# 2003-2015 Sanitary Sewer Overflow Evaluation Report

# **Including Building Backups and Trend Analysis**

# Submitted to EPA on March 29, 2016

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

3-29-16

Date





# **Executive Summary**

# 2003-2015 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 2003-2015 SSOER is an evaluation of the sanitary sewer overflows (SSOs), including building backups, that occurred between January 2003 and December 2015. 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 2011) 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 "2003-2015 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 percent decrease in the number of wet-weather SSOs, including building backups, and a 68.8 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 (74) since PACE 10 implementation, which is an improvement upon last year's total of 75 given that the Knoxville area experienced an approximate ten inch increase in the amount of annual rainfall increasing the potential for wet-weather overflows. The number of unpermitted discharges in 2015 totaled 21. The decrease in events since the implementation of PACE 10 can be attributed to a significant amount of rehabilitation or replacement (318 miles) of sewer main and the completion of over 285 projects, including six wet-weather storage tanks with 34 million gallons of total storage. The 22 infrastructure improvement projects that were completed in 2015 under our Century II Program are in addition to the previously completed CAP/ER projects. The Continuing Sewer System Assessment Program (CSSAP), which is a systematic evaluation of the entire wastewater collection and transmission system, is complete and finished ahead of schedule (January 2016), and KUB is continuing the process of recurrent systematic evaluations of its wastewater system in an effort to identify and proactively address system needs to prevent SSOs under Century II.

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 51.66 inches of rain in 2015, which was approximately ten inches above the 2014 yearly rainfall total. In addition, the month of December experienced an above average amount of precipitation that substantially increased the possibility for I/I and accounted for five of the 11 wet-weather overflows that occurred in 2015. However, KUB's continued focus on maintaining its MOM programs to improve the collection system's overall effectiveness resulted in the lowest number of total overflow events than in any previous year since the start of PACE 10.

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 64 times in 2015, containing over 97 million gallons of wastewater. As a result of increased annual rainfall, KUB's wastewater collection system managed two times as much flow during wet-weather events in 2015, without experiencing an increase in total overflows. This was due in large part to the effectiveness of KUB's wastewater storage facilities, which saw an increase of over 73 percent (41.2 million gallons) in the amount of wastewater stored in 2015 relative to 2014. 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 public health and environment.

There has also been a 90 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 "2003-2015 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.
  - o 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 "2003-2015 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

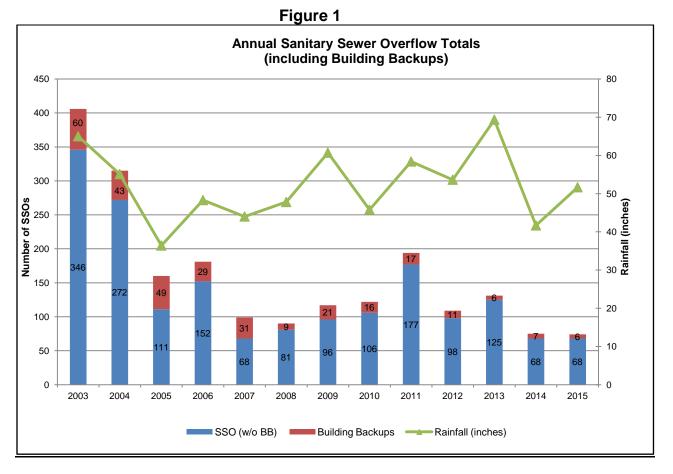
cases when a backup has occurred two or more times in a 12-month period, a long-term corrective action will also be needed in addition to BA.

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

# 2003-2015 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 12 years. This trend has been largely defined by system improvements, effective maintenance programs, and weather events. In fact, the increased frequency of rainfall events, which create 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.

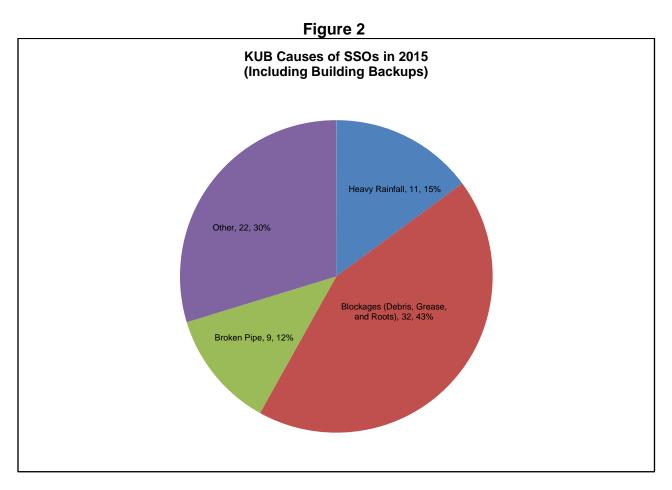
Then in 2013, the number of SSOs and building backups increased to 131, 50 of which were wetweather related. The Knoxville area received 69.35 inches of rain, which was 21.49 inches above normal. The NWS precipitation records, collected for Knoxville since 1871, rank 2013 in second place for all time 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. Rainfall amounts in 2014 decreased to 41.67 inches, which was at least eight inches below normal. There were only nine wet-weather overflows in 2014. This was 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.

In 2015, total SSOs and building backups decreased to 74. This marks the lowest number of overflows to occur since the beginning of PACE 10. As previously mentioned, the total rainfall for 2015 increased to 51.66 inches. It is important to note that the total rainfall for 2015 exceeded that of 2014 by approximately ten inches, yet this significant increase in total rainfall did not increase the total number of overflows. In fact, the KUB service area experienced one less overflow than last year. In addition, a comparative analysis of data from 2012 and 2015, two years with similar amounts of annual rainfall, reveals a 32.1 percent decrease in the amount of total overflows that occurred in 2015. The overall decrease in wet-and dry-weather overflows can be attributed to KUB's commitment to maintaining its ongoing MOM programs and aggressively identifying areas for system improvements.

As seen in Figure 2, there were 63 dry-weather SSOs including building backups in 2015, which account for approximately 85 percent of total overflows. Compared to 2003, there has been a 68.8 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 (318 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. In 2015, BA crews cleaned 945,607 feet (ft) (179 miles) and televised 192,938 ft (36 miles) of these gravity sewers in our system. KUB had 708,288 ft (134 miles), or 11 percent of its sewer mains, in the BA program in 2015.

As mentioned in the 2015 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 2015.



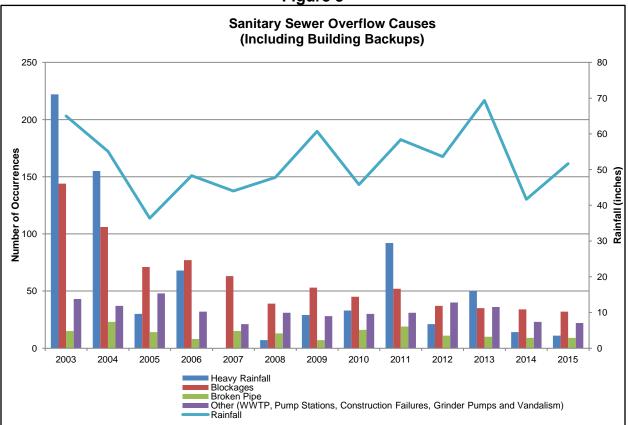
# Causes of Sanitary Sewer Overflows

Figure 2 presents a comparison of SSOs for 2015 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 34 in 2014 to 32 in 2015, but they have declined by approximately 77 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 179 miles of sewer main through the BA Program. This represents an approximate 34 percent increase over the yearly goal of 134 miles of sewer main scheduled to

be cleaned as part of the BA Program in 2015. The progress of the BA Program is evident when looking at the number of blockage-related events compared to 2003.

In 2015, KUB also used televised video to indentify sections of sewer mains containing grease buildup of ten percent or more. As a result of the video inspections, KUB was able to remove grease buildup from approximately 82,000 (LF) of sewer mains. In addition to discovering segments of the collection system to be placed on BA, this televised video will also allow KUB to identify customer areas to target for Can the Grease Program information.

Along with the BA Program and televised assessments, 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 1,500 food service facilities were inspected in 2015 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 17 in 2015.

Each program is described in greater detail in the summaries for the Gravity Line Preventative Maintenance and Grease Control Program included in the 2015 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 at least 95 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 (318 miles) of sewer main and completion of over 285 sewer improvement projects, including six wastewater storage facilities with 34 million gallons of total storage capacity.

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.

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 seven of the nine wet-weather 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 wet-weather overflows in 2005 relative to nine in 2014, which amounts to a 70% decrease. This decrease can be attributed to KUB's system improvements.

As highlighted previously, the Knoxville area received 51.66 inches of rain in 2015, which was approximately ten inches above the 2014 yearly rainfall total. In addition, the month of December experienced an above average amount of precipitation that substantially increased the possibility for I/I and accounted for five of the 11 wet-weather overflows that occurred in 2015. KUB's wastewater collection system managed two times as much flow during wet-weather events without experiencing an increase in total overflows. This was due in large part to the effectiveness of KUB's wastewater storage facilities, which saw an increase of over 73 percent (41.2 million gallons) in the amount of wastewater stored in 2015 relative to 2014. The 2015 wet-weather overflow data results continue to reflect KUB's commitment to maintaining its MOM programs and making improvements to the wastewater collection system.

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 "2003-2015 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 2015. 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 318 miles of pipe have been rehabilitated since the beginning of the PACE 10 program.

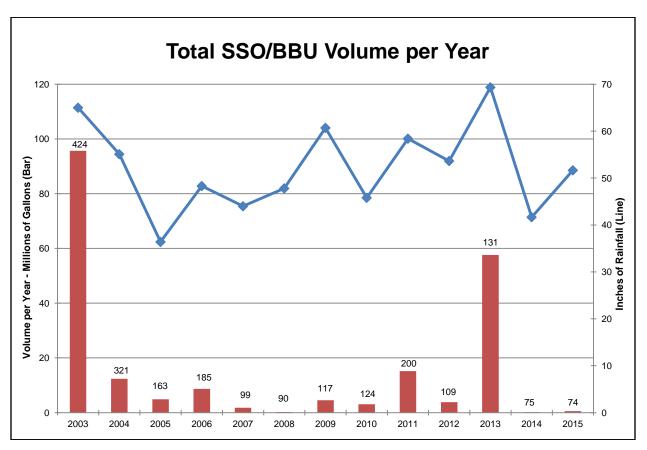
### <u>Other</u>

Construction failures and grinder pump failures were the primary drivers in this category for 2015. 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 eight SSOs and building backups were caused by grinder pump failures, representing 36.3 percent of total SSOs in this category. As part of KUB's Grinder Pump Inspection Program, KUB-owned grinder pumps are assessed, prioritized, and set on an aggressive maintenance schedule. The 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. Customers are advised that to prevent overflows, grease, sanitary wipes, or other items that could impact the pump should be avoided. The educational efforts made on behalf of KUB's inspection program have led to the lowest number of overflows caused by grinder pump failures over the past two years. KUB will continue to closely monitor the wastewater collection system for grinder pump related overflow activity to determine if an increase in the frequency of inspections is required.

In addition, construction failures caused 13 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



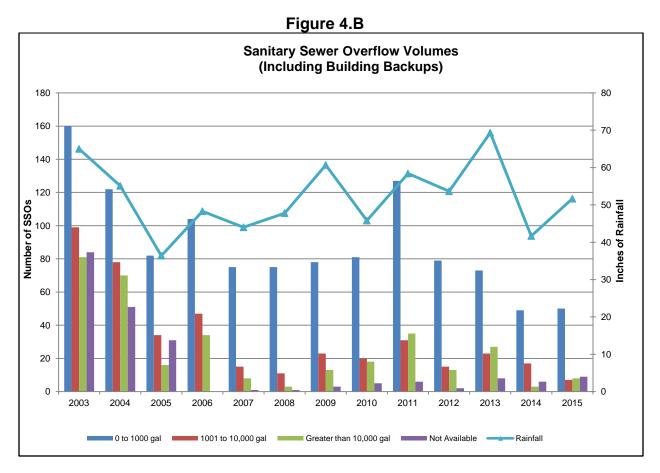
# Sanitary Sewer Overflow Volumes

Figures 4.A and 4.B represent the SSO volumes between 2003 and 2015. 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 99.4 percent, from 95.66 million gallons in 2003 to 0.56 million gallons in 2015. 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. The total volumes recorded in 2015 were only slightly higher than those of 2014. The similarity in total volumes between both years is especially impressive given that the total amount of rainfall for 2015 was approximately ten inches over that of the previous year. In addition, when comparing 2015 to other years that received comparable precipitation amounts, such as 2004, 2006, and 2012, 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 68.7 percent since 2003. In 2015, 50 of the 74 SSOs and building backups were 1,000 gallons or less, and out of those, 78 percent (39) were less than 500 gallons. Most of these events were related to blockages, construction failures, or grinder pump failures.

