnamed MH at Facility		Heavy rainfall in the area resulted in high flows in the collection system.	224,000	4.4	✓	Construction Completed	N/A	N/A
9/18/2012 1/16/2013	5915 NEUBERT SPRINGS ROAD 6016 NEUBERT SPRINGS ROAD	KUW Knob Creek 41 EB Knob Creek 41	MH 18-1 MH 19		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	90,000	3 53		N/A Construction Completed	Repair Completed N/A	N/A N/A
1/16/2013	100 ROYAL HEIGHTS DRIVE	EB Knob Creek 41 KUW Knob Creek 41	MH 19 Manhole 8-36		Blockage - Debris. The sewer main was flushed & area was cleaned.	75	2		Construction Completed N/A	BA	12 Months
3/7/2013	217 STRATFORD ROAD	KUW Knob Creek 41	MH 66-14		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,500	1		N/A	Repair Completed	N/A
1/29/2012	612 VIEW PARK DRIVE	KUW Knob Creek 41	MH 97-44		Blockage - Roots. The sewer main was flushed & area was cleaned.	25	3		N/A	BA	6 Months
2/4/09 7/22/09	8560 WESTLAND DRIVE 8560 WESTLAND DRIVE	FC Fourth Creek 42 FC Fourth Creek 42	Leaking ARV 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.	225	1	✓ ✓	Construction Completed Construction Completed	N/A N/A	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	N/A
1/15/2012	8560 WESTLAND DRIVE	FC Fourth Creek 42	Force Main Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	1,800	2.5		N/A	Repair Completed	N/A
3/19/10 3/31/2012	5218 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD	FC Fourth Creek 43 FC Fourth 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.	22	3		N/A N/A	Repair Completed Repair Completed	N/A N/A
3/24/08	5219 BENT RIVER BOULEVARD	FC Fourth Creek 43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	15	1		N/A N/A	Repair Completed	N/A N/A
9/19/2012	5219 BENT RIVER BOULEVARD	FC Fourth Creek 43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	103	1	✓	N/A	Repair Completed	N/A
9/25/2012 11/8/2012	5219 BENT RIVER BOULEVARD 5219 BENT RIVER BOULEVARD	FC Fourth Creek 43 FC Fourth Creek 43	Grinder Pump & BBU Grinder Pump & BBU	BBU BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.33	✓ ✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
1/16/2012	5219 BENT RIVER BOULEVARD	FC Fourth Creek 43	Grinder pump and BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	· ✓	N/A N/A	Repair Completed	N/A N/A
1/25/2011	5235 BENT RIVER BOULEVARD	FC Fourth Creek 43	Broken Gravity Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	10	1		N/A	Repair Completed	N/A
4/3/10 9/4/2014	5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD	FC Fourth Creek 43 FC Fourth 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	N/A N/A
9/4/2014 9/13/03	5236 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD	FC Fourth 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.	5.5 Unknown	1 Unknown		N/A N/A	Repair Completed Repair Completed	N/A N/A
3/10/05	5241 BENT RIVER BOULEVARD	FC Fourth Creek 43	Grinder Pump Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	5		N/A N/A	Repair Completed	N/A
7/4/08	5241 BENT RIVER BOULEVARD	FC Fourth Creek 43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	4		N/A	Repair Completed	N/A
7/23/2011	5241 BENT RIVER BOULEVARD	FC Fourth Creek 43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
9/9/03 11/30/04	5246 BENT RIVER BOULEVARD 5246 BENT RIVER BOULEVARD	FC Fourth Creek 43 FC Fourth Creek 43	Grinder Pump Grinder Pump		Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	4		N/A N/A	Repair Completed Repair Completed	N/A N/A
6/12/08	5246 BENT RIVER BOULEVARD	FC Fourth 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.	25	3		N/A N/A	Repair Completed	N/A
8/4/08	5246 BENT RIVER BOULEVARD	FC Fourth Creek 43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	29	2.33		N/A	Repair Completed	N/A
4/10/10	5246 BENT RIVER BOULEVARD	FC Fourth Creek 43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	3	√ √	N/A N/A	Repair Completed	N/A
5/6/10	5246 BENT RIVER BOULEVARD	FC Fourth Creek 43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	э	ř	IN/A	Repair Completed	N/A

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Data		Diant	Wetersheet	Deale	O with the section	Private Property	Value (Oallana)	Duration (House)	Event occurred two or more	Law Tam On its Design	Short-Term Controls	DA Oshadala
Date Str 6/18/10	street Street 5246 BENT RIVER BOULEVARD	FC FC	Watershed Fourth Creek	43	Overflow Location Grinder Pump	Location Cause of SSO/KUB Response Grinder Pump Failure. Pump was repaired & the area was cleaned.	Volume (Gallons)	Duration (Hours)	times within 12 months	Long-Term Capital Project N/A	Blockage Abatement (BA) Repair Completed) BA Schedule N/A
12/1/10	5246 BENT RIVER BOULEVARD	FC	Fourth Creek	-	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	2	1	~	N/A	Repair Completed	N/A
9/9/2011	5246 BENT RIVER BOULEVARD	FC	Fourth Creek		Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	8	2	✓	N/A	Repair Completed	N/A
10/20/2014 8/24/2011	5246 BENT RIVER BOULEVARD 5247 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth 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	1		N/A N/A	Repair Completed Repair Completed	N/A N/A
10/22/2012	5253 BENT RIVER BOULEVARD	FC	Fourth Creek	-	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	2	1		N/A	Repair Completed	N/A
2/13/2014	5271 BENT RIVER BOULEVARD	FC	Fourth Creek		Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	17	0.5		N/A	Repair Completed	N/A
6/5/2014 10/28/2013	5272 BENT RIVER BOULEVARD 5339 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	43	Grinder Pump Residential Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	2 0.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
12/24/2011	5347 BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
1/1/2012	5355 BENT RIVER BOULEVARD	FC	Fourth Creek	-	Grinder Pump	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	15	2		N/A	Repair Completed	N/A
5/11/2011 2/28/2012	5356 BENT RIVER BOULEVARD 5356 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth 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	1.5	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
7/25/10	5363 BENT RIVER BOULEVARD	FC	Fourth Creek	-	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	200	4		N/A	Repair Completed	N/A
3/30/2012	5363 BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.75		N/A	Repair Completed	N/A
7/10/2013	2110 COVE VIEW WAY 2004 KEEPESAKE WAY	FC FC	Fourth Creek Fourth 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.	15	0.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
10/9/2013	1500 LYONS BEND ROAD	FC	Fourth Creek	43	HRC Pump	Construction Failure - Pump Testing Process Failure. The process was reinstated and the area was cleaned.	115	0.25		N/A	Repair Completed	N/A
10/3/2011	1915 LYONS BEND ROAD	FC	Fourth Creek		Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	0.5		N/A	Repair Completed	N/A
7/7/2014 11/26/2011	1918 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE	FC FC	Fourth Creek Fourth Creek	-	Air Release Valve Broken Force Main	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	500 200	3		N/A N/A	Repair Completed Repair Completed	N/A N/A
8/3/10	2641 MARYVILLE PIKE	KUW	Knob Creek	45	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	200	4		N/A	Repair Completed	N/A
4/4/2011	2641 MARYVILLE PIKE	KUW		45	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
2/23/2012 3/11/2013	2715 MARYVILLE PIKE 4917 BALL ROAD	KUW FC	Knob Creek Fourth Creek	45	Grinder Pump Broken Force Main	Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	60 3.400	1		N/A N/A	Repair Completed Repair Completed	N/A N/A
11/5/2012	4923 BALL ROAD	FC	Fourth Creek		Broken Force Main	Broken System - Broken Force Main. Force main was repaired & the area cleaned.	28,500	8	✓	N/A	Repair Completed	N/A
3/15/2013	4923 BALL ROAD	FC	Fourth Creek	49	Broken Force Main	Broken System - Broken Force Main, Force main was repaired & the area cleaned.	2,700	2	√	N/A	Repair Completed	N/A
4/9/2012 7/29/2013	5603 SUMMER GROVE LANE 5277 N NATIONAL DRIVE	FC KUW	Fourth Creek Riverdale	49 60	MH 19-63 MH 30-3	Blockage - Debris. The sewer main was flushed & area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	100	1		N/A N/A	BA Repair Completed	12 Months N/A
11/21/2014	5615 E GOVERNOR JOHN SEVIER HIGHWAY	LC	Loves Creek	61	Combination Cleaner	Construction Failure - Diockage by Construction Debris. The sewer main was hushed & the area was cleaned. Construction Failure - Cleaning Equipment Process Failure and the area was cleaned.	1,200	1.67		N/A N/A	Repair Completed	N/A N/A
11/21/2014	5619 E GOVERNOR JOHN SEVIER HIGHWAY	LC	Loves Creek		Manhole 1-2 & 4	Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	Unknown	Unknown		N/A	Repair Completed	N/A
12/11/2014	6410 SOUTH RUGGLES FERRY PIKE	LC	Loves Creek	62	Manhole 3-1	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.	Unknown	Unknown		Future Construction Planned	N/A Densis Completed	N/A
3/2/2011 7/9/2012	781 BAGWELL ROAD 781 BAGWELL ROAD	LC	Loves Creek Loves Creek	63 63	Pump Station Broken Force Main	Heavy rainfail 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
10/24/2014	241 NEALS LANDING ROAD	LC	Loves Creek	63	Manholes 42 & 45	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Underway	N/A	N/A
10/24/2014	732 NORTH WOODDALE ROAD	LC	Loves Creek		Manhole 20	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Underway	N/A	N/A
10/27/2014 3/2/2011	931 NORTH WOODDALE ROAD 3011 E GOV JOHN SEVIER HIGHWAY	LC KUW	Loves Creek Riverdale	63 65	Manhole 12 & 13 Pump Station	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 21,600	Unknown		Construction Underway Construction Completed	N/A N/A	N/A N/A
7/22/2014	1263 SWAN POND LANE	LC	Loves Creek	67	Lateral Cleanout	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	2,150	2		N/A	BA/Grease Control	12 Months
7/10/2013	1815 WAYLAND ROAD	LC	Loves Creek	67	Lateral Cleanout	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
3/9/2012 11/5/2012	8537 ASHEVILLE HIGHWAY 8455 STRAWBERRY PLAINS PIKE	EB		72	MH 21-16 Broken Force Main	Blockage - Debris. The sewer main was flushed & area was cleaned. Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	400 460	2 4		N/A N/A	BA Repair Completed	12 Months N/A
9/24/2013	5803 MILLERTOWN PIKE	LC	Loves Creek	105	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
6/19/2014	6209 OLD RUTLEDGE PIKE	LC	Loves Creek		Air Release Valve	Construction Failure by Customer. The valve was replaced and the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	2,700	0.016	√	Construction Completed	Repair Completed	N/A
12/11/2014 1/31/2014	6209 OLD RUTLEDGE PIKE 6301 OLD RUTLEDGE PIKE	LC LC	Loves Creek Loves Creek		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.	520 575	0.083	~	Construction Completed N/A	Repair Completed Repair Completed	N/A N/A