### 1001 to 10,000 gallons

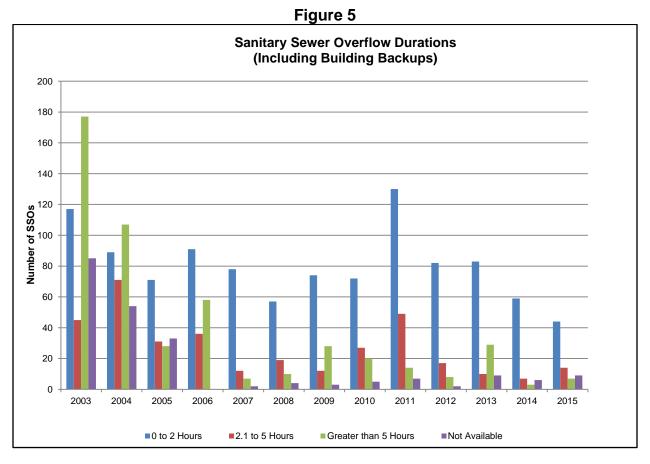
There were only seven SSOs and building backups in this category for 2015, which is a decrease of almost 93 percent compared to 2003. The overflows in this category were caused by blockages.

### Greater than 10,000 gallons

These volumes are normally associated with rainfall related events. Eight SSOs and building backups fell into this category in 2015. The SSOs and building backups in this category have decreased by 90 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 nine cases in 2015 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 calculated. KUB has been able to decrease the number of events in this category by 89 percent since 2003.



# Sanitary Sewer Overflow Durations

Figure 5 represents the SSO durations between 2003 and 2015. 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 2015, 44 of the 74 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 2015, the increased response time directed by the SORP is evident. The 2015 Annual MOM Progress Report showed that our average response time for SSOs was 21.3 minutes, which is substantially less than the goal of 45 minutes. Fifty-nine percent of SSOs and building backups in 2015 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

Blockages, construction failures, and broken system events made up the majority of this overflow duration in 2015. There were 14 occurrences from 2015 that fell within this category, which is an approximate 69 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 seven occurrences in 2015, which were due to broken sewer mains, construction failures, and blockages. The number of events in this category has decreased by 96 percent since 2003.

### Not Available (N/A)

This category captures the durations for which responders were not able to document because the overflow had occurred at some point in the past and was not detected until after the overflow had stopped. Under KUB's revised SORP, crews document durations for both overflows and building backups, where sufficient data is available. There were nine cases in 2015 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 89 percent since 2003.

# Appendix A

**Unpermitted Discharges Subject to Stipulated Penalties** 

# 2015 Unpermitted Discharge Data and Analysis

Appendix A lists any SSO in 2015 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	3
501 gal <vol <1000="" gal<="" td=""><td>3</td></vol>	3
Vol < 500 gal.	6
Total	12

		_
FIG	ure	7
1 19	ui c	

There were 21 unpermitted discharges in 2015. Twelve of the 21 total unpermitted discharges in 2015 fell within one of the categories listed above. Approximately 43 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 2015 was 21.3 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 2015 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 99 percent of its gravity collection system, over 98 percent of its manholes, and over 98 percent of private sewer laterals. In addition, all sewer force mains and pump stations have been assessed every two years. Twenty-five 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										
Unpermitte	ed Discharg	ges in 2015								
	6	Overflow volume of 500 gallons or	less		1-day rainfall greater than 3"					
	3	Overflow volume of 501 - 1000 gal	llons		3-day rainfall greater than 4"					
		Vandalism		3	Intensity > 0.84 in/hr					
		Electrical or mechanical failure								
Reporting				Unrecovered	Receiving		Rainfa	II Totals	Peak Rainfall	Force Majeure
Period	Date	Location	Event	Volume (Gal.)	Stream	Cause	1-Day*	3-Day**	Intensity (in/hr)	event
				Unknown		Heavy Rainfall	0.01	,		event
1st 2015	1/14/2015	925 North Wooddale Road	Unpermitted Discharge	UTIKHUWI	Shining Creek	Construction Failure - Blockage by	0.01	1.14	0.42	
1st 2015	1/21/2015	601 South Central Street	Unpermitted Discharge	550	First Creek	Construction Pailure - Biockage by Construction Debris	0	0	0	
1st 2015	2/8/2015	2021 Cumberland Avenue	Unpermitted Discharge	100	Third Creek	Blockage - Grease	0	0	0	
1st 2015	2/10/2015	3547 Talahi Drive	Unpermitted Discharge	100	Tennessee River	Blockage - Grease and Debris	0	0.09	0.03	
1st 2015	2/10/2015	4424 Mascarene Road	Unpermitted Discharge	5,900	Third Creek	Blockage - Grease	0	0.09	0.03	
1st 2015	3/11/2015	925 North Wooddale Road	Unpermitted Discharge	Unknown	Shining Creek	Heavy Rainfall	0.67	0.88	0.18	
2nd 2015	4/20/2015	926 North Wooddale Road	Unpermitted Discharge	Unknown	Shining Creek	Heavy Rainfall	0.11	0.54	0.38	
2nd 2015	4/24/2015	4205 Tomlinson Street	Unpermitted Discharge	Unknown	Goose Creek	Broken System - Broken Gravity Main	0	0	0	
2nd 2015	4/25/2015	2120 Cumberland Avenue	Unpermitted Discharge	950	Third Creek	Construction Failure - Bypass Pumping	0.44	0.44	0.38	
2nd 2015	5/7/2015	2700 Waverly Street	Unpermitted Discharge	300	Third Creek	Construction Failure - Bypass Pumping	0	0	0	
3rd 2015	8/21/2015	1219 Greens Crossing Road	Unpermitted Discharge	300	Fourth Creek	Broken System	0	0.92	0.62	
3rd 2015	8/22/2015	1915 Cumberland Avenue	Unpermitted Discharge	550	Third Creek	Construction Failure- Blockage by Construction Debris	0	0.29	0.62	
3rd 2015	9/12/2015	4917 Ball Road	Unpermitted Discharge	27,500	Grassy Creek	Broken System	0.09	0.28	0.34	
4th 2015	10/23/2015	400 West Jackson Avenue	Unpermitted Discharge	100	Second Creek	Blockage - Debris	0	0	0	
4th 2015	11/22/2015	2906 South Haven Road	Unpermitted Discharge	450	Baker Creek	Blockage - Grease	0	0	0	
4th 2015	12/2/2015	6803 Stockton Drive	Unpermitted Discharge	Unknown	Fourth Creek	Heavy Rainfall	0.81	3.67	0.35	
4th 2015	12/7/2015	4521 North Wahli Drive	Unpermitted Discharge	6,000	Lynnhurst Creek	Blockage - Grease	0	0	0	
4th 2015	12/9/2015	310 Broome Road	Unpermitted Discharge	13,000	Ten Mile Creek	Broken System - Broken Gravity Main	0	0	0	
4th 2015	12/23/2015	4201 Strawberry Plains Pike	Unpermitted Discharge	347,000	Holston River	Broken System - Air Release Valve Failure	0.13	0.29	1.00	
4th 2015	12/24/2015	2008 Riverside Drive	Unpermitted Discharge	29,000	Williams Creek	Heavy Rainfall	0.93	1.18	1.00	
4th 2015	12/28/2015	6803 Stockton Drive	Unpermitted Discharge	Unknown	Fourth Creek	Heavy Rainfall	0.72	0.74	1.00	
*1-Day Rainfall	Total is the rain t	that occurred on the day of the SSO								
		I amount of rain that occurred on the		lays prior						