9/1/2011	6235 RUTLEDGE PIKE	LC	Loves Creek	105	Grinder Pump & BBU	BBU Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	1		N/A	Repair Completed	N/A
3/12/2012	1711 TRANSPORT WAY	LC	Loves Creek		Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	0.25		N/A	Repair Completed	N/A
2/15/2014 7/1/09	1748 TRANSPORT WAY 2304 WOODS CREEK ROAD	LC LC	Loves Creek Loves 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.	50	0.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
4/7/2012	2304 WOODS CREEK ROAD	LC	Loves Creek	105	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
8/24/2013 2/28/2011	2304 WOODS CREEK ROAD 4800 MALONEYVILLE ROAD	LC EB	Loves Creek Eastbridge	105 109	Grinder Pump & BBU Bar Screen	BBU Grinder Pump Failure. Pump was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	20 3,750	1 1.25		N/A Construction Completed	Repair Completed BA	N/A 3 months
7/3/2012	4800 MALONEYVILLE ROAD 4800 MALONEYVILLE ROAD	EB	Eastbridge		Wetwell	Heavy ramain in the area resulted in high hows in the collection system. Biockage - Debris, The sewer main was flushed & area was cleaned.	1,800	1.25	✓	Construction Completed	N/A	N/A
7/9/2012	4800 MALONEYVILLE ROAD	EB	Eastbridge	109	Wetwell	Blockage - Debris. The sewer main was flushed & area was cleaned.	50	1	✓	Construction Completed	N/A	N/A
2/2/2012 1/27/2011	7218 WASHINGTON PIKE 3914 ROBERTS ROAD	EB	Eastbridge Eastbridge	109 113	Grinder Pump Abandoned Air Release Valve	Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	30	1.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
6/12/09	4300 ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump	Grinderformanne Oncometerie Marchan Laterative Laterative Laterative Laterative Control and the second control.	30	1		N/A	Repair Completed	N/A
9/14/2012	4300 ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	2		N/A	Repair Completed	N/A
6/11/2011 10/1/2011	4304 ROBERTS ROAD 4304 ROBERTS ROAD	EB	Eastbridge Eastbridge	113	Grinder Pump 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 N/A	Repair Completed Repair Completed	N/A N/A
10/17/2011	4304 ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	, 1	0.25	✓	N/A	Repair Completed	N/A
11/24/2012 1/23/2013	7920 WASHINGTON PIKE 7920 WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump	Grinder Pump Failure Pump was repaired & the area was cleaned.	5	0.5	✓ ✓	N/A	Repair Completed	N/A
1/13/2013	7939 WASHINGTON PIKE	EB	Eastbridge Eastbridge	113 113	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
4/26/2013	7939 WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	✓	N/A	Repair Completed	N/A
6/7/2013	7939 WASHINGTON PIKE	EB	Eastbridge	113	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	3	1.5	✓	N/A	Repair Completed	N/A
8/17/2012 2/10/2013	8035 WASHINGTON PIKE 1521 SAYLORS FORD ROAD	EB	Eastbridge Eastbridge	113 115	Grinder Pump Eastbridge Wastewater Treatment Plant	Grinder Pump Failure. Pump was repaired & the area was cleaned. WWTP - Mechanical Failure. Plant was reinstated.	5 435	1 0.75		N/A N/A	Repair Completed Repair Completed	N/A N/A
11/2/2013	508 BROOME RD	FC	-	32A	MH 15-6	Blockage - Roots. The sewer main was flushed & area was cleaned.	70	2		N/A	BA	12 Months
5/6/2013	2722 CHUKAR ROAD	FC	Fourth Creek		MH 65-11	Blockage - Debris. The sewer main was flushed & area was cleaned.	5,500	2		N/A	BA	6 Months
3/7/2011 3/19/10	6540 CREEKHEAD DRIVE 6549 CREEKHEAD DRIVE	FC FC	Fourth Creek Fourth Creek		MH 49-4 MH 49-2	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	12,200	0.5	✓ ✓	N/A N/A	BA BA	12 Months 12 Months
6/12/2013	6549 CREEKHEAD DRIVE	FC	Fourth Creek		MH 49-3	Vandalism. Blockage was removed & the area was cleaned.	3,000	2		N/A	Repair Completed	N/A
8/22/2011	1134 FERD HICKEY ROAD	FC	Fourth Creek		MH 30-39	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 600 N GALLAHER VIEW ROAD	LC FC	Loves Creek Fourth Creek		MHs 30-50 & 30-52 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.	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	FC	Fourth Creek		MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	18,000	12	✓	Construction Completed	N/A	N/A
2/27/03	600 N GALLAHER VIEW ROAD	FC	Fourth Creek		MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	1890	21	√ ./	Construction Completed	N/A	N/A
5/6/03 7/2/03	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC FC	Fourth Creek Fourth Creek		MH 77 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.	49,875	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 Creek		MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	3600	4	· ✓	Construction Completed	N/A N/A	N/A N/A
11/19/03	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	1920	8	√ (Construction Completed	N/A	N/A
2/6/04 3/6/04	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC FC	Fourth Creek Fourth Creek		MH 77 MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	6050 1680	23.5 3.5	✓ ✓	Construction Completed	N/A N/A	N/A N/A
6/27/04	600 N GALLAHER VIEW ROAD	FC	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.	240	4	· ✓	Construction Completed Construction Completed	N/A N/A	N/A
9/17/04	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	31,680	22	√ √	Construction Completed	N/A	N/A
11/24/04 12/1/04	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC FC	Fourth Creek Fourth Creek		MH 77 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.	6480 20,160	12	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
12/7/04	600 N GALLAHER VIEW ROAD	FC	Fourth Creek		MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	390,240	24	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A N/A	N/A N/A
12/9/04	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	189,000	70	√	Construction Completed	N/A	N/A
2/21/05 4/2/05	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC	Fourth Creek Fourth Creek		MH 77 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.	260000 7,200	20	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/2/05	600 N GALLAHER VIEW ROAD	FC	Fourth Creek		MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	247,680	43	✓ ×	Construction Completed	N/A N/A	N/A N/A
5/20/05	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	5,610	2.75	✓ 	Construction Completed	N/A	N/A
7/19/05 4/8/06	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC FC	Fourth Creek		MH 77 MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	1,037 38148	3	✓ ✓	Construction Completed	N/A N/A	N/A N/A
4/8/06	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC	Fourth 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.	38148	6	· ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/24/06	600 N GALLAHER VIEW ROAD	FC			MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	3310000	5	√	Construction Completed	N/A	N/A
1/7/09	600 N GALLAHER VIEW ROAD	FC	Fourth Creek		MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	105,000	26	✓ 	Construction Completed	N/A	N/A
1/25/10	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	95580	9	~	Construction Completed	N/A	N/A

Date	Street # Street	Plant	Watershed	Basin Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)) BA Schedule
3/1/2011	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	2	√	Future Construction Planned	N/A	N/A
3/10/2011	600 N GALLAHER VIEW ROAD	FC		32A MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	468,000	39	✓ 	Future Construction Planned	N/A	N/A
4/16/2011 4/28/2011	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC FC	Fourth Creek Fourth Creek	32A MH 77 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.	264,000 36.000	22	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
1/15/2013	600 N GALLAHER VIEW ROAD		Fourth Creek	32A MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	11,324,000	116	~	Future Construction Planned	N/A	N/A
1/31/2013	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	570,700	9	~	Future Construction Planned	N/A	N/A
7/7/2013	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	540,000	24	✓ 	Future Construction Planned	N/A	N/A
12/9/2013 3/28/2013	600 N GALLAHER VIEW ROAD 1224 PARK HILL CIRCLE	-	Fourth Creek Fourth Creek	32A MH 77 32A MH 30-52		WW Storage Facility - Mechanical Failure. The facility was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	59,000	3.25	*	Future Construction Planned N/A	N/A BA	N/A 12 Months
11/6/2011	1708 PINETREE LANE		Fourth Creek	32A Lateral Cleanout		Blockage - Rooss. The sewer main was flushed & area was cleaned.	62.000	72 Hours Intermittently		N/A N/A	BA/Grease Control	12 Months
3/1/2011	7927 W CLIFF DRIVE		Fourth Creek			Blockage - Debris. The sewer main was flushed & area was cleaned.	50	1		N/A	BA	6 Months
4/6/2011	8105 W CLIFF DRIVE		Fourth Creek	32A MH 36-18		Blockage - Roots. The sewer main was flushed & area was cleaned.	400	2.5		N/A	BA	6 Months
4/28/2012 1/17/2013	6532 WESTSIDE DRIVE 6532 WESTSIDE DRIVE	FC	Fourth Creek	32A MH 49-5 32A MH 49-5		Vandalism. Blockage was removed & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	66,000	5	~	N/A	Repair Completed N/A	N/A
4/11/2013	900 CARRINGTON ROAD	FC FC		32A MH 49-5 32B MH 4-92		Blockage - Roots. The sewer main was flushed & area was cleaned.	200	1	· ·	Future Construction Planned N/A	BA	N/A 12 Months
11/2/2011	409 N WINSTON ROAD	FC	Fourth Creek	32B MH17-1		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	2		N/A	Repair Completed	N/A
10/16/2013	409 N WINSTON ROAD	FC	Fourth Creek		BBU	Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	300	2		N/A	Repair Completed	N/A
12/31/06	2004 NEYLAND DRIVE	KUW		35A MH 1		WWTP - Mechanical Failure. Plant was reinstated.	160000	0.33		Future Construction Planned	N/A	N/A
9/26/09 12/9/09	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE	KUW		35A MH 1 35A MH 1		Heavy rainfall in the area resulted in high flows in the collection system. WWTP - Electrical Failure. Electricity was restored.	250,000 3,300.000	0.26	✓	Future Construction Planned Future Construction Planned	N/A Repair Completed	N/A N/A
3/23/10	2004 NEYLAND DRIVE	_	Second Creek			WWTP - Electrical Failure. Electricity was restored.	50000	0.05		Future Construction Planned	N/A	N/A
2/28/2011	2004 NEYLAND DRIVE		Second Creek			Heavy rainfall in the area resulted in high flows in the collection system.	360,000	0.5	✓	Future Construction Planned	N/A	N/A
4/16/2011	2004 NEYLAND DRIVE	KUW	Second Creek	35A MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	20,000	0.18	√	Future Construction Planned	N/A	N/A
9/18/2012	2004 NEYLAND DRIVE		Second Creek			Heavy rainfall in the area resulted in high flows in the collection system.	100,000	0.25	✓	Future Construction Planned	N/A	N/A
1/15/2013 12/13/2011	2004 NEYLAND DRIVE 1300 ALCOA HIGHWAY	KUW	Second Creek Third Creek	35A MH 1 35B MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	18,440,000 650	19.83	×	Future Construction Planned N/A	N/A BA	N/A 12 Months
5/8/09	2305 CLINCH AVENUE	KUW		35B MH 23-27		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	180	1		N/A N/A	Repair Completed	N/A
6/26/09	2305 CLINCH AVENUE	KUW		35B MH 39		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	2,328	0.0166		N/A	Repair Completed	N/A
6/6/2011	2305 CLINCH AVENUE	KUW	Third Creek	35B MH 39		Blockage - Debris. The sewer main was flushed & area was cleaned.	750	1		N/A	BA	12 Months
7/20/2011 5/3/2012	1912 CUMBERLAND AVENUE 2010 CUMBERLAND AVENUE	KUW		35B Lateral Cleanout		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	150	4		N/A N/A	Repair Completed	N/A N/A
5/10/2012	2524 JACOB DRIVE	KUW	Third Creek Third Creek	35B Unconnected Lateral 35B MH 4-9		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	2.000	2		N/A N/A	Repair Completed Repair Completed	N/A N/A
2/28/2011	2640 MORGAN CIRCLE	KUW	Third Creek	35B MH 4-19		Heavy rainfall in the area resulted in high flows in the collection system.	1,500	3		Future Construction Planned	N/A	N/A
3/17/02	2004 NEYLAND DRIVE	KUW	Third Creek	35B MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	~	Future Construction Planned	N/A	N/A
6/6/02	2004 NEYLAND DRIVE		Third Creek	35B MH 1		WWTP - Electrical Failure. Electricity was restored.	38,000	0.25	✓	Future Construction Planned	N/A	N/A
7/30/02 9/21/02	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE	KUW	Third Creek Third Creek	35B MH 1 35B MH 1		WWTP - Electrical Failure. Electricity was restored. Heavy rainfall in the area resulted in high flows in the collection system.	10,000	0.07	*	Future Construction Planned Future Construction Planned	N/A N/A	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	2.10	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned	N/A N/A	N/A
9/22/02	2004 NEYLAND DRIVE	KUW	Third Creek	35B MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	5,700,000	4.5	✓	Future Construction Planned	N/A	N/A
2/14/03	2004 NEYLAND DRIVE	KUW	Third Creek	35B MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,600,000	1.5	~	Future Construction Planned	N/A	N/A
2/15/03	2004 NEYLAND DRIVE		Third Creek	35B MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	11,700,000	16.5	✓ 	Future Construction Planned	N/A	N/A
2/16/03 2/17/03	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE	KUW	Third Creek Third Creek	35B MH 1 35B 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.	12,120,000	18	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
2/21/03	2004 NEYLAND DRIVE	KUW		35B MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,320,000	2.5	~	Future Construction Planned	N/A	N/A
2/22/03	2004 NEYLAND DRIVE	KUW	Third Creek	35B MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	10,870,000	22.5	✓	Future Construction Planned	N/A	N/A
4/10/03	2004 NEYLAND DRIVE	KUW	Third Creek	35B MH 1 35B MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,740,000	3	~	Future Construction Planned	N/A	N/A
5/5/03 5/6/03	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE	KUW KUW	Third Creek	35B MH 1 35B 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.	1,050,000 22,060,000	3 15	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
5/7/03	2004 NEYLAND DRIVE	KUW	Third Creek Third Creek	35B MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	19,400,000	15.5	× ×	Future Construction Planned	N/A N/A	N/A N/A
11/6/03	2004 NEYLAND DRIVE	KUW	Third Creek	35B MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	50,000	0.72	~	Future Construction Planned	N/A	N/A
12/9/04	2004 NEYLAND DRIVE	KUW	Third Creek	35B MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	400,000	2.63		Future Construction Planned	N/A	N/A
3/3/07	2004 NEYLAND DRIVE	KUW	Third Creek	35B MH 1		WWTP - Electrical Failure. Electricity was restored.	1,170,000	1.5	✓	Future Construction Planned	Repair Completed	N/A
1/24/02	2015 NEYLAND DRIVE	KUW	Third Creek	35B Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	1,000,000	20.5	~	Future Construction Planned	N/A	N/A
1/25/02 3/17/02	2015 NEYLAND DRIVE 2015 NEYLAND DRIVE	KUW	Third Creek Third Creek	35B Secondary Junction Box 35B 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.	50,000 450,000	2.5	×	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
3/18/02	2015 NEYLAND DRIVE		Third Creek	35B Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	200,000	5.5	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned	N/A	N/A
9/21/02	2015 NEYLAND DRIVE	KUW		35B Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	3000	0.25	√	Future Construction Planned	N/A	N/A
2/14/03	2015 NEYLAND DRIVE	KUW	Third Creek	35B Secondary Junction Box		Heavy rainfall in the area resulted in high flows in the collection system.	3000	0.25	√	Future Construction Planned	N/A	N/A
2/15/05 2/22/05	2015 NEYLAND DRIVE 2015 NEYLAND DRIVE	KUW	Third Creek Third Creek	35B #6 Digester 35B #6 Digester		WWTP Process Failure. WWTP process was reinstated & the area was cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	5500 200	0.5		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
3/22/05	2015 NEYLAND DRIVE	KUW		35B #6 Digester 35B Filtrate Tank		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	200	0.17		Future Construction Planned	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
5/20/05	2015 NEYLAND DRIVE		Third Creek			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 9/23/06	2015 NEYLAND DRIVE 2015 NEYLAND DRIVE	KUW	Third Creek Third Creek	35B Digester MH 35B Secondary Junction Box		WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	0	0.08		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
3/3/06	2015 NEYLAND DRIVE 2015 NEYLAND DRIVE	-	Third Creek			Broken System - Broken Force Main. Force main was repaired & the area cleaned.	10.600	1		Future Construction Planned Future Construction Planned	Repair Completed	N/A N/A
2/18/08	2015 NEYLAND DRIVE	KUW				Broken System - Sludge Line Leak. The leak was repaired & the area cleaned.	2,128	0.083		Future Construction Planned	Repair Completed	N/A N/A
6/11/08	2015 NEYLAND DRIVE	KUW	Third Creek	35B MH 4-51		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	50	0.02		Future Construction Planned	Repair Completed	N/A
9/4/08	2015 NEYLAND DRIVE	-	Third Creek			Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	50	0.083		Future Construction Planned	Repair Completed	N/A
1/31/2012 5/15/2012	2015 NEYLAND DRIVE 2015 NEYLAND DRIVE	KUW KUW	Third Creek Third Creek	35B Dewatering Containment 35b #2 Digester		Construction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	25	0.25	~	Future Construction Planned Future Construction Planned	Repair Completed	N/A N/A
5/15/2012	2015 NEYLAND DRIVE		Third Creek Third Creek	35b #2 Digester 35b Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	100	0.33		Future Construction Planned	Repair Completed Repair Completed	N/A N/A
9/21/2013	2015 NEYLAND DRIVE	KUW		35b Primary Effluent Channel		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	115,000	0.13		Future Construction Planned	Repair Completed	N/A
6/23/2014	2015 NEYLAND DRIVE		Third Creek	35B Digester Complex		Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned.	2,500	0.05	√	N/A	Repair Completed	N/A
6/26/2014	2015 NEYLAND DRIVE	KUW		35B Digester Complex		Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned.	65	0.05	~	N/A	Repair Completed	N/A
7/11/2014	2015 NEYLAND DRIVE	KUW		35B Primary Influent Boxes 1 & 3		WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned.	2,000	0.17	./	N/A	Repair Completed	N/A
8/5/2014	2015 NEYLAND DRIVE 2377 NEYLAND DRIVE	KUW	Third Creek Third Creek	35B Digester Complex 35B MH 3		Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	500 Unknown	0.083 Unknown	¥	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
3/10/2011		1.011	THIG DIECK	1011 0	1		GIANOWI	OTINIOWIT	1	· atore construction r lanneu	11/17	
3/10/2011 1/28/2013	2377 NEYLAND DRIVE	KUW	Third Creek	35B MH 4-54		Heavy rainfall in the area resulted in high flows in the collection system.	300	1		Future Construction Planned	N/A	N/A

Date	Street #	Street	Plant Watershed Ba	asin Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)) BA Schedule
3/18/02 5/3/02		WOODSON DRIVE		14 MH 2-1 14 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	10	✓	Construction Completed	N/A N/A	N/A N/A
5/3/02		WOODSON DRIVE BUD HAWKINS ROAD		13 Wetwell		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	900	3	v	Construction Completed N/A	Repair Completed	N/A N/A
9/5/02		SHADYLAND DRIVE	0	36 MH 36		Blockage - Roots. The sewer main was flushed & area was cleaned.	180	3	✓	Construction Completed	BA	12 Months
9/21/02		WOODSON DRIVE		14 MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	28,800	12	\checkmark	Construction Completed	N/A	N/A
10/4/02		WOODSON DRIVE	KUW South Knoxville			Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	6000	1	✓	Construction Completed	Repair Completed	12 Months
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
2/14/03 2/22/03		WOODSON DRIVE S CHILHOWEE DRIVE		44 MH 2-1 20 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.	16,500 1800	22	✓	Construction Completed Construction Completed	N/A BA	N/A 12 Months
2/22/03		WOODSON DRIVE		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
2/26/03		BUD HAWKINS ROAD		13 Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	10,000	0.17		N/A	Repair Completed	N/A
3/9/03	7112	SHADYLAND DRIVE	FC Fourth Creek	36 MH 36		Blockage - Debris. The sewer main was flushed & area was cleaned.	19,200	40	\checkmark	Construction Completed	BA	12 Months
4/10/03	2600	WOODSON DRIVE	KUW South Knoxville	44 MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	510	4.25	✓	Construction Completed	N/A	N/A
5/5/03		WOODSON DRIVE		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 5/31/04		WOODSON DRIVE WOODSON DRIVE		44 MH 2-1 44 MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	300 2400	1.5	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
6/17/04		E MOODY AVENUE		40 MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	4675	4	✓	Construction Completed	N/A	N/A
6/25/04	-	E MOODY AVENUE		40 MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1080	2	\checkmark	Construction Completed	N/A	N/A
7/27/04		E MOODY AVENUE		40 MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1440	4	\checkmark	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	\checkmark	Construction Completed	N/A	N/A
2/10/05		MALONEYVILLE ROAD		09 MH 93-10		Blockage - Debris. The sewer main was flushed & area was cleaned.	1410	4	✓	Construction Completed	BA	6 Months
2/23/05				10 MH 16-6 13 Wetwell		Blockage - Grease. The sewer main was flushed & area was cleaned.	720	3		N/A	BA/Grease Control	6 Months