								-			
Date	Street # Street	Plant	Watershe	ed Basin Overflow Location	Private Property Location Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
1/24/2002 1/25/2002	2015 NEYLAND DRIVE	KUW	Third Cree Third Cree		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.	1,000,000	20.5 2.5	√ 	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
3/17/2002	2015 NEYLAND DRIVE 1500 LYONS BEND ROAD		Fourth Cree		WWTP - Electrical Failure. Electricity was restored.	1,916,000	2.5	✓ ✓	N/A	Repair Completed	N/A N/A
3/17/2002	2004 NEYLAND DRIVE	KUW	Third Cree	***	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	√ √	Future Construction Planned	N/A	N/A
3/17/2002 3/18/2002	2015 NEYLAND DRIVE 1500 LYONS BEND ROAD	KUW FC	Third Cree Fourth Cre		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	450,000 134,000	0.13	✓ ✓	Future Construction Planned Construction Underway	N/A N/A	N/A N/A
3/18/2002	2015 NEYLAND DRIVE	KUW	Third Cree		Heavy rainfall in the area resulted in high flows in the collection system.	200,000	5.5	✓ /	Future Construction Planned	N/A Densis Completed	N/A
4/19/2002 6/6/2002	1500 LYONS BEND ROAD 2004 NEYLAND DRIVE	FC KUW	Fourth Cree Third Cree		WWTP - Mechanical Failure. Plant was reinstated. WWTP - Electrical Failure. Electricity was restored.	569,000 38,000	0.25	✓ ✓	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
7/30/2002	2004 NEYLAND DRIVE	KUW	Third Cree	ek 35B MH 1	WWTP - Electrical Failure. Electricity was restored.	10,000	0.07	√	Future Construction Planned	N/A	N/A
8/29/2002 9/21/2002	4710 MURPHY ROAD 2004 NEYLAND DRIVE	KUW	First Cree Third Cree		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	10	2 2.18	✓	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
9/21/2002	2015 NEYLAND DRIVE	KUW	Third Cree	ek 35B Secondary Junction Box	Heavy rainfall in the area resulted in high flows in the collection system.	3000	0.25	✓	Future Construction Planned	N/A	N/A
9/22/2002 9/22/2002	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE	KUW	Third Cree Third Cree		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.	1,300,000 5,700,000	4,5	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
10/3/2002	600 N GALLAHER VIEW ROAD	FC	Fourth Cre	ek 32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	1200	2	<ul> <li>✓</li> </ul>	Construction Completed	N/A	N/A
12/5/2002 2/14/2003	600 N GALLAHER VIEW ROAD 2004 NEYLAND DRIVE	FC 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.	18,000	12	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
2/14/2003	2015 NEYLAND DRIVE	KUW	Third Cree	ek 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
2/15/2003 2/15/2003	1500 LYONS BEND ROAD 2004 NEYLAND DRIVE	FC KUW	Fourth Cree Third Cree		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
2/16/2003	961 E FORD VALLEY ROAD	KUW	Knob Cree	ek 41 Wetwell	Heavy rainfall in the area resulted in high flows in the collection system.	180	2	✓	Construction Completed	N/A	N/A
2/16/2003 2/16/2003	1500 LYONS BEND ROAD 2004 NEYLAND DRIVE	FC KUW	Fourth Cre Third Cree		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	6	✓ ✓	Construction Underway Future Construction Planned	N/A N/A	N/A N/A
2/17/2003	2004 NEYLAND DRIVE	KUW	Third Cree	ek 35B MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	1,480,000	7	√	Future Construction Planned	N/A	N/A
2/19/2003 2/21/2003	4606 UPCHURCH ROAD 2004 NEYLAND DRIVE	KUW			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		Construction Completed Future Construction Planned	N/A N/A	N/A N/A
2/22/2003	2004 NEYLAND DRIVE	KUW	Third Cree	ek 35B MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	10,870,000	22.5	~	Future Construction Planned	N/A	N/A
2/27/2003 3/8/2003	600 N GALLAHER VIEW ROAD 4411 CYPRESS LANE	FC KUW	Fourth Cre South Knox		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned.	1890	21	✓	Construction Completed N/A	N/A BA	N/A 12 Months
3/8/2003	961 E FORD VALLEY ROAD	KUW	Knob Cree		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	600	0.5	1	Construction Completed	N/A	N/A
3/20/2003	961 E FORD VALLEY ROAD	KUW			Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	600	0.34	✓ ✓	Construction Completed	N/A	N/A 12 Months
3/28/2003 3/30/2003	4713 OLD BROADWAY 961 E FORD VALLEY ROAD	KUW	First Cree Knob Cree		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	Unknown 9000	Unknown 3	✓ ✓	Construction Completed Construction Completed	BA N/A	12 Months N/A
3/31/2003	961 E FORD VALLEY ROAD	KUW	Knob Cree	ek 41 Wetwell	Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	1500	0.5	√ ./	Construction Completed	N/A	N/A
4/10/2003 5/5/2003	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE	KUW	Third Cree Third Cree		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1,740,000	3	× ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
5/6/2003	1500 LYONS BEND ROAD	FC	Fourth Cre		Heavy rainfall in the area resulted in high flows in the collection system.	26,710	8.5	1	Construction Underway	N/A	N/A
5/6/2003 5/6/2003	600 N GALLAHER VIEW ROAD 2004 NEYLAND DRIVE	FC KUW	Fourth Cree Third Cree		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 15	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
5/7/2003	961 E FORD VALLEY ROAD	KUW	Knob Cree	ek 41 Wetwell	Heavy rainfall in the area resulted in high flows in the collection system.	2100	2	√ 	Construction Completed	N/A	N/A
5/7/2003 5/15/2003	2004 NEYLAND DRIVE 1500 LYONS BEND ROAD	KUW FC	Third Cree Fourth Cre		Heavy rainfall in the area resulted in high flows in the collection system. WWTP - Electrical Failure. Electricity was restored.	19,400,000	15.5	✓ ✓	Future Construction Planned Construction Underway	N/A N/A	N/A N/A
7/2/2003	600 N GALLAHER VIEW ROAD	FC	Fourth Cre	22A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	14,440	24	~	Construction Completed	N/A	N/A
7/9/2003 9/9/2003	1500 LYONS BEND ROAD 5246 BENT RIVER BOULEVARD	FC FC	Fourth Cre Fourth Cre		WWTP - Electrical Failure. Electricity was restored. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	1,370,000	3.14	✓	Construction Underway N/A	N/A Repair Completed	N/A N/A
9/13/2003	5241 BENT RIVER BOULEVARD		Fourth Cre		Grinder Pump Failure. Pump was repaired & the area was cleaned.	Unknown	Unknown		N/A	Repair Completed	N/A
11/6/2003 11/6/2003	600 N GALLAHER VIEW ROAD 2004 NEYLAND DRIVE	FC KUW	Fourth Cre Third Cree		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 50,000	4 0.72	√ √	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
11/19/2003	600 N GALLAHER VIEW ROAD	FC	Fourth Cre		Heavy rainfall in the area resulted in high flows in the collection system.	1920	8	· ✓	Construction Completed	N/A	N/A N/A
12/11/2003	1500 LYONS BEND ROAD	FC	Fourth Cre		WWTP - Electrical Failure. Electricity was restored.	48,650	0.33	<ul> <li>Image: A start of the start of</li></ul>	N/A	Repair Completed	N/A
12/30/2003 1/28/2004	961 E FORD VALLEY ROAD 4713 OLD BROADWAY	KUW	Knob Cree First Cree		Construction Failure - Sewer Main Flushing. The area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	<u> </u>	0.17	✓ ✓	Construction Completed Construction Completed	N/A BA	N/A 12 Months
2/6/2004	961 E FORD VALLEY ROAD	KUW	Knob Cree		Heavy rainfall in the area resulted in high flows in the collection system.	54,000	9	<ul> <li>Image: A second s</li></ul>	Construction Completed	N/A	N/A
2/6/2004 2/6/2004	600 N GALLAHER VIEW ROAD 4713 OLD BROADWAY	FC KUW	Fourth Cree First Cree		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	6050 13,500	23.5	✓ ✓	Construction Completed Construction Completed	N/A BA	N/A 12 Months
3/6/2004	961 E FORD VALLEY ROAD	KUW	Knob Cree	ek 41 Wetwell	Heavy rainfall in the area resulted in high flows in the collection system.	3000	1	1	Construction Completed	N/A	N/A
3/6/2004 3/6/2004	600 N GALLAHER VIEW ROAD 4713 OLD BROADWAY	FC KUW	Fourth Cree First Cree		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.	1680 3150	3.5 2.5	✓ ✓	Construction Completed Construction Completed	N/A BA	N/A 12 Months
6/17/2004	1500 LYONS BEND ROAD	FC	Fourth Cre	Primary Clarifiers 3, 4, 5 & 6	Heavy rainfall in the area resulted in high flows in the collection system.	2000	0.58		Construction Underway	N/A	N/A
6/23/2004 6/25/2004	4713 OLD BROADWAY 961 E FORD VALLEY ROAD	KUW	First Cree Knob Cree		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 11,520	Unknown 4	✓ ✓	Construction Completed Construction Completed	BA	12 Months N/A
6/27/2004	600 N GALLAHER VIEW ROAD	FC	Fourth Cre		Heavy rainfall in the area resulted in high flows in the collection system.	240	4	~	Construction Completed	N/A	N/A
9/10/2004 9/17/2004	409 N BELLEMEADE AVENUE 600 N GALLAHER VIEW ROAD	KUW			Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	180	1	√ 	Construction Completed	BA/Grease Control N/A	1 Month
9/17/2004	4713 OLD BROADWAY	FC KUW	Fourth Cree First Cree		Heavy rainfall in the area resulted in high flows in the collection system.	31,680 561	22 5	✓ ✓	Construction Completed Construction Completed	BA	12 Months
9/22/2004	1500 LYONS BEND ROAD		Fourth Cre		WWTP - Mechanical Failure. Plant was reinstated.	102,483	0.5	✓	N/A	Repair Completed	N/A
9/24/2004 10/19/2004	409 N BELLEMEADE AVENUE 409 N BELLEMEADE AVENUE	KUW	Third Cree Third Cree		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 BA/Grease Control	1 Month 1 Month
11/24/2004	1500 LYONS BEND ROAD	FC	Fourth Cre	Dek 37 MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	250	0.007	√ 	Construction Underway	N/A	N/A
11/24/2004 11/24/2004	600 N GALLAHER VIEW ROAD 4713 OLD BROADWAY	FC 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.	6480 2040	12 11.3	✓ ✓	Construction Completed Construction Completed	N/A BA	N/A 12 Months
11/24/2004	1216 WATERCRESS DRIVE	KUW	First Cree	9k 7 MH 29-9	Blockage - Grease. The sewer main was flushed & area was cleaned.	3960	8.25		Construction Completed	BA/Grease Control	6 Months
11/30/2004 12/1/2004	5246 BENT RIVER BOULEVARD 600 N GALLAHER VIEW ROAD	FC FC			Grinder Pump Failure. Pump was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	5 20,160	2	√	N/A Construction Completed	Repair Completed N/A	N/A N/A
12/1/2004	4713 OLD BROADWAY	KUW	First Cree	ek 7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	37,400	12	1	Construction Completed	BA	12 Months
12/7/2004 12/7/2004	600 N GALLAHER VIEW ROAD 4713 OLD BROADWAY	FC KUW	Fourth Cree First Cree		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.	390,240 54,720	24 9.5	✓ ✓	Construction Completed Construction Completed	N/A BA	N/A 12 Months
12/9/2004	1500 LYONS BEND ROAD	FC	Fourth Cre	eek 37 Aeration Splitter Box	Heavy rainfall in the area resulted in high flows in the collection system.	29,123	2.67		Construction Underway	N/A	N/A
12/9/2004	1500 LYONS BEND ROAD	FC			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	1.83	✓ ✓	Construction Underway	N/A BA	N/A 1 Month
12/9/2004 12/9/2004	409 N BELLEMEADE AVENUE 600 N GALLAHER VIEW ROAD	KUW FC	Third Cree Fourth Cre	ek 28 MH 3-53 eek 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.	2640 189,000	22 70	<b>↓</b>	Construction Completed Construction Completed	BA N/A	1 Month N/A
12/9/2004	2004 NEYLAND DRIVE	KUW	Third Cree	ek 35B MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	400,000	2.63		Future Construction Planned	N/A	N/A
12/9/2004 2/15/2005	4713 OLD BROADWAY 2015 NEYLAND DRIVE	KUW			Heavy rainfall in the area resulted in high flows in the collection system. WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	1,008,120 5500	62 0.5	✓	Construction Completed Future Construction Planned	BA N/A	12 Months N/A
2/21/2005	600 N GALLAHER VIEW ROAD	FC	Fourth Cre	ek 32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	260000	20	√	Construction Completed	N/A	N/A
2/22/2005 3/10/2005	2015 NEYLAND DRIVE 5241 BENT RIVER BOULEVARD	KUW FC	Third Cree Fourth Cre		WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	200	0.17		Future Construction Planned N/A	N/A Repair Completed	N/A N/A
3/22/2005	2015 NEYLAND DRIVE	KUW	Third Cree	ek 35B Filtrate Tank	Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	200	0.1		Future Construction Planned	N/A	N/A
3/28/2005 4/2/2005	1500 LYONS BEND ROAD 600 N GALLAHER VIEW ROAD		Fourth Cre Fourth Cre	Beek         37         MH 1           Beek         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.	50,410 7,200	2 20	✓ ✓	Construction Underway Construction Completed	N/A N/A	N/A N/A
4/2/2005	2015 NEYLAND DRIVE	KUW	Third Cree	ek 35B Secondary Junction Box	Heavy rainfall in the area resulted in high flows in the collection system.	9,000	1.5		Future Construction Planned	N/A	N/A
4/4/2005 4/13/2005	3741 EAKERS STREET 600 N GALLAHER VIEW ROAD		South Knox Fourth Cre	ville 40 MH 47-1 eek 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.	1,200 247,680	4 43	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/19/2005	4713 OLD BROADWAY	KUW	First Cree	ek 7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	250	2	√ ./	Construction Completed	BA	12 Months
5/20/2005 5/20/2005	600 N GALLAHER VIEW ROAD 2015 NEYLAND DRIVE	FC KUW	Fourth Cre Third Cree		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	5,610 500	2.75 0.17	*	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
5/24/2005	3741 EAKERS STREET	KUW	South Knox	ville 40 MH 47	Heavy rainfall in the area resulted in high flows in the collection system.	60	1	✓ /	Construction Completed	N/A	N/A
7/19/2005 8/23/2005	600 N GALLAHER VIEW ROAD 2015 NEYLAND DRIVE	FC KUW	Fourth Cre Third Cree		Heavy rainfall in the area resulted in high flows in the collection system. WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	1,037	3 0.08	✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
8/23/2005	2304 WOODS CREEK ROAD	LC	Loves Cre	ek 6 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	2		N/A	Repair Completed	N/A
1/17/2006	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW	First Cree First Cree		Heavy rainfall in the area resulted in high flows in the collection system. Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	270	2	✓ ✓	Construction Completed Construction Completed	BA BA	12 Months 12 Months
4/8/2006	600 N GALLAHER VIEW ROAD	FC	Fourth Cre	ek 32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	38148	17	✓	Construction Completed	N/A	N/A
4/8/2006 4/21/2006	4713 OLD BROADWAY 4411 CYPRESS LANE	KUW	First Cree South Knox		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.	20196	12	✓	Construction Completed N/A	BA BA	12 Months 3 Months
4/22/2006	4713 OLD BROADWAY		First Cree		Heavy rainfall in the area resulted in high flows in the collection system.	89670	12	✓	Construction Completed	BA	12 Months
		· · ·									