6/10/05 10/31/05		BUD HAWKINS ROAD MALONEYVILLE ROAD	0	13 Wetwell 09 MH 93-10		Pump Station - Mechanical Failure due to lightning strike. Station was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	2,880	1		N/A Construction Completed	Repair Completed BA	N/A 6 Months
1/17/06		MALONEYVILLE ROAD	0	09 MH 93-10		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	408	1.5	· · · · · · · · · · · · · · · · · · ·	Construction Completed	BA	1 Month
4/4/06		BALL ROAD		49 Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	442400	252		N/A	Repair Completed	N/A
6/7/06	8530	CROSSWIND LANDING LANE	EB Eastbridge 1	10 Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	150	0.5		N/A	Repair Completed	N/A
6/26/06		BUD HAWKINS ROAD	0	13 Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	600	1		Construction Completed	N/A	N/A
8/4/06		WOODSON DRIVE		14 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				40 MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	8640	6	\checkmark	Construction Completed	N/A BA	N/A
9/23/06 9/25/06		SHADYLAND DRIVE S CHILHOWEE DRIVE		36 MH 36 20 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.	4320 2160	8		Construction Completed Construction Completed	BA	6 Months 12 Months
10/27/06		MYNDERSE AVENUE		22 MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system.	5100	5		Future Construction Planned	BA	6 Months
11/1/06		E MOODY AVENUE		40 MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	720	4	\checkmark	Construction Completed	N/A	N/A
7/23/07		MALONEYVILLE ROAD	EB Eastbridge 1	09 MH 93-26		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	3,000	1	\checkmark	Construction Completed	N/A	N/A
8/19/07	5101	MALONEYVILLE ROAD	EB Eastbridge 1	09 MH 93-26		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	1,440	2	\checkmark	Construction Completed	N/A	N/A
5/6/08		DANDRIDGE AVENUE		25 MH 4-103		Blockage - Debris. The sewer main was flushed & area was cleaned.	115	0.25		N/A	BA	6 Months
5/28/08		S CHILHOWEE DRIVE		20 MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	16	0.5		Construction Completed	N/A	N/A
12/10/08 12/11/08		E MOODY AVENUE SHADYLAND DRIVE		40 MH 39 36 MH 36		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.	1,100 62	4	✓	Construction Completed Construction Completed	N/A BA	N/A 6 Months
1/6/09		BUD HAWKINS ROAD		13 Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	8	-	Construction Completed	N/A	N/A
1/6/09		E MOODY AVENUE		40 MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	7,400	14.5	\checkmark	Construction Completed	N/A	N/A
1/6/09	1233	MARYVILLE PIKE	KUW South Knoxville	39 MH 27-115		Blockage - Debris. The sewer main was flushed & area was cleaned.	15,000	14.75	\checkmark	N/A	BA	6 Months
1/6/09		S CHILHOWEE DRIVE		20 MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	6,100	12	\checkmark	Construction Completed	N/A	N/A
1/6/09		SHADYLAND DRIVE		36 MH 36		Heavy rainfall in the area resulted in high flows in the collection system.	17,300	24	\checkmark	Construction Completed	BA	6 Months
1/7/09 1/10/09		SHANNONDALE ROAD ROWAN ROAD		1 MH 36 5 MH 17-47		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	5,040	14		N/A N/A	BABA	3 Months 3 Months
1/11/09		CLINCH AVENUE		23 Undesignated MH		Blockage - Roots. The sewer main was flushed & area was cleaned.	75	2		N/A	BA	6 Months
1/12/09	-	DULANEY WAY		36 MH 12-86		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,780	3.5		N/A	BA	6 months
1/22/09	9027	MASCOT ROAD	EB Eastbridge 1	14 Leaking ARV		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	75	1		N/A	Repair Completed	N/A
1/29/09	1701	E FIFTH AVENUE	KUW First Creek	24 MH 29-2		Blockage - Debris. The sewer main was flushed & area was cleaned.	765	1.5		N/A	BA	12 Months
2/7/09	3853	CLUSTER AVENUE	LC Loves Creek	6 MH 29-161		Blockage - Roots. The sewer main was flushed & area was cleaned.	5	4		N/A	BA	6 Months
2/13/09		MOSS DRIVE		13 Lateral Cleanout		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	750	1	\checkmark	N/A	BA/Grease Control	3 Months
2/18/09		WOODSON DRIVE		44 MH 2-1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	190	0.25		Construction Completed	N/A Densis Completed	N/A
2/21/09 3/2/09		JACKSBORO PIKE MALONEYVILLE ROAD		3 Broken Gravity Main 09 MH 93-10		Construction Failure - There was a pipe separation at a temporary connection to the sewer main. Blockage - Debris. The sewer main was flushed & area was cleaned.	960 360	8		N/A Construction Completed	Repair Completed BA/Grease Control	N/A 1 Month
3/2/09		MOSS DRIVE	ÿ	13 MH 43 and Lateral Cleanout		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	250	0.5	✓	N/A	BA/Grease Control	3 Months
3/6/09		INGERSOLL AVENUE	KUW South Knoxville			Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	405	6	·	N/A N/A	BA/Grease Control	6 months
3/7/09		WILSON ROAD		10 Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	95	3		N/A	BA	6 Months
3/9/09		OGLEWOOD AVENUE		16 Lateral Cleanout and BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	13	0.5		N/A	BA	6 Months
3/18/09		GREENWAY DRIVE		2 Private Sewer Connection		Construction Failure - Unconnected Private Sewer Main. Private sewer main was reconnected & the area was cleaned.	Unknown	Unknown		Construction Completed	N/A	N/A
3/26/09		BROOKVALE LANE		33 MH 15	DDU	Heavy rainfall in the area resulted in high flows in the collection system.	90	1.5	\checkmark	Construction Completed N/A	N/A Ropair Completed	N/A N/A
3/26/09 4/13/09		ROSEWOOD ROAD FRATERNITY PARK DRIVE		05 Grinder Pump & BBU 5B Patio and BBU	BBU BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned. The capacity of the sewer main was exceeded when a swimming pool was drained.	5 650	2.25		N/A N/A	Repair Completed Repair Completed	N/A N/A
4/13/09		EDWARDS DRIVE		41 MH 107	טמט	Blockade - Grease. The sewer main was flushed & area was cleaned.	60	2.25		N/A N/A	BA/Grease Control	6 months
4/13/09		LAKE AVENUE		5B Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was rushed & area was cleaned.	710	2.25		N/A N/A	Repair Completed	N/A
5/7/09		MCCAMPBELL LANE		2 MH 43-64		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	270	1.5		N/A	Repair Completed	N/A
5/8/09	1210	E MOODY AVENUE	KUW South Knoxville	40 MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	540	1.5	✓	Construction Completed	N/A	N/A
5/15/09		MARYVILLE PIKE		39 MH 27-115		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	22	1	✓	N/A	BA	6 Months
5/25/09				29 MH 38		Blockage - Grease. The sewer main was flushed & area was cleaned.	162	1		N/A	BA/Grease Control	3 Months
6/6/09 6/13/09		FERNBANK ROAD FARRAGUT AVENUE		05 Lateral Cleanout 16 MH 24-45		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	44 54	4 0.5		N/A N/A	BA/Grease Control BA	6 Months 6 Months
6/13/09		GERTRUDE AVENUE		40 MH 24-45		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	60	0.5		N/A N/A	BABA	6 Months
6/17/09		E MOODY AVENUE		40 MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	51,771	3	✓	Construction Completed	N/A	N/A
6/18/09	2303	CLINCH AVENUE	KUW Third Creek 3	5B MH 23-5		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	5,491	1		N/A	Repair Completed	N/A
6/22/09		TILLERY DRIVE		10 Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	150	1		N/A	BA/Grease Control	3 Months
6/24/09				25 MH 4-103 and Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	344	1		N/A	BA/Grease Control	12 Months
6/26/09 7/13/09		LANDBROOK DRIVE E MOODY AVENUE	KUW Third Creek	21 MH 27-6 40 MH 39		Blockage - Roots, Grease, and Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	153 254	1.5	✓	N/A Construction Completed	BA/Grease Control N/A	3 Months N/A
7/13/09		CORTETLAND DRIVE	FC Fourth Creek 3			Blockage - Roots. The sewer main was flushed & area was cleaned.	254	1	•	N/A	BA	3 Months
	0200							1				
= (00 (00	5212	BENT RIVER BOULEVARD	FC Fourth Creek	43 Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	741	504 Intermittently		N/A	Repair Completed	N/A
7/23/09							1	0.05				N1/A
7/23/09		CHUKAR ROAD HIGHLAND DRIVE	FC Fourth Creek 3	2A Bypass System		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	12	0.25		N/A N/A	Repair Completed BA	N/A

7/00/00	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)	A) BA Schedule
7/28/09	1210 E MOODY AVENUE		South Knoxville		MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	180	1	✓	Construction Completed	N/A	N/A
7/31/09	1210 E MOODY AVENUE		South Knoxville	-	MH 40		Heavy rainfall in the area resulted in high flows in the collection system.	40	0.5	~	Construction Completed	N/A	N/A
8/11/09	4502 MILLERTOWN PIKE	LC	Loves Creek	6	Lateral Cleanout		Construction Failure - Dig-In. Lateral was repaired & the area was cleaned. Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	137	72 Intermittently		N/A N/A	Repair Completed Repair Completed	N/A N/A
8/12/09 8/17/09	5745 SANDIS LANE 119 W GLENWOOD AVENUE	LC KUW	Loves Creek First Creek	20	Broken Force Main Subsurface		Blockage - Grease. The sewer main was flushed & area was cleaned.	5,240 900	8 Intermittently		Construction Completed	BA/Grease Control	6 Months
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	~	Construction Completed	N/A	N/A
9/28/09	2706 MYNDERSE AVENUE	KUW		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	8012 W CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-7		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	65	1		N/A	BA/Grease Control	6 Months
10/15/09	4201 ASHEVILLE HIGHWAY	LC	Loves Creek	20	MH 34-23		Heavy rainfall in the area resulted in high flows in the collection system.	50	0.5		Construction Completed	N/A	N/A
10/16/09	7100 ROTHERWOOD DRIVE	FC	Fourth Creek	36	MH 33		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	700	1.5	~	Construction Completed	N/A	N/A
10/26/09 10/30/09	6905 WESTLAND DRIVE 1408 MIDDLE DRIVE	FC	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	2 6.5		Construction Completed N/A	N/A Repair Completed	N/A N/A
11/5/09	3108 LANDVIEW DRIVE	LC		26	MH 72-134		Blockage - Roots. The sewer main was flushed & area was cleaned.	260	1		N/A	BA	6 Months
11/6/09	212 DRY GAP PIKE	KUW	Second Creek	-	MH 16-67		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	205	1		N/A	N/A	N/A
11/8/09	6116 SEVIERVILLE PIKE	KUW	South Knoxville	41	MH 107-2		Blockage - Grease. The sewer main was flushed & area was cleaned.	510	1		N/A	BA/Grease Control	6 months
11/12/09	2126 TENNESSEE AVENUE	KUW		22	MH 16-13		Blockage - Roots. The sewer main was flushed & area was cleaned.	310	1		N/A	BA	6 Months
11/24/09	601 S CONCORD STREET	KUW		29	MH 8-10		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	60	1		N/A N/A	BA/Grease Control	12 Months
1/18/10	229 LYNNWOOD DRIVE	KUW		3	MH 2-98	BBU	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	130	0.5		N/A N/A	BA/Grease Control BA	6 Months 6 Months
1/24/10 1/25/10	1109 BIDDLE STREET 6621 CLINTON HIGHWAY	KUW	Williams Creek Third Creek	25 50	Lateral Cleanout & BBU Air Release Valve	BBU	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	190	2		N/A N/A	Repair Completed	N/A
1/25/10	1210 E MOODY AVENUE		South Knoxville		MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
1/25/10	7100 ROTHERWOOD DRIVE	FC		36	MHs 32, 33, 34 & 36		Heavy rainfall in the area resulted in high flows in the collection system.	41575	36	\checkmark	Construction Completed	N/A	N/A
1/27/10	4611 KINGSTON PIKE	KUW		34	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,000	1		N/A	Repair Completed	N/A
1/28/10	702 E INSKIP DRIVE	KUW	First Creek	7	MH 29-63		Blockage - Debris. The sewer main was flushed & area was cleaned.	410	1		Construction Completed	N/A	N/A
2/2/10	2706 MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system.	1000	1	✓	Future Construction Planned	BA	6 Months
2/4/10	4025 THORNWOOD ROAD	KUW	Third Creek	13	MH 17-92		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	250	2		N/A	BA/Grease Control	6 Months
2/5/10	2621 BRAGG STREET	KUW	Third Creek	22	MH 21-123		Blockage - Debris. The sewer main was flushed & area was cleaned.	60	1.5		N/A	BA BA	6 Months
2/5/10 2/5/10	2706 MYNDERSE AVENUE 7104 ROTHERWOOD DRIVE	KUW FC	Third Creek Fourth Creek	22 36	MH 18-3 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.	11500 51015	71	*	Future Construction Planned Construction Completed	N/A	6 Months N/A
2/3/10	800 BENNETT PLACE	FC		32B	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	45900	72	✓ ✓	Construction Completed	Repair Completed	N/A N/A
2/10/10	302 LINGBURTON AVENUE	LC	Loves Creek	20	Lateral Cleanout		Grinder Pump Failure. Pump was repaired & the area was cleaned.		5		N/A	Repair Completed	N/A
2/15/10	100 THIRTEENTH STREET		Second Creek		Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	100	1		N/A	Repair Completed	N/A
2/21/10	5713 MILLERTOWN PIKE	LC	Loves Creek	6	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	5	1.5		N/A	Repair Completed	N/A
3/7/10	3403 VALLEY VIEW DRIVE	KUW	First Creek	8	MH 9-86		Blockage - Debris. The sewer main was flushed & area was cleaned.	1590	1.5		N/A	Repair Completed	N/A
3/8/10	1904 SANDERSON ROAD	KUW	Third Creek	28	MH 16-27		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	50	1		N/A	Repair Completed/BA	6 Months
3/10/10	6024 BROOKVALE LANE	FC	Fourth Creek	33	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	\checkmark	Construction Completed	N/A	N/A
3/10/10	955 KNOXVILLE COLLEGE DRIVE	KUW	Third Creek	22	MH 6-78		Vandalism. Blockage was removed & the area was cleaned.	1250	1		N/A N/A	BABA	12 Months 12 Months
3/12/10 3/17/10	4804 BAY STREET 2217 MARTIN LUTHER KING JR DRIVE	KUW KUW	Third Creek First Creek	13 24	MH 34-31 MH 6-152 & Privately Owned MH		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	230 530	1 0.5		N/A N/A	BA	6 Months
3/17/10	2217 MARTIN LOTHER RING JR DRIVE	KUW	FIISt Cleek	24	MH 6-152 & Privately Owned MH		blockage - Deblis. The sewer main was hushed & area was cleaned.	550	0.5		N/A	DA	0 1011115
3/18/10	5732 TENNYSON DRIVE	FC	Fourth Creek	32A	MH 49-182		Blockage - Debris. The sewer main was flushed & area was cleaned.	20,825	168 Intermittently		N/A	BA	6 Months
4/9/10	8630 ASHEVILLE HIGHWAY	EB	Eastbridge	72	Private Property/BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	950	15		N/A	BA	12 Months
4/17/10	5105 BALL ROAD	KUW	Third Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	72675	2		N/A	Repair Completed	N/A
4/30/10	6712 DEANE HILL DRIVE	FC	Fourth Creek	36	MH 3-176		Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	4320	1		N/A	Repair Completed	N/A
5/3/10	601 ARTHUR STREET	KUW		23	MH 19-132		Blockage - Grease. The sewer main was flushed & area was cleaned.	360	2	✓	N/A	BA/Grease Control	6 Months
5/3/10 5/3/10	1210 E MOODY AVENUE 5816 HOLSTON HILLS ROAD	KUW	South Knoxville		MH 39	DDU	Heavy rainfall in the area resulted in high flows in the collection system. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	750 940	5	*	Construction Completed N/A	N/A Repair Completed/BA	N/A 12 Months
5/3/10				26	MH 104-4 and BBU						IN/A		12 10011015
3/12/10		LC	Loves Creek	11	MH 11 220	BBU					N/A		6 Months
5/16/10	4509 LANDON DRIVE	LC KUW	Third Creek	11	MH 11-229		Blockage - Grease. The sewer main was flushed & area was cleaned.	50	1		N/A N/A	BA/Grease Control	6 Months 6 Months
5/16/10 5/19/10	4509 LANDON DRIVE 3628 LUCINDA DRIVE	LC KUW KUW	Third Creek First Creek	3	MH 11-229 Lateral Cleanout MH 14-103					✓	N/A N/A N/A		6 Months 6 Months 6 Months
5/16/10 5/19/10 5/19/10	4509 LANDON DRIVE	LC KUW	Third Creek First Creek	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	BA/Grease Control BA/Grease Control	6 Months
5/19/10	4509 LANDON DRIVE 3628 LUCINDA DRIVE 1401 CASSELL DRIVE	LC KUW KUW KUW	Third Creek First Creek Second Creek	3 10	Lateral Cleanout MH 14-103		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	50 18 540	1 2 1.5	✓	N/A N/A	BA/Grease Control BA/Grease Control BA	6 Months 6 Months
5/19/10 5/19/10 5/20/10 5/23/10	4509 LANDON DRIVE 3628 LUCINDA DRIVE 1401 CASSELL DRIVE 906 STEWART STREET 410 HASTINGS LANE 1312 CASSELL DRIVE	LC KUW KUW KUW KUW FC	Third Creek First Creek Second Creek Second Creek	3 10 23 33	Lateral Cleanout MH 14-103 MH 35-56		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. 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 - Grease. The sewer main was flushed & area was cleaned.	50 18 540 35 200 200	1 2 1.5 1	✓ ✓	N/A N/A N/A N/A N/A	BA/Grease Control BA/Grease Control BA BA	6 Months 6 Months 6 Months
5/19/10 5/19/10 5/20/10 5/23/10 6/10/10	4509 LANDON DRIVE 3628 LUCINDA DRIVE 1401 CASSELL DRIVE 906 STEWART STREET 410 HASTINGS LANE 1312 CASSELL DRIVE 6310 ROBERTS ROAD	LC KUW KUW KUW FC KUW EB	Third Creek First Creek Second Creek Second Creek Fourth Creek Second Creek Eastbridge	3 10 23 33 10 111	Lateral Cleanout MH 14-103 MH 35-56 MH 32-48 MH 14-101 Broken Force Main		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. 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 - 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 - Bother main was flushed & area was cleaned. Blockage - Broken Force Main. Force main was repaired & the area cleaned.	50 18 540 35 200 200 150	1 2 1.5 1 1 1 1 1 1	✓ ✓	N/A N/A N/A N/A N/A N/A	BA/Grease Control BA/Grease Control BA BA BA BA/Grease Control Repair Completed	6 Months 6 Months 6 Months 6 Months 6 Months N/A
5/19/10 5/19/10 5/20/10 5/23/10 6/10/10 6/25/10	4509 LANDON DRIVE 3628 LUCINDA DRIVE 1401 CASSELL DRIVE 906 STEWART STREET 410 HASTINGS LANE 1312 CASSELL DRIVE 6310 ROBERTS ROAD 5660 COLONIAL CIRCLE	LC KUW KUW KUW FC KUW EB KUW	Third Creek First Creek Second Creek Second Creek Fourth Creek Second Creek Eastbridge First Creek	3 10 23 33 10 111 3	Lateral Cleanout MH 14-103 MH 35-56 MH 32-48 MH 14-101 Broken Force Main MH 14-2		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. 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. Broken System - Broken Force Main. Force main was flushed & the area cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	50 18 540 35 200 200 200 150 5,600	1 2 1.5 1 1 1 1 1 1 2	✓ ✓	N/A N/A N/A N/A N/A N/A N/A	BA/Grease Control BA/Grease Control BA BA BA BA/Grease Control Repair Completed BA/Grease Control	6 Months 6 Months 6 Months 6 Months 6 Months N/A 12 Months
5/19/10 5/19/10 5/20/10 5/23/10 6/10/10 6/25/10 6/28/10	4509 LANDON DRIVE 3628 LUCINDA DRIVE 1401 CASSELL DRIVE 906 STEWART STREET 410 HASTINGS LANE 1312 CASSELL DRIVE 6310 ROBERTS ROAD 5660 COLONIAL CIRCLE 2911 JERSEY AVENUE	LC KUW KUW KUW FC KUW EB KUW KUW	Third Creek First Creek Second Creek Second Creek Second Creek Eastbridge First Creek Third Creek	3 10 23 33 10 111 3 29	Lateral Cleanout MH 14-103 MH 35-56 MH 32-48 MH 14-101 Broken Force Main MH 14-2 MH 8-30		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. 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 - Grease. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned. Blockage - Grease and Debris. 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. Blockage - Roots. The sewer main was flushed & area was cleaned.	50 18 540 35 200 200 150 5,600 3,200	1 2 1.5 1 1 1 1 1 1 2 24	√ ✓	N/A N/A N/A N/A N/A N/A N/A Construction Completed	BA/Grease Control BA/Grease Control BA BA BA BA/Grease Control Repair Completed BA/Grease Control BA/Grease Control BA	6 Months 6 Months 6 Months 6 Months 6 Months N/A 12 Months 3 Months
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5/19/10 5/19/10 5/20/10 5/23/10 6/10/10 6/25/10 6/28/10 7/5/10	4509 LANDON DRIVE 3628 LUCINDA DRIVE 1401 CASSELL DRIVE 906 STEWART STREET 410 HASTINGS LANE 1312 CASSELL DRIVE 6310 ROBERTS ROAD 5660 COLONIAL CIRCLE 2911 JERSEY AVENUE	LC KUW KUW KUW FC KUW EB KUW KUW	Third Creek First Creek Second Creek Second Creek Fourth Creek Second Creek Eastbridge First Creek Third Creek South Knoxville First Creek	3 10 23 33 10 111 3 29 39	Lateral Cleanout MH 14-103 MH 35-56 MH 32-48 MH 14-101 Broken Force Main MH 14-2 MH 8-30 Broken Sewer Lateral		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. 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 - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area 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 - Grease and Debris. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	50 18 540 35 200 200 150 5,600 3,200 13000	1 2 1.5 1 1 1 1 1 1 2 24	✓ ✓	N/A N/A N/A N/A N/A N/A Construction Completed N/A	BA/Grease Control BA/Grease Control BA BA BA BA/Grease Control Repair Completed BA/Grease Control BA/Grease Control BA/Grease Control BA/Grease Control	6 Months 6 Months 6 Months 6 Months 6 Months N/A 12 Months 3 Months N/A
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2001-2014 Building Backups

Date	Street # Street	Plant Watershed Ba	Isin Backup Location	Event included in SSOER	Cause of Backup/KUB Response	Volume	Duration (Hours)		Capital Project BI	Short-Term Controls Blockage Abatement (BA)	BA Schedule
10/08/08	2800 FAIRVIEW STREET		16 Building Backup		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	200	1		√A	BA/Grease Control	6 Months
02/02/11	2101 EDGEWOOD AVENUE		16 Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	50	0.25		√A	Repair Completed	N/A
02/07/11	800 TYSON STREET		23 Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	1100	Unknown		1/A	Repair Completed	N/A
02/28/11 02/28/11	3218 & 3220 AVONDALE AVENUE 1912 PARIS ROAD	Noti The block	8 MH 22-33, Broken Lateral, and Building Backup 13 Building Backup	√	Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	1500 30	3 0.5		N/A on Completed	BA/Grease Control N/A	12 Months N/A