					Private Property				Event occurred two or more		Short-Term Controls	
Date Street # 4/24/2006	Street 000 N GALLAHER VIEW ROAD	Plant FC	Watershed Fourth Creek	Basin         Overflow Location           32A         MH 77	Location	Cause of SSO/KUB Response Heavy rainfall in the area resulted in high flows in the collection system.	Volume (Gallons) 14890	Duration (Hours)	times within 12 months	Long-Term Capital Project Construction Completed	Blockage Abatement (BA) N/A	BA Schedule N/A
	061 E FORD VALLEY ROAD	KUW	Knob Creek	41 Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	9000	5		Construction Completed	N/A	N/A
	741 EAKERS STREET	KUW FC	South Knoxville Fourth Creek	40 MHs 47 & 47-103 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.	10560 489000	8 2.88		Construction Completed	N/A N/A	N/A N/A
9/23/2006 20	000 LYONS BEND ROAD 015 NEYLAND DRIVE	KUW	Third Creek	35B Secondary Junction Box		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 N/A
	000 UPCHURCH ROAD 16 WATERCRESS DRIVE	KUW	First Creek First Creek	7 MH 45 7 MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	360 1440	2		Construction Completed Construction Completed	N/A BA	N/A 6 Months
	000 N GALLAHER VIEW ROAD	FC	Fourth Creek	7 MH 29-9 32A MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	3310000	5	✓	Construction Completed	N/A	N/A
	13 OLD BROADWAY 10 S NORTHSHORE DRIVE	KUW FC	First Creek Fourth Creek	7 MH 2 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.	197712 304380	6	√	Construction Completed	BA N/A	12 Months N/A
	004 NEYLAND DRIVE	KUW	Third Creek	35A MH 1		WWTP - Mechanical Failure. Plant was reinstated.	160000	0.33		Construction Completed Future Construction Planned	N/A N/A	N/A N/A
	15 NEYLAND DRIVE	KUW	Third Creek	35B Ruptured Force Main 35B MH 1		Broken System - Broken Force Main. Force main was repaired & the area cleaned. WWTP - Electrical Failure. Electricity was restored.	10,600	1	✓	Future Construction Planned Future Construction Planned	Repair Completed Repair Completed	N/A N/A
	004 INETLAND DRIVE	FC	Third Creek Fourth Creek	37 Leaking Valve		Broken System - Sludge Line Valve Failure. The valve was replaced & the area cleaned.	1,170,000 25	0.58	•	N/A	Repair Completed	N/A N/A
	061 E FORD VALLEY ROAD 016 N BEAMAN STREET	KUW LC	Knob Creek Loves Creek	41 Broken Force Main 20 MH 61-8		Construction Failure - Dig-In. Force main was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	4,500	1.5		Construction Completed Construction Completed	Repair Completed BA	N/A 6 Months
2/18/2008 20	15 NEYLAND DRIVE	KUW	Third Creek	35B Primary Sludge Pipe		Broken System - Sludge Line Leak. The leak was repaired & the area cleaned.	2,128	0.083		Future Construction Planned	Repair Completed	N/A
	19 BENT RIVER BOULEVARD	FC KUW	Fourth Creek First Creek	43 Grinder Pump & BBU 2 Grinder Pump	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 Repair Completed	N/A N/A
5/28/2008 41	44 OAKLAND DRIVE	KUW	First Creek	2 MHs 39-4,39-44,39-45 & Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	45,655	2	✓	Construction Completed	N/A	N/A
	15 NEYLAND DRIVE 246 BENT RIVER BOULEVARD	KUW FC	Third Creek Fourth Creek	35B MH 4-51 43 Grinder Pump		WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	50 25	0.02		Future Construction Planned N/A	Repair Completed Repair Completed	N/A N/A
7/4/2008 52	241 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
	09 N BELLEMEADE AVENUE 246 BENT RIVER BOULEVARD	KUW FC	Third Creek Fourth Creek	28 MH 3-53 43 Grinder Pump		Heavy rainfall in the area resulted in high flows in the collection system. Grinder Pump Failure. Pump was repaired & the area was cleaned.	300 29	2.33	· ·	Construction Completed N/A	Repair Completed Repair Completed	N/A N/A
	15 NEYLAND DRIVE	KUW	Third Creek	35B Broken Gravity Main		Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	50	0.083		Future Construction Planned Construction Completed	Repair Completed BA	N/A 6 Months
	116 WATERCRESS DRIVE	KUW	First Creek First Creek	7 MH 29-9 8 MHs 42,43,44 & 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.	65 4,830	1 9.5	✓	Construction Completed	N/A	N/A
	61 E FORD VALLEY ROAD 44 OAKLAND DRIVE	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.	60,000	10 11	4	Construction Completed Construction Completed	N/A N/A	N/A N/A
	01 CEDAR LANE	KUW	First Creek Second Creek	2 MHs 39-4,39-44,39-45 & 2 Lateral Cleanouts 5 MH 35-4		Blockage - Roots. The sewer main was flushed & area was cleaned.	22,475 37,450	26		N/A	BA	3 Months
	00 N GALLAHER VIEW ROAD 60 WESTLAND DRIVE	FC FC	Fourth Creek Fourth Creek	32A MH 77 42 Leaking ARV		Heavy rainfall in the area resulted in high flows in the collection system. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	105,000 225	26	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
	32 LYONS VIEW PIKE	KUW	Third Creek	34 Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	510	6.5	•	N/A	Repair Completed	N/A
	10 MURPHY ROAD 60 TALAHI DRIVE	KUW	First Creek Third Creek	2 Grinder Pump 38 Lateral Cleanout		Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	100 140	2.5		N/A N/A	Repair Completed BA	N/A 12 Months
	000 ROBERTS ROAD	EB	Eastbridge	113 Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	1		N/A N/A	Repair Completed	N/A
	004 WOODS CREEK ROAD 600 WESTLAND DRIVE	LC FC	Loves Creek Fourth Creek	105         Grinder Pump           42         Air Release Valve		Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	50	1		N/A Construction Completed	Repair Completed N/A	N/A N/A
8/6/2009 37	41 EAKERS STREET	KUW	South Knoxville	40 MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	224	0.5	✓ ✓	Construction Completed	N/A	N/A
	008 VAN STREET 161 E FORD VALLEY ROAD	KUW	Second Creek Knob Creek	23 MHs 28-14, 28-1, & 28 and Subsurface 41 Wetwell		Blockage - Grease. The sewer main was flushed & area was cleaned. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	Unknown 100	Unknown 0.17		Construction Completed Construction Completed	BA/Grease Control N/A	N/A N/A
9/23/2009	61 E FORD VALLEY ROAD	KUW	Knob Creek	41 Wetwell		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	14,400	8	~	Construction Completed	N/A	N/A
	61 E FORD VALLEY ROAD 741 EAKERS STREET	KUW	Knob Creek South Knoxville	41 Wetwell 40 MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	6,000	2 3	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/26/2009 15	00 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1		WWTP - Electrical Failure. Electricity was restored.	40,000	0.06	<ul> <li>✓</li> </ul>	Construction Underway	N/A	N/A
	004 NEYLAND DRIVE 061 E FORD VALLEY ROAD	KUW	Second Creek Knob Creek	35A MH 1 41 Wetwell		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	250,000	0.26	✓ ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
12/9/2009 15	00 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1		WWTP - Electrical Failure. Electricity was restored.	480,000	0.45	✓	N/A	Repair Completed	N/A
	004 NEYLAND DRIVE 227 MCNUTT ROAD	KUW	Second Creek Knob Creek	35a MH 1 41 MH 96		WWTP - Electrical Failure. Electricity was restored. Blockage - Unknown. The sewer main was flushed & area was cleaned.	3,300,000	0.87		Future Construction Planned Construction Completed	Repair Completed BA	N/A 6 Months
		KUW	Second Creek	10 Lateral Cleanout		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	4,855	48 Hours Intermittently		N/A Construction Completed	Repair Completed BA/Grease Control	N/A
	110 BORIGHT DRIVE	KUW	First Creek Second Creek	8 MHs 42 & 43 5 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	1.5	•	Construction Completed N/A	BA/Grease Control BA/Grease Control	6 Months 6 Months
	14 BERNHURST DRIVE	KUW	First Creek	4 MHs 18-58, 18-54 & 18-53 37 MH 1 & MLSS Wetwell		Blockage - Unknown. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	5550 74000	10 1.62		N/A Construction Underway	BA N/A	6 Months N/A
	60 SANDIS LANE	FC LC	Fourth Creek Loves Creek	37         MH 1 & MLSS Wetwell           20         Influent Structure		WWTP - Electrical Failure. Electricity was restored.	190000	0.75		N/A	N/A N/A	N/A N/A
	41 EAKERS STREET 05 MIDDLEBROOK PIKE	KUW	South Knoxville	40 MH 47 13 Diversion Structure		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 21600	Unknown	✓	Construction Completed	N/A N/A	N/A N/A
	00 N GALLAHER VIEW ROAD	KUW FC	Third Creek Fourth Creek	32A MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	95580	9		Future Construction Planned Construction Completed	N/A N/A	N/A N/A
	13 OLD BROADWAY 500 UPCHURCH ROAD	KUW	First Creek First Creek	7 MH 2 7 MH 45		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	3400	12		Construction Completed Construction Completed	BA N/A	12 Months N/A
2/12/2010 85	60 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
	10 S NORTHSHORE DRIVE 18 BENT RIVER BOULEVARD		Fourth Creek Fourth Creek			Heavy rainfall in the area resulted in high flows in the collection system. Grinder Pump Failure. Pump was repaired & the area was cleaned.	Unknown 22	Unknown 3		Construction Completed N/A	N/A Repair Completed	N/A N/A
3/19/2010 65	49 CREEKHEAD DRIVE		Fourth Creek			Blockage - Debris. The sewer main was flushed & area was cleaned.	2,030	0.5	✓	N/A	BA	12 Months
4/3/2010 52	004 NEYLAND DRIVE 236 BENT RIVER BOULEVARD		Second Creek Fourth Creek	43 Grinder Pump		WWTP - Electrical Failure. Electricity was restored. Grinder Pump Failure. Pump was repaired & the area was cleaned.	50000 10	0.05		Future Construction Planned N/A	N/A Repair Completed	N/A N/A
	246 BENT RIVER BOULEVARD 241 EAKERS STREET	FC	Fourth Creek South Knoxville	43 Grinder Pump 40 MH 47		Grinder Pump Failure. Pump was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	5 450	3 2.5	✓ ✓	N/A Construction Completed	Repair Completed N/A	N/A N/A
5/6/2010 52	246 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	3	√	N/A	Repair Completed	N/A
	246 BENT RIVER BOULEVARD 263 BENT RIVER BOULEVARD	FC		43         Grinder Pump           43         Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	11 200	4	√	N/A N/A	Repair Completed Repair Completed	N/A N/A
	41 MARYVILLE PIKE 15 S CENTRAL STREET		Knob Creek First Creek	45 Grinder Pump 30 MH 3-7		Grinder Pump Failure. Pump was repaired & the area was cleaned.	20 250	4 0.5		N/A Construction Completed	Repair Completed N/A	N/A N/A
9/12/2010 59	15 NEUBERT SPRINGS ROAD	KUW	Knob Creek	41 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.	294000	3.5	✓ ✓	Construction Completed	N/A	N/A
	110 BORIGHT DRIVE		First Creek 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.	12750 150	<u> </u>	✓	Construction Completed Future Construction Planned	BA N/A	6 Months N/A
11/30/2010 19	008 JEFFERSON AVENUE 246 BENT RIVER BOULEVARD	KUW FC	First Creek	24 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	180	3	✓ ✓	Construction Completed N/A	N/A	N/A
12/1/2010 37	41 EAKERS STREET	KUW	Fourth Creek South Knoxville	40 MH 47		Grinder Pump Failure. Pump was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	1500	3	•	Construction Completed	Repair Completed N/A	N/A N/A
	000 LYONS BEND ROAD 216 WATERCRESS DRIVE		Fourth Creek 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.	1840000 1000	<u>11.5</u> 3		Construction Underway Construction Completed	N/A BA	N/A 6 Months
1/1/2011 15	00 LYONS BEND ROAD	FC KUW	Fourth Creek	37 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.	380,000	2.82 4.4	✓ ✓	Construction Underway	N/A N/A	N/A N/A
	15 NEUBERT SPRINGS ROAD 105 GREEN VALLEY DRIVE	LC	Knob Creek Loves Creek	41         Unnamed MH at Facility           26         Air Release Valve		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	224,000 20	0.5	· · · · · · · · · · · · · · · · · · ·	Construction Completed Construction Completed	N/A	N/A
	235 BENT RIVER BOULEVARD 114 ROBERTS ROAD	FC EB	Fourth Creek Eastbridge	43 Broken Gravity Main 113 Abandoned Air Release Valve		Broken System - Broken Force Main. Force main was repaired & the area cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	10 375	1 2		N/A N/A	Repair Completed Repair Completed	N/A N/A
2/6/2011 19	08 EDGEWOOD AVENUE	KUW	First Creek	16 Water Meter Well		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	180	1		N/A	Repair Completed	N/A
	004 BEN HUR AVENUE 000 CEDAR LANE	KUW	Williams Creek First Creek	25 Abandoned Lateral Cleanout 4 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.	500 500	<u>1.5</u> 1		N/A Future Construction Planned	BA N/A	6 Months N/A
2/28/2011 11	27 E MOODY AVENUE	KUW FC	South Knoxville	40 MH 40-3 37 MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	600	2	✓	Construction Completed	N/A N/A	N/A
2/28/2011 48	000 LYONS BEND ROAD 000 MALONEYVILLE ROAD	EB		109 Bar Screen		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 3,750	5.75 1.25		Construction Underway Construction Completed	BA	N/A 3 months
2/28/2011 20	004 NEYLAND DRIVE 008 RIVERSIDE DRIVE		Second Creek Williams Creek	35A 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.	360,000 720,000	0.5	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
2/28/2011 8	15 S CENTRAL STREET	KUW	First Creek	30 MH 3-7		Heavy rainfall in the area resulted in high flows in the collection system.	100	8	•	Construction Completed	N/A	N/A
	02 WASHINGTON AVENUE 741 EAKERS STREET		First Creek South Knoxville			Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	190,000 67,500	4 3	√	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/1/2011 6	00 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	✓	Construction Completed	N/A N/A	N/A
3/2/2011	111 W BAXTER AVENUE 781 BAGWELL ROAD	LC	Second Creek Loves Creek	63 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.	800,000 576,000	4 12		Construction Completed N/A	Repair Completed	N/A N/A
	11 E GOVERNOR JOHN SEVIER HIGHW. 508 GREEN VALLEY DRIVE		Riverdale Loves Creek			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 46	00 UPCHURCH ROAD	KUW	First Creek	7 MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	100	2		Construction Completed	N/A N/A	N/A N/A
3/3/2011 12	05 CENTRAL AVENUE PIKE 216 WATERCRESS DRIVE	KUW	1 1101 010010	7 MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓ ✓	Construction Completed Construction Completed	N/A	N/A
	40 CREEKHEAD DRIVE 105 GREEN VALLEY DRIVE		Fourth Creek Loves Creek			Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	12,200	1	✓ ✓	N/A Construction Completed	BA N/A	12 Months N/A
0.0.2011 0-			20100 01001			Sienen eystenn 7 m release varie i andre. The varie was replaced a the area dicated.	100		н	Contraction Completed	1903	