02/28/11	143 SOUTH VAN GILDER STREET		13 Building Backup 24 Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	5	0.5		on Completed	N/A N/A	N/A
03/02/11	2800 FAIRVIEW STREET		16 Building Backup	-	Construction Failure - Bypass pumping failure. The area was cleaned.	40	1		V/A	Repair Completed	N/A
03/04/11	2111 & 2115 EDGEWOOD AVENUE		16 Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	1100	1 *		on Completed	N/A	N/A
03/04/11	4317 HIAWATHA DRIVE	KUW Third Creek 3	38 Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	40	1	Construction	on Completed	N/A	N/A
03/22/11	4924 LONAS ROAD		33 Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	200	1.5		N/A	Repair Completed	N/A
03/24/11	205 WEST BAXTER AVENUE		23 Building Backup		Construction Failure - Bypass pumping failure. The area was cleaned.	200	1		V/A	Repair Completed	N/A
04/07/11	3526 BUFFAT MILL ROAD		18 MH 65-19 and Building Backup	~	Blockage - Roots. The sewer main was flushed & area was cleaned.	300	4		V/A	BA	12 Months
04/30/11	445 BLOUNT AVENUE		39 Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	10	0.5	Construction	on Completed	N/A N/A	N/A N/A
06/24/11 06/24/11	2111 EDGEWOOD AVENUE 3619 ESSARY DRIVE		16 Building Backup 1 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	on Completed ruction Planned	N/A N/A	N/A
06/24/11	2300 GREENFIELD LANE		18 Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	50	1		ruction Planned	N/A	N/A
07/13/11	719 E LAKE FOREST DRIVE		11 Building Backup	-	Construction Failure - Bypass pumping failure. The area was cleaned.	225	0.083		N/A	Repair Completed	N/A
08/25/11	4209 CHINKAPIN LANE		11 Building Backup		Blockage - Grease. The sewer main was flushed & area was cleaned.	100	1	N	¶/A	BA/Grease Control	12 Months
09/01/11	6235 RUTLEDGE PIKE	LC Loves Creek 10	05 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 First Creek 2	2 Residential Grinder Pump and Building Backup	√	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	30	2	N	N/A	Repair Completed	N/A
12/22/11	5733 WILKERSON ROAD	KUW Third Creek		+	Blockage - Debris. The sewer main was flushed & area was cleaned.	310	4		V/A	BA	12 Months
12/29/11	4525 OLD KINGSTON PIKE		Building Backup		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	3		V/A	Repair Completed	N/A
1/25/2012	310 KENSI DRIVE		10 Lateral Cleanout and Building Backup	✓ ✓	Blockage - Debris. The sewer main was flushed & area was cleaned.	325	2		N/A	BA	6 Months
3/7/2012 4/3/2012	312 NINETEENTH STREET 3819 GLENFIELD DRIVE		Floor Drain and Building Backup Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned. Construction Failure - Sewer Main Flushing. The area was cleaned.	35 10	0.75 0.25		N/A N/A	BA Repair Completed	9 Months N/A
4/20/2012	616 LUTTRELL STREET			++	Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	5	0.5		N/A		N/A
6/9/2012	5034 ROWAN ROAD	KUW Second Creek 5			Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.5		V/A	Repair Completed BA	12 Months
8/17/2012	524 BEN HUR AVENUE		25 Broken Lateral and Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	60	2		VA	BA	6 Months
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	4824 HORSESTALL DRIVE	KUW First Creek 2			Heavy rainfall in the area resulted in high flows in the collection system.	10	1		¶/A	Repair Completed	N/A
9/19/2012	5219 BENT RIVER BOULEVARD	FC Fourth Creek 4	A Residential Grinder Pump and Building Backup	√	Grinder Pump Failure. Pump was repaired & the area was cleaned.	103	1 *	Construction	on Completed	N/A	N/A
9/25/2012	5219 BENT RIVER BOULEVARD		Residential Grinder Pump and Building Backup	×	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.33	Construction	on Completed	N/A	N/A
10/16/2012	1001 FLANDERS LANE - APARTMENTS 101,		42 Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
11/8/2012	5219 BENT RIVER BOULEVARD		Residential Grinder Pump and Building Backup	~	Grinder Pump Failure. Pump was repaired & the area was cleaned.	4	1 v		on Completed	N/A	N/A
12/2/2012 12/3/2012	6220 WESTERN AVENUE 3839 DEBONAIR DRIVE		9 Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Protruding Lateral. Lateral was trimmed & the area was cleaned.	15	0.5		N/A N/A	BA Repair Completed	9 Months N/A
12/3/2012	3843 DEBONAIR DRIVE		9 Building Backup		Broken System - Protruding Lateral. Lateral was trimmed & the area was cleaned. Broken System - Protruding Lateral. Lateral was trimmed & the area was cleaned.	10	1		N/A	Repair Completed	N/A N/A
12/17/2012	2423 CECIL AVENUE		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 1		-	Blockage - Roots. The sewer main was flushed & area was cleaned.	20	0.5	N	V/A	BA	6 Months
12/20/2012	3006 CORAM STREET		14 MH 10-27, Lateral Cleanout @ 222 Radford Place and Building Backup	√	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,550	2	N	N/A	BA	6 Months
1/15/2013	2326 CEDAR LANE		4 Manhole 22-30 & Building Backup	1	Heavy rainfall in the area resulted in high flows in the collection system.						
1/16/2013	5219 BENT RIVER BOULEVARD	KUW First Creek	4 Marinole 22-50 & Duliding Dackup		ricavy rainan in the area resulted in high hows in the concenter system.	5	2	Future Constr	ruction Planned	N/A	N/A
1/25/2013			Residential Grinder Pump and Building Backup		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	2 1	N	I/A	Repair Completed	N/A
	1617 DORA STREET	FC Fourth Creek 4 KUW Third Creek 2	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	6 6,800	2 1 ~ 9	N N	V/A N/A	Repair Completed Repair Completed	N/A N/A
2/6/2013	6310 LANTERN RIDGE LANE	FC Fourth Creek 4 KUW Third Creek 2 KUW Third Creek 2	Residential Grinder Pump and Building Backup 29 Building Backup 9 Building Backup		Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned.	6 6,800 1,750	1 v 9 Unknown	N N N	N/A N/A N/A	Repair Completed Repair Completed BA/Grease Control	N/A N/A 12 Months
4/8/2013	6310 LANTERN RIDGE LANE 912 E INSKIP ROAD	FC Fourth Creek 4 KUW Third Creek 2 KUW Third Creek 5 KUW First Creek 7	Residential Grinder Pump and Building Backup 9 Building Backup 9 Building Backup 7 Building Backup		Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	6 6,800 1,750 10	1 v 9 v Unknown 1	N N N N	V/A	Repair Completed Repair Completed BA/Grease Control Repair Completed	N/A N/A 12 Months N/A
4/8/2013 4/11/2013	6310 LANTERN RIDGE LANE 912 E INSKIP ROAD 825 CARRINGTON ROAD	FC Fourth Creek 4 KUW Third Creek 2 KUW Third Creek 3 KUW First Creek 7 FC Fourth Creek 33	Residential Grinder Pump and Building Backup 9 Building Backup 9 Building Backup 7 Building Backup 2b Building Backup		Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Construction Failure - Sewer Main Flushing. The area was cleaned.	6 6,800 1,750 10 25	1 v 9 Unknown 1 0.25	N N N N N	V/A	Repair Completed Repair Completed BA/Grease Control Repair Completed Repair Completed	N/A N/A 12 Months N/A N/A
4/8/2013 4/11/2013 4/28/2013	6310 LANTERN RIDGE LANE 912 E INSKIP ROAD 825 CARRINGTON ROAD 1540 JOUROLMAN AVENUE	FC Fourth Creek 4 KUW Third Creek 2 KUW Third Creek 2 KUW First Creek 7 FC Fourth Creek 3 KUW Third Creek 2	I3 Residential Grinder Pump and Building Backup 19 Building Backup 9 Building Backup 7 Building Backup 2b Building Backup 22 Manholes 6-194 & 6-219 & Building Backup		Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Construction Failure - Sewer Main Flushing. The area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned.	6 6,800 1,750 10 25 6,350	1 v 9 Unknown 1 0.25 6	N N N N N N N	V/A	Repair Completed Repair Completed BA/Grease Control Repair Completed Repair Completed BA/Grease Control	N/A N/A 12 Months N/A N/A 6 Months
4/8/2013 4/11/2013 4/28/2013 5/28/2013	6310 LANTERN RIDGE LANE 912 E INSKIP ROAD 825 CARRINGTON ROAD 1540 JOUROLMAN AVENUE 519 NOELTON DRIVE	FC Fourth Creek 4 KUW Third Creek 9 KUW First Creek 9 KUW First Creek 7 FC Fourth Creek 3 KUW Third Creek 3 KUW Third Creek 3	K3 Residential Grinder Pump and Building Backup 29 Building Backup 9 Building Backup 7 Building Backup 2b Building Backup 22 Manholes 6-194 & 6-219 & Building Backup 38 Building Backup		Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Construction Failure - Sewer Main Flushing. The area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	6 6,800 1,750 10 25 6,350 2	1 v 9 Unknown 1 0.25	N N N N N N N N N	V/A	Repair Completed Repair Completed BA/Grease Control Repair Completed Repair Completed BA/Grease Control BA	N/A N/A 12 Months N/A N/A 6 Months 12 Months
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4/8/2013 4/11/2013 4/28/2013 5/28/2013 8/24/2013 10/16/2013 10/26/2013 11/21/2013	6310 LANTERN RIDGE LANE 912 FINSKIP ROAD 825 CARRINGTON ROAD 1540 JOUROLMAN AVENUE 519 NOELTON DRIVE 2304 WOODS CREEK ROAD 409 N WINSTON ROAD 1216 BAKER AVENUE 5700 DOGWOOD DRIVE	FC Fourth Creek 4 KUW Third Creek 2 KUW Third Creek 3 FC Fourth Creek 3 KUW Third Creek 3 KUW Third Creek 3 LC Loves Creek 10 FC Fourth Creek 3 LC Loves Creek 10 FC South Knox 4 KUW First Creek 3	3 Residential Grinder Pump and Building Backup 29 Building Backup 9 Building Backup 7 Building Backup 2b Building Backup 22 Manholes 6-194 & 6-219 & Building Backup 88 Building Backup 05 Residential Grinder Pump and Building Backup 2b Lateral Cleanout and Building Backup 3 Building Backup	· · · · · · · · · · · · · · · · · · ·	Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Construction Failure - Sewer Main Flushing. The area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned. Blockage - Debris. The sewer main was flushed & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. Blockage - Grease. The sewer main was repaired & the area was cleaned. Blockage - Grease. The sewer main was repaired & the area was cleaned. Blockage - Grease. The sewer main was repaired & the area was cleaned. Blockage - Grease. The sewer main was repaired & area was cleaned. Construction Failure - Sewer Main Flushing. The area was cleaned.	6 6,800 1,750 25 6,350 2 25 300 10 2	1 9 Unknown 1 0.25 6 0.0166 1 2 0.25 0.125	N N N N N N N N N N N N N N N N N N N	VA V	Repair Completed Repair Completed BA/Grease Control Repair Completed Repair Completed BA/Grease Control BA Repair Completed Repair Completed BA/Grease Control Repair Completed	N/A N/A 12 Months N/A 6 Months 12 Months N/A N/A 6 Months N/A
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2001-2014 Building Backups

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Answer Answer<	Date	Street # Street	Plant V	Watershed	Basin	Backup Location	Event included in SSOER	Cause of Backup/KUB Response	Volume	Duration more times within 12	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule		