Date Str	reet # Street	Plant Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
3/9/2011	1500 LYONS BEND ROAD	FC Fourth Cree	< 37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	160,000	2.38	<ul> <li>✓</li> </ul>	Construction Underway	N/A	N/A
3/10/2011 3/10/2011	600 N GALLAHER VIEW ROAD 2377 NEYLAND DRIVE	FC Fourth Creek		MH 77 MH 3		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	468,000 Unknown	39 Unknown	✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
3/17/2011	6410 S NORTHSHORE DRIVE	KUW Fourth Cree	< 37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
3/22/2011 3/24/2011	4713 OLD BROADWAY 409 N BELLEMEADE AVENUE	KUW First Creek KUW Third Creek		MHs 2 & 63 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.	Unknown 300	Unknown 1	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/4/2011	2641 MARYVILLE PIKE	KUW Knob Creek	45	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
4/5/2011 4/7/2011	4228 CROSBY DRIVE 3526 BUFFAT MILL ROAD	KUW Third Creek KUW First Creek		MH 27-3 MH 65-19 and BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	75 300	4		N/A N/A	BA	6 Months 12 Months
4/16/2011	3410 BORIGHT DRIVE	KUW First Creek	8	MHs 43 & 44		Heavy rainfall in the area resulted in high flows in the collection system.	2,250	4	✓	Construction Completed	N/A	N/A
4/16/2011 4/16/2011	4100 CENTRAL AVENUE PIKE 3741 EAKERS STREET	KUW Second Cree KUW South Knoxvil		MH 17-9 MHs 47 & 47-103		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	800	4	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/16/2011	2544 FAIR DRIVE	KUW First Creek	4	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	100	1		Future Construction Planned	N/A	N/A
4/16/2011 4/16/2011	1500 LYONS BEND ROAD 600 N GALLAHER VIEW ROAD	FC Fourth Creel		MH 1 MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	350,000 264,000	2.82	✓ ✓	Construction Underway Construction Completed	N/A N/A	N/A N/A
4/16/2011	2004 NEYLAND DRIVE	KUW Second Cree		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.	20,000	0.18	~	Future Construction Planned	N/A	N/A
4/16/2011 4/16/2011	4713 OLD BROADWAY 2004 RIVERSIDE DRIVE	KUW First Creek KUW Williams Cree		MHs 2 & 63 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.	24,500	3	1	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
4/16/2011 4/16/2011	6410 S NORTHSHORE DRIVE	FC Fourth Cree		MH 1-1 MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	5	× ✓	Construction Completed	N/A N/A	N/A N/A
4/21/2011	4505 MIDDLEBROOK PIKE	KUW Third Creek	21	MHs 16-48 & 2 Unnamed Manholes		Heavy rainfall in the area resulted in high flows in the collection system.	72,000	6		Future Construction Planned	N/A	N/A
4/28/2011 4/28/2011	3741 EAKERS STREET 1500 LYONS BEND ROAD	FC Fourth Cree		MHs 47 & 47-103 MH 1		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	100 680,000	1 5.82	√ √	Construction Completed Construction Underway	N/A N/A	N/A N/A
4/28/2011	600 N GALLAHER VIEW ROAD	FC Fourth Creel	< 32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	36,000	3	✓	Construction Completed	N/A	N/A
4/28/2011 4/29/2011	6410 S NORTHSHORE DRIVE 6928 WESTLAND DRIVE	FC Fourth Creel		MH 8 Broken Gravity Main		Heavy rainfall in the area resulted in high flows in the collection system. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	8,700 57,000	1	✓	Construction Completed N/A	N/A Repair Completed	N/A N/A
5/11/2011	5356 BENT RIVER BOULEVARD	FC Fourth Cree		Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
5/25/2011	1917 CHEROKEE BOULEVARD	KUW Third Creek		MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown 1		Future Construction Planned	N/A	N/A
6/11/2011 6/17/2011	4304 ROBERTS ROAD 961 E FORD VALLEY ROAD	EB Eastbridge KUW Knob Creek		Grinder Pump Wetwell		Grinder Pump Failure. Pump was repaired & the area was cleaned. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	6 200	0.16	•	N/A Construction Completed	Repair Completed N/A	N/A N/A
6/24/2011	3621 BORIGHT DRIVE	KUW First Creek	8	MH 45		Heavy rainfall in the area resulted in high flows in the collection system.	400	3	√ 	Construction Completed	N/A	N/A
6/24/2011 7/7/2011	1216 WATERCRESS DRIVE 2004 RIVERSIDE DRIVE	KUW First Creek KUW Williams Cree		MH 29-9 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.	60	1	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
7/11/2011	1313 ADAIR DRIVE	KUW First Creek	7	MH 28-1		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Completed	N/A	N/A
7/20/2011	1912 CUMBERLAND AVENUE 5241 BENT RIVER BOULEVARD	KUW Third Creek		Lateral Cleanout		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	150	4		N/A	Repair Completed	N/A
7/23/2011 8/3/2011	5241 BENT RIVER BOULEVARD 5910 MEADOW OAKS LANE	FC Fourth Creek		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.	1,000	1		N/A N/A	Repair Completed Repair Completed	N/A N/A
8/11/2011	516 N BEAMAN STREET	LC Loves Creek	c 20	MH 61-8		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.25	√	Construction Completed	BA	6 Months
8/24/2011 9/5/2011	5247 BENT RIVER BOULEVARD 1308 ADAIR DRIVE	FC Fourth Creek		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.	500	1 5		N/A Construction Completed	Repair Completed N/A	N/A N/A
9/5/2011	1903 JEFFERSON AVENUE	KUW First Creek	24	MH 25-18 & Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	2,700	5	✓	Construction Completed	N/A	N/A
9/5/2011 9/6/2011	1500 LYONS BEND ROAD 6410 S NORTHSHORE DRIVE	FC Fourth Creel		MH 1 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.	1,240,000	17.35	✓ ✓	Construction Underway Construction Completed	N/A N/A	N/A N/A
9/7/2011	2111 MOHAWK AVENUE	KUW Williams Cree		MH 4-2		Blockage - Grease. The sewer main was flushed & area was cleaned.	5,400	12		N/A	BA/Grease Control	12 Months
9/9/2011	5246 BENT RIVER BOULEVARD	FC Fourth Cree		Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	8	2	✓ ✓	N/A Construction Consolated	Repair Completed	N/A
9/9/2011 10/1/2011	1216 WATERCRESS DRIVE 4304 ROBERTS ROAD	EB Eastbridge		MH 29-9 Grinder Pump		Heavy rainfall in the area resulted in high flows in the collection system. Grinder Pump Failure. Pump was repaired & the area was cleaned.	<u>50</u> 6	0.5	✓ ✓	Construction Completed N/A	N/A Repair Completed	N/A N/A
10/3/2011	1915 LYONS BEND ROAD	FC Fourth Creel	< 43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	0.5		N/A	Repair Completed	N/A
10/17/2011 11/2/2011	4304 ROBERTS ROAD 409 N WINSTON ROAD	EB Eastbridge FC Fourth Cree		Grinder Pump MH17-1		Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	0.25	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
11/16/2011	1908 JEFFERSON AVENUE	KUW First Creek	24	Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	√	Construction Completed	N/A	N/A
11/16/2011 11/28/2011	1216 WATERCRESS DRIVE 1500 LYONS BEND ROAD	KUW First Creek FC Fourth Creek		MH 29-9 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.	200 398,650	1 6.42	✓ ✓	Construction Completed Construction Underway	N/A N/A	N/A N/A
11/28/2011	1216 WATERCRESS DRIVE	KUW First Creek		MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	150	2	1	Construction Completed	N/A	N/A
12/4/2011 12/10/2011	520 CHEROKEE BOULEVARD 5209 MURPHY ROAD	KUW Third Creek KUW First Creek		Broken Gravity Main Grinder Pump & BBU	BBU	Blockage - Roots and Debris. The sewer main was flushed & area was cleaned. Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	3,500 30	1 2		N/A N/A	BA Repair Completed	12 Months N/A
12/24/2011	5347 BENT RIVER BOULEVARD	FC Fourth Cree		Grinder Pump	880	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A N/A
1/1/2012	5355 BENT RIVER BOULEVARD	FC Fourth Cree		Grinder Pump		Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	15	2	~	N/A Construction Consulated	Repair Completed	N/A N/A
1/3/2012 1/15/2012	4534 OLD KINGSTON PIKE 8560 WESTLAND DRIVE	FC Fourth Creek		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	0.1	v	Construction Completed N/A	Repair Completed Repair Completed	N/A
1/23/2012	1908 JEFFERSON AVENUE	KUW First Creek	= -	Lateral Cleanouts at 1907, 1908, & 1909 Jefferson Ave		Heavy rainfall in the area resulted in high flows in the collection system.	150	0.5	~	Construction Completed	N/A	N/A
1/23/2012 1/23/2012	2848 LONDON CIRCLE 1500 LYONS BEND ROAD	KUW First Creek FC Fourth Cree		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	4	~	N/A Construction Underway	Repair Completed N/A	N/A N/A
1/23/2012	1216 WATERCRESS DRIVE	KUW First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	1,000	2	✓	Construction Completed	N/A	N/A
1/23/2012 1/24/2012	3148 WILDERNESS ROAD 3741 EAKERS STREET	KUW First Creek KUW South Knoxvil		MH 51 & 52 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.	3,000 Unknown	4 Unknown	~	N/A Construction Completed	Repair Completed N/A	N/A N/A
1/25/2012	310 KENSI DRIVE	KUW Second Cree	k 10	Lateral Cleanout & BBU at 312 Kensi Drive	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	325	2		N/A	BA	6 Months
1/29/2012 1/31/2012	612 VIEW PARK DRIVE 2015 NEYLAND DRIVE	KUW Knob Creek KUW Third Creek		MH 97-44 Dewatering Containment		Blockage - Roots. The sewer main was flushed & area was cleaned. Instruction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned.	25	3 0.25		N/A Future Construction Planned	BA Repair Completed	6 Months N/A
2/2/2012	7218 WASHINGTON PIKE	EB Eastbridge	109	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	1.5		N/A	Repair Completed	N/A
2/7/2012	4505 MIDDLEBROOK PIKE	KUW Third Creek		Dewatering Containment	C	Instruction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned.	150	0.1		N/A N/A	Repair Completed	N/A 12 Months
2/8/2012 2/8/2012	736 GREENMEADOWS DRIVE 5760 SANDIS LANE	LC Loves Creel	20	MH 24-1 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.	250 7,000	<u>8</u>		N/A	BA/Grease Control Repair Completed	N/A
2/9/2012	1613 WANDERING ROAD	KUW Third Creek	13	MH 52-3		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	3		N/A	BA/Grease Control	12 Months
2/15/2012 2/23/2012	1421 N BROADWAY 2715 MARYVILLE PIKE	KUW First Creek KUW Knob Creek		MH 3-25 Grinder Pump		Blockage - Grease. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	<u>265</u> 60	1.5 1		N/A N/A	BA/Grease Control Repair Completed	6 Months N/A
2/28/2012	5356 BENT RIVER BOULEVARD	FC Fourth Cree	K 43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1.5	√	N/A	Repair Completed	N/A
3/1/2012 3/7/2012	1125 MONTVIEW ROAD 1500 LYONS BEND ROAD	FC Fourth Creek		MH 65-131 MH 1		Blockage - Roots. The sewer main was flushed & area was cleaned. WWTP - Electrical Failure. Electricity was restored.	60 97,300	1 0.45	✓	N/A N/A	BA Repair Completed	12 Months N/A
3/7/2012	312 NINETEENTH AVENUE	KUW Third Creek	29	Floor Drain and BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	35	0.45		N/A	BA	9 Months
3/7/2012	620 W HILL AVENUE 8537 ASHEVILLE HIGHWAY	KUW First Creek		Unnamed MH MH 21-16	Con	truction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	800 400	8		N/A N/A	Repair Completed	N/A 12 Months
3/9/2012 3/10/2012	4901 BALL CAMP PIKE	EB Eastbridge KUW Third Creek		MH 21-16 Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	2,500	4.5		N/A	BA BA	12 Months 9 Months
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
3/13/2012 3/30/2012	929 KEOWEE AVENUE 5363 BENT RIVER BOULEVARD	KUW Third Creek FC Fourth Creek	x 43	Broken Gravity Main Grinder Pump		onstruction 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 5	24 0.75		N/A N/A	Repair Completed Repair Completed	N/A N/A
3/31/2012	5218 BENT RIVER BOULEVARD	FC Fourth Cree	< 43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5 40	0.5	1	N/A Construction Completed	Repair Completed N/A	N/A N/A
4/2/2012 4/5/2012	1909 JEFFERSON AVENUE 1216 WATERCRESS DRIVE	KUW First Creek KUW First Creek		Lateral Cleanout MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	200	2	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/7/2012	1925 AILOR AVENUE	KUW Third Creek	29	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	200	1		N/A	BA	12 Months
4/7/2012 4/9/2012	2304 WOODS CREEK ROAD 5603 SUMMER GROVE LANE	LC Loves Creek FC Fourth Creek		Grinder Pump MH 19-63		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A N/A	Repair Completed BA	N/A 12 Months
4/28/2012	1816 STERCHI STREET	KUW Third Creek	22	MH 11-44		Blockage - Debris. The sewer main was flushed & area was cleaned.	30	1		N/A	BA	6 Months
4/28/2012 5/3/2012	6532 WESTSIDE DRIVE 2010 CUMBERLAND AVENUE	FC Fourth Creek		MH 49-5 Unconnected Lateral		Vandalism. Blockage was removed & the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	66,000 50	5	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
5/10/2012	3560 TALAHI DRIVE	KUW Third Creek	38	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	400	3		N/A	BA	9 Months
5/12/2012 5/14/2012	403 W OLDHAM AVENUE 4600 UPCHURCH ROAD	KUW Second Cree KUW First Creek		Unnamed Manhole MH 45	_	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.	47,000 50	4		N/A Construction Completed	Repair Completed N/A	N/A N/A
U, 17/2012	1216 WATERCRESS DRIVE	KUW First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	✓	Construction Completed	N/A	N/A
5/14/2012	2015 NEYLAND DRIVE	KUW Third Creek	35b	#2 Digester		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	100	0.33	√ √	Future Construction Planned	Repair Completed	N/A
5/14/2012 5/15/2012		KUW First Creek		Broken Gravity Main MHs 20-16 & 20-20		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	3,800	2	<b>v</b>	Construction Completed N/A	N/A BA/Grease Control	N/A 6 Months
5/14/2012 5/15/2012 5/25/2012	4601 SEMINOLE ROAD	KUW Third Creek	12				100	1				12 Months
5/14/2012 5/15/2012 5/25/2012 6/4/2012 7/1/2012	4601 SEMINOLE ROAD 5412 MAYWOOD ROAD 5745 GOLDENROD CIRCLE	KUW Third Creek KUW Third Creek	11	MH 11-20		Blockage - Debris. The sewer main was flushed & area was cleaned.		· · ·		N/A	BA	
5/14/2012 5/15/2012 5/25/2012 6/4/2012 7/1/2012 7/3/2012	4601 SEMINOLE ROAD 5412 MAYWOOD ROAD 5745 GOLDENROD CIRCLE 4800 MALONEYVILLE ROAD	KUW Third Creek EB Eastbridge	11 109	MH 11-20 Wetwell		Blockage - Debris. The sewer main was flushed & area was cleaned.	1,800	1	✓	Construction Completed	N/A	N/A
5/14/2012 5/15/2012 5/25/2012 6/4/2012 7/1/2012	4601 SEMINOLE ROAD 5412 MAYWOOD ROAD 5745 GOLDENROD CIRCLE	KUW Third Creek	11 109 ek 25	MH 11-20				1 5 2	✓ 			N/A N/A N/A
5/14/2012 5/15/2012 5/25/2012 6/4/2012 7/1/2012 7/3/2012 7/8/2012	4601 SEMINOLE ROAD 5412 MAYWOOD ROAD 5745 GOLDENROD CIRCLE 4800 MALONEYVILLE ROAD 2111 MOHAWK AVENUE	KUW Third Creek EB Eastbridge KUW Williams Cree	11 109 ek 25 63 109	MH 11-20 Wetwell 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 1,100	1 5 2 1		Construction Completed N/A	N/A Repair Completed	N/A N/A