State State <th< td=""><td>06/24/11</td><td></td><td>KUW</td><td>First Creek</td><td>1</td><td>Building Backup</td><td></td><td>Heavy rainfall in the area resulted in high flows in the collection system.</td><td></td><td>1.5</td><td>Future Construction Planned</td><td>N/A</td><td></td></th<>	06/24/11		KUW	First Creek	1	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.		1.5	Future Construction Planned	N/A			
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DDM DM Low Derivation Constrained D D D D<	4/8/2013		KUW	First Creek	7			Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1					
Solution	2/3/2014	1305 FIELDWOOD DRIVE	KUW	First Creek	7	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	20	1	N/A	Repair Completed	N/A		
NAME NAME <th< td=""><td></td><td></td><td></td><td></td><td>-</td><td></td><td>~</td><td></td><td></td><td>÷</td><td></td><td></td><td></td></th<>					-		~			÷					
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9990000 9000000 9000000000000000000000000000000000000		4912 CAIN ROAD			11	Mahole 27-33 & Building Backup	~	Blockage - Grease. The sewer main was flushed & area was cleaned.	180	2	N/A		12 Months		
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32/10/1 2007 AMADRESON ROAD KW Twi Creek 22 Deliding backur Incl Constructor Failure - Sporer Manne Funding. The area was cleaned. 50 0.25 WTM Readir Creek NA 020211 800 YDSN STREET KW Readir Creek 24 Building Backur Constructor Failure - Sporer Manne Supports 100 Unrown NA Readir Creek NA 020211 8100 YDSN STREET KW Nonder Street 24 Building Backur Constructor Failure - Spore sporer failure. 100 Unrown NA Readir Creek NA 87/7072 623 BH MER AVENUE KW Winding Dakkur Constructor Failure - Spore manne statulated as the spore scienced. 60 2 NA Readir Creek 90 NA Readir Creek 90 NA NA Readir Creek NA Readir Creek 80 NA Readir Creek NA Readir C	4/28/2013	1540 JOUROLMAN AVENUE	KUW 1	Third Creek	22		~		6,350	6	N/A	BA/Grease Control	6 Months		
abs/ 002/11 200 VERT BATTER AVENUE VUM Second Creek 3 Building Backup Image: Control Fallers Space Strate NA Repair Control Fallers NA 02/211 163 Sold VYEAN SERET KUM Find Creek 33 A Backing Backup Control Fallers Control Fallers Social Fallers 6 6 5 Control Fallers NA Backing Backup A Backing Backup A Control Fallers 6 6.5 Control Fallers NA Backup Fallers Faller	12/12/2013	2437 KEITH AVENUE	KUW 1	Third Creek	22	Lateral Cleanout and Building Backup	~	Blockage - Grease. The sewer main was flushed & area was cleaned.	105	1	Future Construction Planned	N/A	N/A		
0.00071 0.800 TSON STREFT KUW Becond Ceek 23 Building Backup Contruction Failure - Unconnected Lateral. The lateral was regared & the reas swater. 100 Uncon Construction Constructi	3/21/2014	2907 SANDERSON ROAD	KUW T	Third Creek	22	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	5	0.25	N/A	Repair Completed	N/A		
142 CUPUT VA GLDER STREET KUV First Ceek 24 Building Backup Here variable in high lows in the collection sparse and lems in the collection sparse. Sparse in the collection sparse and lems in the collection sparse and lems in the collection sparse. Sparse in the collection sparse and lems in the collection sparse. Sparse in the collection sparse and lems in the collection sparse. Sparse in the collection sparse in the collection sparse in the collection sparse. Sparse in the collection sparse in the collection sparse. Sparse in the collection sparse in the collection sparse. Sparse in the collection sparse in the collection sparse. Sparse in the collection sparse in the collection sparse. Sparse in the collectin sparse. Sparse in the collection sparse in the c	03/24/11	205 WEST BAXTER AVENUE	KUW Se	econd Creek	23	Building Backup		Construction Failure - Bypass pumping failure. The area was cleaned.	200	1	N/A	Repair Completed	N/A		
422020 616 UTTREL STREET Ku0 Find Creek 24 Building Backup / Construction Failure - Inconnected Lateral. The lateral was majoride At area was cleaned. 60 0.5 NA Begair Completed NA 3772012 323 INNETEENTH STREET KU0 Third Creek 29 Boulding Backup / Bouckage - Roots: The sever main was builded Rate was cleaned. 6.80 0.75 NAA BRepair Completed NAA 022011 4521 LANS REFET KUW Third Creek 33 Building Backup / Construction Failure - Sever Main Instantive stergined At area was cleaned. 60 1.5 NAA Repair Completed NA 020211 4525 LON RAVENCE KW0 Third Creek 33 Building Backup Construction Failure - Sever Main Instantive mas regaired At area was cleaned. 60 1.5 NAA Repair Completed NAA 020211 4526 LON RAVENCE NW0 Third Creek 33 Building Backup Construction Failure - Sever Main Instantive mas regaired At area was cleaned. 60 1.5 NAA															
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97/2012 312 NINETEENTH STREET KW Third Creek 20 Floor Disin and Building Backup 4' Blockage - Roots. The stress thated area was cleaned. 55 0.75 NA Repart Completed NA/s 0322/11 4525 LOL KINST STREET KW Third Creek 33 Building Backup Construction Failure - Noncinectal Learnal was regared & date awas cleaned. 200 1.5 NA Repair Completed NA/s 0322/11 4525 LOL KINST STREET KW Third Creek 33 Building Backup Borken Stress Stres									-						
1125203 11917 DORA STREET KUW Third Creek 29 Building Backup Construction Failure - Venconcended Lateral. The tarea was cleaned. 6,800 9 NA Repair Completed NA 032211 4424 LONKSSTON PIKE KUW Third Creek 34 Building Backup Construction Failure - Venconcended Lateral. The server mains sturbed & fare area was cleaned. 20 3.5 NA Repair Completed NA 1222911 4452 (DAKKSSTON PIKE KUW Third Creek 34 Building Backup Construction Failure - Venconcelled Lateral. The server mains sturbed & fare area was cleaned. 20 0.0166 NA Repair Completed NA 43/3012 3191 (DELTANELD DRIVE KUW Third Creek 38 Building Backup Construction Failure - Venconcesten 40 1 Construction Completed NA Repair Completed NA 43/3012 3191 (DELTAN ALELD DRIVE KUW Nine Creek 38 Building Backup Construction Completed Pair Pair Pair Pair Pair Pair Pair Pair							•								
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1222011 4425 CLD KINGSTOP NIKE KUW Tind Creek 34 Building Backup End Reich System Carbon System Kan was repaired & the area was cleaned. 50 3.0 0.016 NAA Bepair Completed NA 4320 10 519 SUED TON DRIVE KUW Tind Creek 38 Building Backup C Construction Failure - starwas cleaned. 10 0.25 NA NA Repair Completed NA 44327 HAVMATHA DRIVE KUW Tind Creek 38 Building Backup C Construction Failure - starwas cleaned. 10 0.5 C NA Repair Completed NA 0430/11 4437 HAVMATHA DRIVE KUW Such Knoxxi 40 Austar Construction Completed NA NA 0430/11 4435 BLOURT AVENUE KUW Such Knoxxi 40 Latera Carbonata Backup C Blockage - Roots The sever main was flukhed & area was cleaned. 10 0.5 C NA Blockage - Roots The sever main was flukhed & area was cleaned. 10 0.5 NA Blockage - Roots The sever main was flukhed & area was cleaned. 10 0.5 C NA Blockage										-					
528203 519 NOELTON DNIVE KUW Third Ceek 38 Genetic Backage-Despiration was fushed & area was cleaned. 2 0.016 CM Repir Composition Repir Composition Nat 34301 43317 HAWATHA DNIYE KUW Third Ceek 38 Genetic Backage-Despiration 40 1 Construction Completed NAt NAt 034011 4451 HAWATHA DNIYE KUW Third Ceek 38 Genetic Backage-Despiration 40 1 Construction Completed NAt NAt 042011 4455 BACKR AVENUE KUW South Kors 40 Lateral Ceenout and Building Backup 4'' Genetic Backage-Rease: The sever main was flushed & area was cleaned. 10 0.25 Construction Completed NA 01/22/0101 5006 REBCCA LANE KND KND 4'' Baldiding Backup ''<															
4/3/201 393 CLENFIELD DRIVE KUW Thrid Creek 38 Building Backup Construction Failure - Sever Main Flushing. The area was cleaned. 10 0.2 NA NA 03/04/11 4317 HAWATHA DRIVE KUW South Knoxx/iii 39 Building Backup Heavy rainfall in the area resulted in high flows in the collection system. 10 0.5 < <td>Construction Completed NA NA 03/04/11 4431 HAWATHA DRIVE KUW South Knoxx 40 Building Backup Heavy rainfall in the area resulted in high flows in the collection system. 10 0.5 <<td>NA NA NA 10/26/2013 1216 BAKE A VENUE KUW South Knoxx 40 Building Backup Biochage creases. The sever main was flushed & area was cleaned. 10 0.5 NA BAC 6Months 2/17/2014 508 REECCA LAME KUW South Knoxx 40 Building Backup Construction Failure - Bayes mains distabet & area was cleaned. 5 10 NA BAC BAC 10/16/2012 101 FLAKE FOREST DRIVE KUW Knok Creek 43 Rese</td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	Construction Completed NA NA 03/04/11 4431 HAWATHA DRIVE KUW South Knoxx 40 Building Backup Heavy rainfall in the area resulted in high flows in the collection system. 10 0.5 < <td>NA NA NA 10/26/2013 1216 BAKE A VENUE KUW South Knoxx 40 Building Backup Biochage creases. The sever main was flushed & area was cleaned. 10 0.5 NA BAC 6Months 2/17/2014 508 REECCA LAME KUW South Knoxx 40 Building Backup Construction Failure - Bayes mains distabet & area was cleaned. 5 10 NA BAC BAC 10/16/2012 101 FLAKE FOREST DRIVE KUW Knok Creek 43 Rese</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	NA NA NA 10/26/2013 1216 BAKE A VENUE KUW South Knoxx 40 Building Backup Biochage creases. The sever main was flushed & area was cleaned. 10 0.5 NA BAC 6Months 2/17/2014 508 REECCA LAME KUW South Knoxx 40 Building Backup Construction Failure - Bayes mains distabet & area was cleaned. 5 10 NA BAC BAC 10/16/2012 101 FLAKE FOREST DRIVE KUW Knok Creek 43 Rese					-								
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10/26/2013 12/16 BAKER AVENUE KUW South Knox 40 Lateral Cleanout and Building Backup Blockage - Grease. The sever main was flushed & area was cleaned. 10 0.25 VM MA/A BA/Grease Cnoth 6 Months 22/12/01 508 RBEECCA LANE KUW South Knox 40 Building Backup Construction Failure - Bynass pumping failure. The area was cleaned. 225 0.08 NA Repair Completed NA 0/16/2012 100 FLAKE FOREST DRIVE KUW KNM KUW Repair Completed NA 0/16/2012 5219 BENT RIVER BOULEVARD FC Fourth Creek 42 Building Backup ✓ Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. 10 1 ✓ NA Repair Completed NA 9/12/2012 5219 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump and Building Backup ✓ Grinder Pump Failure. Pum was repaired & the area was cleaned. 103 ✓ Construction Completed NA NA 9/12				Third Creek	38			Heavy rainfall in the area resulted in high flows in the collection system.		1	Construction Completed				