Date Stree		Plant Watershed Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
7/20/2012 7/20/2012	1620 EDGEWOOD AVENUE 516 N BEAMAN STREET	KUW         First Creek         16           LC         Loves Creek         20	Lateral Cleanout MH 61-8		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	1,000 Unknown	1 Unknown	✓	N/A Construction Completed	Repair Completed N/A	N/A N/A
7/22/2012 8/17/2012	3616 KEITH AVENUE 524 BEN HUR AVENUE	KUW Third Creek 39 KUW Williams Creek 25	MH 15-145 Broken Lateral & BBU	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	50 60	1 2		N/A N/A	BA BA	6 Months 6 Months
8/17/2012 9/10/2012	8035 WASHINGTON PIKE 423 BUSBEE ROAD	EB Eastbridge 113 KUW South Knoxville 40	Grinder Pump 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
9/14/2012 9/17/2012	4300 ROBERTS ROAD 4600 CHAPMAN HIGHWAY	EB Eastbridge 113 KUW South Knoxville 39	Grinder Pump MHs 81 & 82		Grinder Pump Failure. Pump was repaired & the 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	N/A N/A
9/18/2012	1309 ADAIR DRIVE	KUW First Creek 7	MH 28		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	2		Construction Completed	Repair Completed N/A	N/A
9/18/2012 9/18/2012	517 BERNARD AVENUE 961 E FORD VALLEY ROAD	KUW         Second Creek         23           KUW         Knob Creek         41	MHs 98 & 101 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.	120,000 97,500	0.5		N/A Construction Completed	Repair Completed N/A	N/A N/A
9/18/2012 9/18/2012	3741 EAKERS STREET 1903 JEFFERSON AVENUE	KUW South Knoxville 40 KUW First Creek 24	MH 47-103 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.	2,000	3	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/18/2012 9/18/2012	1500 LYONS BEND ROAD 5915 NEUBERT SPRINGS ROAD	FC Fourth Creek 37 KUW Knob Creek 41	MH 1 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	N/A N/A
9/18/2012	2004 NEYLAND DRIVE	KUW Second Creek 35a	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	100.000	0.25	✓ (	Future Construction Planned	Repair Completed N/A	N/A
9/18/2012 9/18/2012	2004 RIVERSIDE DRIVE 6410 S NORTHSHORE DRIVE	KUW         Williams Creek         31           FC         Fourth Creek         37	MH 1-1 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 2	✓ ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
9/18/2012 9/19/2012	5760 SANDIS LANE 5219 BENT RIVER BOULEVARD	LC Loves Creek 20 FC Fourth Creek 43	MH 1 Grinder Pump & BBU	BBU	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	1,000,800 103	2	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
9/24/2012 9/25/2012	2441 LINDEN AVENUE 5219 BENT RIVER BOULEVARD	KUW         Williams Creek         19           FC         Fourth Creek         43	MH 5-240 Grinder Pump & BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	250	1 0.33		N/A N/A	BA/Grease Control Repair Completed	12 Months N/A
9/28/2012	4205 DRIFTING DRIVE	KUW Third Creek 13	MH 31-19		Blockage - Grease. The sewer main was flushed & area was cleaned.	200	2		N/A	BA/Grease Control	12 Months
10/1/2012 10/5/2012	3902 OAKLAND DRIVE 2015 NEYLAND DRIVE	KUW First Creek 2 KUW Third Creek 35b	Lateral Cleanout Broken Force Main		Blockage - Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	1,100 100	1		N/A Future Construction Planned	BA Repair Completed	6 Months N/A
10/8/2012 10/12/2012	5032 LYONS VIEW PIKE 521 TALIWA DRIVE	FC Fourth Creek 37 KUW South Knoxville 40	Grinder Pump Broken Gravity Main		Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	4 50	1.5	¥	N/A N/A	Repair Completed Repair Completed	N/A N/A
10/15/2012 10/16/2012	108 CARON DRIVE 1219 HILTON ROAD	KUW Second Creek 5 KUW Third Creek 21	MH 16-57 MH 10-64		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	1,150 400	2		N/A N/A	BA BA	6 Months 9 Months
10/16/2012	409 N BELLEMEADE AVENUE	KUW Third Creek 28	MH 3-53 MH 7-72		Heavy rainfall in the area resulted in high flows in the collection system.	35	1	✓	Construction Completed	N/A BA	N/A
10/20/2012 10/22/2012	313 FORESTAL DRIVE 5253 BENT RIVER BOULEVARD	KUW         First Creek         8           FC         Fourth Creek         43	Grinder Pump		Blockage - Debris. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	100 2	1.5		N/A	Repair Completed	12 Months N/A
10/24/2012 10/28/2012	5408 GREEN VALLEY DRIVE 4500 E END ROAD	LC Loves Creek 26 KUW South Knoxville 39	Air Release Valve 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
11/5/2012 11/5/2012	4923 BALL ROAD 8455 STRAWBERRY PLAINS PIKE	FC Fourth Creek 49 EB Eastbridge 72	Broken Force Main Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned. Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	28,500 460	8 4	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
11/8/2012	5219 BENT RIVER BOULEVARD	FC Fourth Creek 43	Grinder Pump & BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	4	1	✓ ✓	N/A	Repair Completed	N/A
11/15/2012 11/18/2012	4517 N WAHLI DRIVE 4315 CLINTON HIGHWAY	KUW First Creek 7 KUW Second Creek 10	MH 39 Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	725 2,050	<u> </u>	•	Construction Completed N/A	BA BA	12 Months 12 Months
11/24/2012 11/26/2012	7920 WASHINGTON PIKE 5016 WILFORD ROAD	EB Eastbridge 113 KUW Second Creek 5	Grinder Pump MH 2		Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	5 750	0.5	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
11/30/2012 12/9/2012	5032 LYONS VIEW PIKE 1814 E GLENWOOD AVENUE	FC Fourth Creek 37 KUW First Creek 24	Grinder Pump MH 25-49		Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	5 410	1.5	✓	N/A Construction Completed	Repair Completed BA/Grease Control	N/A 6 Months
12/12/2012	5704 WAYNEWOOD ROAD	KUW Second Creek 5	MH 16-22	DDU	Blockage - Roots. The sewer main was flushed & area was cleaned.	360	2		N/A	BA	9 Months
12/20/2012 1/7/2013	3006 CORAM STREET 1000 BAKER AVENUE	KUW Second Creek 14 KUW South Knoxville 40	MH 10-27 & Lateral Cleanout at 222 Radford Place & BBU MH 40-7	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	1,550 450	1		N/A N/A	BA	6 Months 6 Months
1/11/2013 1/13/2013	1705 COTTAGEWOOD WAY 7939 WASHINGTON PIKE	FC Fourth Creek 37 EB Eastbridge 113	Lateral Grinder Pump		Construction Failure - Diq-In. Gravity main was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	15 5	<u>6</u> 1	✓ <i>✓</i>	N/A N/A	Repair Completed Repair Completed	N/A N/A
1/14/2013 1/14/2013	5829 BALL CAMP PIKE 3704 CHAPMAN HIGHWAY	KUW Third Creek 11 KUW South Knoxville 39	MH 11-48 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
1/15/2013 1/15/2013	3410 BORIGHT DRIVE 2328 CEDAR LANE	KUW First Creek 8 KUW First Creek 4	MHs 42, 43, & 44 MH 22-30 & BBU	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.	70,650	28	✓ √	Construction Completed	N/A N/A	N/A N/A
1/15/2013	1903 JEFFERSON AVENUE	KUW First Creek 24	MH 25-18	BBU	Heavy rainfall in the area resulted in high flows in the collection system.	75	1	✓ ✓	Future Construction Planned Construction Completed	N/A	N/A
1/15/2013 1/15/2013	1500 LYONS BEND ROAD 2541 MITCHELL STREET	FC Fourth Creek 37 KUW First Creek 18	MH 1 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.	4,285,300 317,000	36.26 120	✓ ✓	Construction Underway Construction Underway	N/A N/A	N/A N/A
1/15/2013 1/15/2013	600 N GALLAHER VIEW ROAD 2004 NEYLAND DRIVE	FC Fourth Creek 32A KUW Second Creek 35a	MH 77 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.	11,324,000 18,440,000	116 19.83	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
1/15/2013 1/15/2013	4719 OLD BROADWAY 2004 RIVERSIDE DRIVE	KUW First Creek 7	MH 2 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	✓ ✓	Construction Completed	N/A	N/A
1/16/2013	5219 BENT RIVER BOULEVARD	FC Fourth Creek 43	Grinder pump and BBU	BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	28 1	✓ ✓	Future Construction Planned N/A	N/A Repair Completed	N/A N/A
1/16/2013 1/16/2013	2412 BERNHURST DRIVE 201 HERMITAGE DRIVE	KUW First Creek 4 KUW Knob Creek 41	MH 18-54 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 19		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
1/16/2013 1/16/2013	4505 MIDDLEBROOK PIKE 6016 NEUBERT SPRINGS ROAD	KUW         Third Creek         21           EB         Knob Creek         41	MHs 1 & 27-54 MH 19		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	10,000 10,000	12	✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
1/16/2013	6410 S NORTHSHORE DRIVE	FC Fourth Creek 37	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	5,800	4	✓	Construction Completed	N/A	N/A
1/17/2013 1/17/2013	2541 FAIR DRIVE 6532 WESTSIDE DRIVE	KUW         First Creek         4           FC         Fourth Creek         32a	MH 20-2 MH 49-5		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	13,900 200	48 1	×	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
1/18/2013 1/23/2013	3439 E MAGNOLIA AVENUE 7920 WASHINGTON PIKE	LC Loves Creek 20 EB Eastbridge 113	MH 61 Grinder Pump		Heavy rainfall in the area resulted in high flows in the collection system. Grinder Pump Failure. Pump was repaired & the area was cleaned.	25 5	<u>1</u> 1	✓	Future Construction Planned N/A	N/A Repair Completed	N/A N/A
1/28/2013 1/29/2013	2377 NEYLAND DRIVE 900 E HILL AVENUE	KUW Third Creek 35b KUW Williams Creek 31	MH 4-54 MH 6-62		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	300 180	1 1		Future Construction Planned N/A	N/A BA/Grease Control	N/A 12 Months
1/30/2013 1/30/2013	3412 BORIGHT DRIVE 2500 CEDAR LANE	KUW First Creek 8 KUW First Creek 4	MHs 43, 46-16, & Lateral Cleanout @ 3618 Boright Drive 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.	21,300 280	<u>16</u> 1	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
1/30/2013	2538 FAIR DRIVE	KUW First Creek 4	MH 20-1		Heavy rainfall in the area resulted in high flows in the collection system.	450	3	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned	N/A	N/A
1/30/2013 1/30/2013	1903 JEFFERSON AVENUE 1500 LYONS BEND ROAD	KUW         First Creek         24           FC         Fourth Creek         37	MH 25-18 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.	875 905,700	4 9.17	✓ ✓	Construction Completed Construction Underway	N/A N/A	N/A N/A
1/30/2013 1/30/2013	3305 MCKAMEY ROAD 2541 MITCHELL STREET	KUW Third Creek 11 KUW First Creek 18	MH 13 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.	6,400 19,600	9 24	✓	Construction Underway Construction Underway	N/A N/A	N/A N/A
1/30/2013 1/31/2013	2004 RIVERSIDE DRIVE 600 N GALLAHER VIEW ROAD	KUW         Williams Creek         31           FC         Fourth Creek         32A	MH 1-1 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.	13,100 570,700	14 9	✓ ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
2/4/2013 2/4/2013	4100 CENTRAL AVENUE PIKE 409 N BELLEMEADE AVENUE	KUW Second Creek 10 KUW Third Creek 28	MH 17-9 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.	50 500	1	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
2/8/2013	5029 FIELDCREST LANE	KUW First Creek 4	MH 13-118		Blockage - Debris. The sewer main was flushed & area was cleaned.	510	1		N/A	BA	6 Months
2/10/2013 2/10/2013	4811 BEVERLY ROAD 1521 SAYLORS FORD ROAD	KUW         First Creek         2           EB         Eastbridge         115	MH 39-44 Eastbridge Wastewater Treatment Plant		Heavy rainfall in the area resulted in high flows in the collection system. WWTP - Mechanical Failure. Plant was reinstated.	10 435	1 0.75		Construction Completed N/A	N/A Repair Completed	N/A N/A
3/5/2013 3/5/2013	4128 OAKLAND DRIVE 1323 TENNESSEE AVENUE	KUW         First Creek         2           KUW         Second Creek         15	MH 39-6 MH 21-191 & Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	Unknown 750	Unknown 1		Construction Completed N/A	N/A BA	N/A 12 Months
3/7/2013 3/11/2013	217 STRATFORD ROAD 4728 BALL CAMP PIKE	KUW         Knob Creek         41           KUW         Third Creek         12	MH 66-14 Lateral Cleanout		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 1,100	1		N/A N/A	Repair Completed BA/Grease Control	N/A 6 Months
3/11/2013 3/11/2013 3/11/2013	4917 BALL ROAD 2840 ESSARY DRIVE	FC Fourth Creek 49 KUW First Creek 3	Broken Force Main MH 2-14		Broken System - Broken Force Main. Force main was repaired & the area cleaned. Blockage - Grease. The sever main was flushed & area was cleaned.	3,400	3		N/A N/A	Repair Completed BA/Grease Control	N/A 6 months
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
3/20/2013 3/27/2013	4525 N WAHLI DRIVE 2418 SELMA AVENUE	KUW First Creek 7 KUW Williams Creek 25	Lateral Cleanout Lateral Cleanout		Construction Failure - Pressure Testing Process Failure. The area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	30 800	1	×	Construction Completed N/A	N/A BA/Grease Control	N/A 6 months
3/28/2013 4/8/2013	1224 PARK HILL CIRCLE 2724 WESTERN AVENUE	FC Fourth Creek 32a KUW Third Creek 22	MH 30-52 MH 18-86		Blockage - Roots. The sewer main was flushed & area was cleaned. Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.	1,000 20,000	1 7.5		N/A N/A	BA Repair Completed	12 Months N/A
4/11/2013	900 CARRINGTON ROAD	FC Fourth Creek 32b	MH 4-92		Blockage - Roots. The sewer main was flushed & area was cleaned.	40	1		N/A	BA	12 Months
4/18/2013 4/26/2013	1212 KENESAW AVENUE 7939 WASHINGTON PIKE	KUW         Third Creek         38           EB         Eastbridge         113	MH 24-168 Grinder Pump		Blockage - Debris. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	30 6	1	<u> </u>	N/A N/A	BA Repair Completed	6 Months N/A
4/27/2013 4/28/2013	608 VAN STREET 1540 JOUROLMAN AVENUE	KUW Second Creek 23 KUW Third Creek 22	MHs 28-1 & 28-14 MHs 6-194 & 6-219 & BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	1,000 6,350	4 6		N/A N/A	BA/Grease Control BA/Grease Control	6 Months 6 Months
4/28/2013	1500 LYONS BEND ROAD	FC Fourth Creek 37	MH 1 & Influent Pump Room		Electrical Failure - WWTP. Electricity was restored and the area was cleaned.	1,660,879	5.18	<ul> <li>✓</li> </ul>	N/A	Repair Completed	N/A
4/29/2013 5/6/2013	1028 W PARKWAY AVENUE 2722 CHUKAR ROAD	KUW         First Creek         4           FC         Fourth Creek         32A	MH 51-15 MH 65-11		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	25 5,500	2		N/A N/A	Repair Completed BA	N/A 6 Months
5/6/2013 5/8/2013	2541 MITCHELL STREET 701 W HILLS ROAD	KUW First Creek 18 FC Fourth Creek 27	MH 30-182 MH 54		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.	12,500 400	1 16	✓ <u> </u>	Construction Underway N/A	N/A Repair Completed	N/A N/A
5/16/2013	1450 DOWELL SPRINGS BOULEVARD 2327 S HAVEN ROAD	FC Fourth Creek 27	MH 24-94		Blockage - Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	100	0.5 Unknown		N/A	BA	12 Months N/A
5/16/2013 5/30/2013	1501 WASHINGTON AVENUE	KUW First Creek 24	MH 24-27 MH 24-13		Blockage - Debris. The sewer main was flushed & area was cleaned.	Unknown 210	1		N/A N/A	Repair Completed BA	3 Months
6/4/2013	2111 SCHOFIELD STREET	KUW Third Creek 22	MH 13		Construction Failure - Broken Gravity Main. The sewer main was repaired and the area was cleaned.	40,000	3		N/A	Repair Completed	N/A

Date	Street # Street	Plant Watershed Basin	Overflow Location Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
6/7/2013 6/10/2013	7939 WASHINGTON PIKE 1725 AMHERST ROAD	EB Eastbridge 113 FC Fourth Creek 27	Grinder Pump Lateral Cleanout	Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken Svstem - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	3	1.5	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
6/12/2013	6549 CREEKHEAD DRIVE	FC Fourth Creek 32a	MH 49-3	Vandalism. Blockage was removed & the area was cleaned.	3,000	2		N/A	Repair Completed	N/A
6/12/2013 6/18/2013		KUW South Knoxville 39 KUW First Creek 4	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.	1,500 300	3	✓	N/A Future Construction Planned	BA N/A	6 Months N/A
6/18/2013	1908 JEFFERSON AVENUE	KUW First Creek 24	Lateral Cleanout	Heavy rainfall in the area resulted in high flows in the collection system.	50	1	✓	Construction Completed	N/A	N/A
7/7/2013 7/7/2013	3621 & 3618 BORIGHT DRIVE 4100 CENTRAL AVENUE PIKE	KUW First Creek 8 KUW Second Creek 10	MH 46-16 & 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.	3,300 36,600	3	v ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
7/7/2013 7/7/2013	1810 & 1908 JEFFERSON AVENUE 1500 LYONS BEND ROAD	KUW First Creek 24 FC Fourth Creek 37	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 8.75	✓ ✓	Construction Completed Construction Underway	N/A N/A	N/A N/A
7/7/2013	438 MARYVILLE PIKE	KUW South Knoxville 39	MHs 27-2 & 27-3	Heavy rainfall in the area resulted in high flows in the collection system.	800	1		Construction Completed	N/A	N/A
7/7/2013	600 N GALLAHER VIEW ROAD 2008 RIVERSIDE DRIVE	FC Fourth Creek 32A KUW Williams Creek 25	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.	540,000 6,000	24	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
7/7/2013	2327 S HAVEN ROAD	KUW South Knoxville 40	MH 24-27	Heavy rainfall in the area resulted in high flows in the collection system.	500	1		N/A	Repair Completed	N/A
7/8/2013 7/8/2013	2541 MITCHELL STREET 409 N BELLEMEADE AVENUE	KUW First Creek 18 KUW Third Creek 28	MH 30-182 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.	19,000 Unknown	16 Unknown	✓ ✓	Construction Underway Construction Completed	N/A N/A	N/A N/A
7/9/2013	4505 MIDDLEBROOK PIKE	KUW Third Creek 21	MH 1	Heavy rainfall in the area resulted in high flows in the collection system. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
7/9/2013 7/10/2013	1201 WATERCRESS DRIVE 2110 COVE VIEW WAY	KUW First Creek 7 FC Fourth Creek 43	Lateral Cleanout Grinder Pump	Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	67,000 15	12 0.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
7/10/2013 7/10/2013	2309 MAPLE DRIVE 6410 S NORTHSHORE DRIVE	KUW First Creek 4 FC Fourth Creek 37	Lateral Cleanout MH 8	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	Unknown Unknown	Unknown Unknown		Future Construction Planned Construction Completed	N/A N/A	N/A N/A
7/10/2013	1815 WAYLAND ROAD	LC Loves Creek 67	Lateral Cleanout	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
7/15/2013 7/22/2013	4719 OLD BROADWAY 905 KERMIT DRIVE	KUW First Creek 7 KUW Second Creek 5	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 2	✓	Construction Completed N/A	N/A Repair Completed	N/A N/A
7/25/2013	5817 GREEN VALLEY DRIVE	LC Loves Creek 26	MH 16	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	10	0.5		N/A	Repair Completed	N/A
7/29/2013 7/31/2013	5277 N NATIONAL DRIVE 4604 CROSBY DRIVE	KUW Riverdale 60 KUW Third Creek 28	MH 30-3 MH 36	Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	150	1		N/A N/A	Repair Completed Repair Completed	N/A N/A
8/24/2013	2304 WOODS CREEK ROAD	LC Loves Creek 105	Grinder Pump & BBU BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	20	1		N/A	Repair Completed	N/A
8/27/2013 9/3/2013	117 CHARLENE LANE 4100 CENTRAL AVENUE PIKE	KUW Second Creek 5 KUW Second Creek 10	MH 16-9 MH 17-9	Blockage - Roots. The sewer main was flushed & area was cleaned. Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	4,300	48 0.25	✓	N/A N/A	BA Repair Completed	12 Months N/A
9/6/2013	1901 SUTHERLAND AVENUE 1108 WHITOWER DRIVE	KUW Third Creek 29	MH 23	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Broken System - Sewer Main Collapse. The sewer main is repaired and the area was cleaned.	700	2		N/A	BA/Grease Control Repair Completed	12 Months N/A
9/6/2013 9/9/2013	816 W BAXTER AVENUE	FC Fourth Creek 36 KUW Third Creek 23	Subsurface MH 19-231	Blockage - Debris. The sewer main was flushed & area was cleaned.	120 360	0.5		N/A N/A	BA	12 Months
9/17/2013 9/18/2013	1017 COX STREET 2308 FOREST AVENUE	KUW Third Creek 28 KUW Third Creek 29	Broken Gravity Main MH 9-12	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.	75 500	1		N/A N/A	Repair Completed Repair Completed	N/A N/A
9/21/2013	2015 NEYLAND DRIVE	KUW Third Creek 35b	Primary Effluent Channel	WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	115,000	0.13		Future Construction Planned	Repair Completed	N/A
9/22/2013 9/24/2013	1500 LYONS BEND ROAD 5803 MILLERTOWN PIKE	FC Fourth Creek 37 LC Loves Creek 105	MH 1 Grinder Pump	Electrical Failure - WWTP. Electricity was restored and the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	227,000	0.93	✓ 	Construction Underway N/A	N/A Repair Completed	N/A N/A
9/26/2013	2501 AILOR AVENUE	KUW Third Creek 29	MH 16	Blockage - Debris. The sewer main was flushed & area was cleaned.	5,600	2		N/A	BA	12 Months
9/30/2013 10/3/2013	5255 MCINTYRE ROAD 1111 W FIFTH AVENUE	LC Loves Creek 6 KUW Second Creek 23	MH 33-7 MH 19-190 & 19-189	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	35	1		N/A N/A	BA BA/Grease Control	12 Months 3 Months
10/4/2013	3547 TALAHI DRIVE	KUW Third Creek 38	MH 13-54	Blockage - Debris. The sewer main was flushed & area was cleaned.	180	2		N/A	BA	12 Months
10/9/2013 10/10/2013	1500         LYONS BEND ROAD           3         5227         MCNUTT ROAD	FC Fourth Creek 43 KUW Knob Creek 41	HRC Pump MH 95	Construction Failure - Pump Testing Process Failure. The process was reinstated and the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	115	0.25		N/A Construction Completed	Repair Completed BA	N/A 12 Months
10/13/2013 10/15/2013	3 4319 COMET LANE 3 1221 MILAM CIRCLE	LC Loves Creek 6 FC Fourth Creek 36	Lateral Cleanout MH 12-3	Blockage - Roots and Debris. The sewer main was flushed & area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	140 7.500	2		N/A N/A	BA Repair Completed	12 Months N/A
10/15/2013	409 N WINSTON ROAD	FC Fourth Creek 36	Lateral Cleanout and BBU BBU	Construction Failure - Blockage by Construction Debris. The sewer main was rushed a the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	300	2		N/A N/A	Repair Completed	N/A N/A
10/24/2013 10/26/2013	3 3847 WILANI ROAD 3 1216 BAKER AVENUE	KUW Third Creek 38 KUW South Knoxville 40	Lateral Cleanout Lateral Cleanout and BBU BBU	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	20	0.17 0.25		N/A N/A	BA BA/Grease Control	12 Months 6 Months
10/28/2013	5339 BENT RIVER BOULEVARD	FC Fourth Creek 43	Residential Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.5		N/A	Repair Completed	N/A
11/2/2013 11/5/2013	508 BROOME ROAD 601 VAN STREET	FC Fourth Creek 32a KUW Second Creek 23	MH 15-6 MH 19-262	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	70 80	2		N/A N/A	BA BA/Grease Control	12 Months 6 Months
11/7/2013	1500 AMHERST ROAD	FC Fourth Creek 27	MH 22-68	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	200	0.25		N/A	Repair Completed	N/A
11/8/2013 11/16/2013	5032 LYONS VIEW PIKE 5730 DAVIDA ROAD	FC Fourth Creek 37 KUW Second Creek 5	Grinder Pump MH 8-83	Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	10 180	1	· · ·	N/A N/A	Repair Completed BA	N/A 12 Months
11/21/2013 11/25/2013	6512         ELLESMERE DRIVE           3         1921         COKER AVENUE	KUW Third Creek 11 KUW First Creek 17	MH 52-6 Lateral Cleanout & BBU BBU	Blockage - Roots. The sewer main was flushed & area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	450	2		N/A N/A	BA Repair Completed	12 Months N/A