22/12/01 5008 REBECCA LANE KUW South Knox 40 Building Backup 6 Blockage - Roots. The sever main was flushed & area was cleaned. 5 1 NA BA 6 Months 07/13/1 7/19 E LAKE FOREST DRIVE KNO Kno Creek 41 Building Backup Construction Failure - Bypass pumping failure. The taera was cleaned. 50.83 NA Repair Completed NA 10/16/2012 1001 FLANDERS LANE - APARTMENTS 101, 102, & 103 FC Fourh Creek 42 Building Backup Construction Failure - Unconnected Lateral. The lateral was cleaned. 10 1 NA Repair Completed NA 9/19/2012 5219 BENT RIVER BOULEVARD FC Fourh Creek 43 Residential Grinder Pump and Building Backup ✓ Grinder Pump Failure. Pump was repaired & the area was cleaned. 10 1 ✓ Construction Completed NA NA 11/62/012 5219 BENT RIVER BOULEVARD FC Fourh Creek 43 Residential Grinder Pump and Building Backup ✓ Grinder Pump Failure. Pump was repaired & the area was cleaned. 10 ✓ On NA NA NA NA NA <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>															
Original Tip ELAKE FOREST DRIVE KuW Knob Creek 41 Building Backup Construction Failure - Bypass pumping failure. The area was cleaned. 225 0.083 NA Repair Completed N/A 0/16/2012 1001 FC Fourth Creek 43 Residential Grinder Pump and Building Backup ✓ Grinder Pump Failure. Pump was repaired & the area was cleaned. 103 1 ✓ Construction Completed N/A					-		~								
Ol/16/2012 10/16/2012 FLANDERS LANE - APARTMENTS 101, 102, 8103 FC Fourth Creek 42 Building Backup Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. 100 1 N/A Repair Completed N/A 9/19/2012 5219 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump and Building Backup ✓ Grinder Pump Failure. Pump was repaired & the area was cleaned. 103 1 ✓ Construction Completed N/A									-				-		
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9/2/52/125219BENT RIVER BOULEVARDFCFourth Creek43Residential Grinder Pump and Building Backup·Grinder Pump Failure. Pump was repaired & the area was cleaned.250.33·Construction CompletedNANA1/18/20125219BENT RIVER BOULEVARDFCFourth Creek43Residential Grinder Pump and Building Backup·Grinder Pump Failure. Pump was repaired & the area was cleaned.41·Ontruction CompletedNANA1/16/20135219BENT RIVER BOULEVARDFCFourth Creek43Residential Grinder Pump and Building Backup·Grinder Pump Failure. Pump was repaired & the area was cleaned.61·NARepair CompletedNA1/16/20132304WOODS CREEK ROADLCLoves Creek105Residential Grinder Pump and Building Backup·Grinder Pump Failure. Pump was repaired & the area was cleaned.651·NARepair CompletedNA0/01/116235RUTLEDGE PIKELCLoves Creek105Grinder Pump and Building Backup·Grinder Pump Failure. Pump was repaired & the area was cleaned.201NARepair CompletedNA0/16/2013409NUNSTON ROADFCFourth Creek32Lateral Cleanout and Building Backup·Grinder Pump Failure. Pump was repaired & the area was cleaned.201NANARepair CompletedNA10/16/2013409NUNSTON ROADFCFourth Creek32Lateral Cleanout and Buil							~			1 1					
11/8/2012 5219 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump and Building Backup ✓ Grinder Pump Failure. Pump was repaired & the area was cleaned. 4 1 ✓ Construction Completed NA NA 11/8/2013 5219 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump and Building Backup ✓ Grinder Pump Failure. Pump was repaired & the area was cleaned. 6 1 ✓ NA Repair Completed NA 8/24/2013 2034 WOODS CREEK ROAD LC Loves Creek 105 Residential Grinder Pump and Building Backup ✓ Grinder Pump Failure. Pump was repaired & the area was cleaned. 6 1 ✓ NA Repair Completed NA 9/24/2013 2034 WOODS CREEK ROAD LC Loves Creek 105 Grinder Pump and Building Backup ✓ Grinder Pump Failure. Pump was repaired & the area was cleaned. 25 1 C NA Repair Completed NA 9/01/11 6235 NWINSTON ROAD FC Fourth Creek 30 C NA Repair Completed NA 10/16/2013 409 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>~</td> <td></td> <td></td> <td>0.33 🗸</td> <td></td> <td></td> <td></td>							~			0.33 🗸					
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Image: Note of the second s			FC F	ourth Creek		Residential Grinder Pump and Building Backup			U	1 🗸	N/A				
10/16/2013 409 N WINSTON ROAD FC Fourth Creek 32 Lateral Cleanout and Building Backup 4 Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned. 300 2 N/A Repair Completed N/A			LC L	Loves Creek			~		25	1	N/A	Repair Completed			
							×			1			14/7 (
4/11/2013 825 [CARRINGTON ROAD FC Fourth Creek 32b] Building Backup Building Backup N/A Repair Completed N/A							~			-					
	4/11/2013	825 CARRINGTON ROAD	FC F	-ourth Creek	32b	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	25	0.25	N/A	Repair Completed	N/A		

2001-2014 Building Backups

Date	Street #	Street	Plant	Watershed	Basin	Backup Location	Event included in SSOER	Cause of Backup/KUB Response	Volume	Duration (Hours)	Event Occurred two or more times within 12 Long-Term Capital months Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
3/18/02		HOLSTON HILLS RD	LC	Loves Creek	26	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	Unknown	Unknown	N/A	BA	12 Months
11/8/06				Second Creek	-	Building Backup		Blockage - Debris, The sewer main was flushed & area was cleaned.	200	1.5	N/A	Repair Completed	N/A
8/2/07		WALROCK LANE	KUW	0000110 010011	12	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	540	1.66	N/A	BA	12 Months
12/10/08		HOLSTON HILLS ROAD	LC		26	Building Backup		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	50	1.00	N/A	Repair Completed	N/A
01/06/09		KEOWEE AVENUE	KUW		38	Building Backup		Blockage - Unknown. The sewer main was flushed & area was cleaned.	1000	0.5	N/A	BA	6 Months
01/00/00	1000		1.011		00	Building Buokup			1000	0.0	Future Construction	Bit	o monaro
01/06/09	5230	MCNUTT ROAD	KUW	Knob Creek	41	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	11	0.25	Planned	N/A	N/A
02/01/09		DEERFIELD ROAD	KUW		11	Building Backup		Blockage - Roots, The sewer main was flushed & area was cleaned.	1	1	Construction Completed	N/A	N/A
03/15/09	4726 & 4728	BALL CAMP PIKE	KUW		12	Building Backup		Blockage - Grease. The sewer main was flushed & area was cleaned.	375	0.5	N/A	BA/Grease Control	1 Month
03/17/09		LINDEN AVENUE		Williams Creek	19	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	1	0.02	N/A	BA/Grease Control	3 Months
4/13/09		FRATERNITY PARK DRIVE	KUW	Third Creek	35B	Patio and Building Backup	1	The capacity of the sewer main was exceeded when a swimming pool was drained.	650	2.25	N/A	Repair Completed	N/A
04/21/09		WALROCK LANE	KUW		12	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.17	N/A	BA	6 Months
04/21/03	7210		NO W	Third Oreek	12	Duilding Dackup		biotrage Roots. The sewer main was hashed & area was cleaned.	10	Intermittent over		BA	0 10011013
5/14/09	200	E JACKSON AVE	кuw	First Creek	30	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	900	several weeks	N/A	Repair Completed	N/A
05/20/09		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		GLASGOW ROAD	KUW		7	Building Backup		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	100	2.25	N/A	BA/Grease Control	6 Months
05/27/09		STRAWBERRY PLAINS PIKE	EB	Eastbridge	72	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	2	0.016	N/A	BA/Grease Control	6 Months
05/28/09		NICHOLS AVENUE		Williams Creek	19	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	15	0.33	N/A	BA/Grease Control	12 Months
06/10/09		WAYNE DRIVE	LC		6	Building Backup		Blockage - Unknown. The sewer main was flushed & area was cleaned.	3	0.33	N/A	BA	3 Months
07/13/09		ADA LANE	KUW	First Creek	2	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	98	0.5	N/A	N/A	N/A
07/15/09		SPRING HILL ROAD	LC	Loves Creek	6	Building Backup		Construction Failure - Dig-in. The lateral was repaired & the area was cleaned.	20	6	N/A	N/A	N/A
09/01/09		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	-	GINNBROOKE LANE	-	South Knoxville		Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	120 Intermittently	Construction Completed	N/A	N/A
09/26/09		E GOVERNOR JOHN SEVIER HWY	LC	Loves Creek	60	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	Construction Completed	N/A	N/A
09/26/09	2637	W. BLOUNT AVENUE	KUW	South Knoxville	39	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	1000	2	Construction Completed	N/A	N/A
10/10/09		BRUHIN RD	KUW	Second Creek	10	Building Backup		Blockage - Grease. The sewer main was flushed & area was cleaned.	50	29 Intermittently	N/A	BA/Grease Control	6 Months
10/13/09	3605	GARDEN DRIVE	KUW	First Creek	3	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	5	0.25	N/A	Repair Completed	N/A
10/21/09		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
01/24/10	1109	BIDDLE STREET	KUW	Williams Creek	25	Lateral Cleanout and Building Backup	\checkmark	Blockage - Roots. The sewer main was flushed & area was cleaned.	1000	1	N/A	BA	6 Months
01/25/10	5706	WALLWOOD DRIVE	KUW	Third Creek	9	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	275	3	N/A	BA	6 Months
01/26/10	420	CLINCH AVENUE	KUW	Second Creek	23	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	4000	1	N/A	BA	6 Months
02/03/10	5401	GREENCREST ROAD	KUW	First Creek	1	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	15	1	N/A	BA	6 Months
02/26/10	1127	MAGNET PLACE	KUW	Williams Creek	31	Building Backup		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	33	2	N/A	BA/Grease Control	6 Months
03/29/10	319	ECHODALE LANE	KUW	South Knoxville	41	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	5	0.5	N/A	Repair Completed	N/A
03/30/10	2924	SUTHERLAND AVENUE	KUW	Third Creek	28	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	15	0.05	N/A	N/A	N/A
04/05/10	2920	SUTHERLAND AVENUE	KUW	Third Creek	28	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	1	0.02	N/A	N/A	N/A
04/09/10	8630	ASHEVILLE HIGHWAY	EB	Eastbridge	72	Private Property and Building Backup	\checkmark	Blockage - Debris. The sewer main was flushed & area was cleaned.	950	15	N/A	BA	12 Months
05/03/10	1709	FAIRMONT BOULEVARD	KUW	First Creek	16	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	300	4	N/A	BA	6 Months
05/03/10		HOLSTON HILLS ROAD	LC	Loves Creek	26	MH 104-4 and Building Backup	\checkmark	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	940	1.5	N/A	Repair Completed/BA	12 Months
05/03/10		SHETLAND DRIVE				Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1	N/A	Repair Completed	N/A
05/17/10		BERNARD AVENUE	KUW		-	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	20	4	N/A	Repair Completed	N/A
05/24/10		CASSELL DRIVE	KUW	Second Creek		Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	1.5	0.017	N/A	N/A	N/A
07/16/10		CLINCH AVENUE		Second Creek	35a	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	500	4	N/A	Repair Completed	N/A
07/22/10	1317	LOUISIANA AVENUE	KUW	Second Creek	15	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	500	3	N/A	BA	6 Months
11/07/10		BRADSHAW GARDEN ROAD	KUW	Third Creek	13	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	5	1	N/A	BA	6 Months
11/09/10		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 Months
12/06/10	541	WOODLAWN PIKE	KUW	South Knox	40	Building Backup		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	500	5	N/A	Repair Completed	N/A