12/9/2013	600 N GALLAHER VIEW ROAD	FC Fourth Creek 32A	MH 77	WW Storage Facility - Mechanical Failure. The facility was repaired & the area was cleaned.	59,000	3.25	✓	Construction Completed	N/A	N/A
12/9/2013 12/12/2013	2310 SYCAMORE DRIVE 3 2437 KEITH AVENUE	KUW Third Creek 22 KUW Third Creek 22	Lateral Cleanout Lateral Cleanout & BBU BBU	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	550 105	1		N/A Construction Completed	Repair Completed N/A	N/A N/A
1/11/2014 1/29/2014	2541 MITCHELL STREET 1310 MEMORY LANE	KUW First Creek 18 LC Loves Creek 6	MH 30-182 MH 29-33	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned.	100	1	√	Construction Underway N/A	N/A BA	N/A 3 Months
1/31/2014		LC Loves Creek 0	Air Release Valve	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	575	0.083		N/A N/A	Repair Completed	N/A
2/3/2014 2/3/2014		KUW First Creek 8 KUW First Creek 18	MH 40-1 MH 40 & BBU at 2832 Hoitt Avenue BBU	Construction Failure - A failed connection on a temporary system was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	2,250	9		N/A Construction Underway	Repair Completed N/A	N/A N/A
2/3/2014	2541 MITCHELL STREET	KUW First Creek 18	MH 30-182	Heavy rainfall in the area resulted in high flows in the collection system.	13,100	3	1	Construction Underway	N/A	N/A
2/3/2014 2/4/2014	2008 RIVERSIDE DRIVE 5605 WALLWOOD ROAD	KUW Williams Creek 31 KUW Second Creek 5	MH 2 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.	24,400	2	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned N/A	Repair Completed BA	N/A 18 Months
2/11/2014 2/13/2014		KUW First Creek 18 FC Fourth Creek 43	Combination Cleaner Grinder Pump	Construction Failure - Capacity exceeded on Combination Cleaner and the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	500 17	1 0.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
2/15/2014	1748 TRANSPORT WAY	LC Loves Creek 105	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.5		N/A	Repair Completed	N/A
2/20/2014 2/21/2014	604 DUTCH VALLEY DRIVE 5417 SCENICWOOD ROAD	KUW Second Creek 10 KUW Second Creek 5	MH 17-52 MH 8-53 & 8-54	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	37,500 1,400	2.5		N/A N/A	BA/Grease Control BA	12 Months 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 2/26/2014	132 WATAUGA AVENUE 1308 TRIGG STREET	KUW Second Creek 14 KUW Williams Creek 25	MH 10-12 Broken Sewer 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.	375	1 7		Construction Completed N/A	N/A Repair Completed	N/A 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 3/14/2014	5400 PAULA ROAD 2015 NEYLAND DRIVE	KUW First Creek 4 KUW Third Creek 35C	MH 58-5 Broken Force Main	Blockage - Roots. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	575 250	2.5 0.25		N/A N/A	BA Repair Completed	24 Months N/A
3/18/2014 3/30/2014	1525 DICK LONAS ROAD	FC Fourth Creek 27	Bypass Pump MH 9-5	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	40 750	1		N/A N/A	Repair Completed BA	N/A 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 4/30/2014	2822 PRUDEN DRIVE 3037 GIBBS DRIVE	KUW First Creek 3 KUW First Creek 3	Manhole 14-40 Lateral Cleanout & BBU BBU	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	135 35	0.75 0.5		N/A N/A	BA BA	12 Months 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 6/2/2014		KUW First Creek 8 KUW First Creek 2	Manhole 7-76 Manhole 39-30	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	170	1 0.25		N/A N/A	BA BA	6 Months 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
# 47 F 12		LC Loves Creek 105	Air Release Valve Digester Complex	Construction Failure by Customer. The valve was replaced and the area was cleaned. Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned.	2,700 2,500	0.016	✓ ✓	Construction Completed N/A	Repair Completed Repair Completed	N/A N/A
6/19/2014 6/23/2014	6209 OLD RUTLEDGE PIKE	KUW Third Creek 35B		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	0.25	✓	N/A	Repair Completed	N/A
6/23/2014 6/24/2014	6209 OLD RUTLEDGE PIKE 2015 NEYLAND DRIVE 5032 LYONS VIEW PIKE	KUW         Third Creek         35B           KUW         Third Creek         34	Grinder Pump	Blockage - Debrie The source main was fluched 8					BA	12 Months N/A
6/23/2014 6/24/2014 6/25/2014 6/26/2014	6209 OLD RUTLEDGE PIKE 2015 NEYLAND DRIVE 5032 LYONS VIEW PIKE 1692 AMHERST ROAD 2015 NEYLAND DRIVE	KUW         Third Creek         35B           KUW         Third Creek         34           FC         Fourth Creek         27           KUW         Third Creek         35B	Grinder Pump Marhole 22-165 Digester Complex	Blockage - Debris. The sewer main was flushed & area was cleaned. Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned.	470 65	1 0.05	<b>√</b>	N/A N/A	Repair Completed	N/A
6/23/2014 6/24/2014 6/25/2014 6/26/2014 7/7/2014	6209         OLD RUTLEDGE PIKE           2015         NEYLAND DRIVE           5032         LYONS VIEW PIKE           1682         AMHERST ROAD           2015         NEYLAND DRIVE           1918         LYONS BEND ROAD	KUW         Third Creek         35B           KUW         Third Creek         34           FC         Fourth Creek         27           KUW         Third Creek         35B           FC         Fourth Creek         43	Grinder Pump Manhole 22-165 Digester Complex Air Release Valve	Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	65 500	0.05	✓ ✓	N/A N/A	Repair Completed Repair Completed	N/A
6/23/2014 6/24/2014 6/25/2014 6/26/2014	6209         OLD RUTLEDGE PIKE           2015         NEYLAND DRIVE           5032         LYONS VIEW PIKE           1682         AMHERST ROAD           2015         NEYLAND DRIVE           1918         LYONS BEND ROAD           2015         NEYLAND DRIVE           1938         GRAINGER AVENUE	KUW         Third Creek         35B           KUW         Third Creek         34           FC         Fourth Creek         27           KUW         Third Creek         35B	Grinder Pump Marhole 22-165 Digester Complex Air Release Valve Primary Influent Boxes 1 & 3 Subsurface	Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	65		×	N/A	Repair Completed Repair Completed Repair Completed Repair Completed	
6/23/2014 6/24/2014 6/25/2014 6/26/2014 7/7/2014 7/11/2014 7/15/2014 7/22/2014	6209         OLD RUTLEDGE PIKE           2015         NEYLAND DRIVE           5032         LYONS VIEW PIKE           1692         AMHERST ROAD           2015         NEYLAND DRIVE           1918         LYONS BEND ROAD           2015         NEYLAND DRIVE           1918         LYONS BEND ROAD           2015         NEYLAND DRIVE           1335         GRAINGER AVENUE           1263         SWAN POND LANE	KUW         Third Creek         35B           KUW         Third Creek         34           FC         Fourth Creek         27           KUW         Third Creek         35B           FC         Fourth Creek         35B           FC         Fourth Creek         35B           FC         Fourth Creek         33           KUW         Third Creek         35B           KUW         First Creek         17           LC         Loves Creek         67	Grinder Pump Manhole 22-165 Digester Complex Air Release Valve Primary Influent Boxes 1 & 3 Subsurface Lateral Cleanout	Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	65 500 2,000 100 2,150	0.05 3 0.17 1 2		N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed BA/Grease Control	N/A N/A N/A 12 Months
6/23/2014 6/24/2014 6/25/2014 6/26/2014 7/7/2014 7/11/2014 7/15/2014 7/25/2014 7/25/2014 7/27/2014	6209         OLD RUTLEDGE PIKE           2015         NEYLAND DRIVE           5032         LYONS VIEW PIKE           1692         AMHERST ROAD           2015         NEYLAND DRIVE           1918         LYONS VIEND ROAD           2015         NEYLAND DRIVE           1335         GRAINGER AVENUE           1263         SWAN POND LANE           617         CHEOWA CIRCLE           4411         PLEASANT RIDGE ROAD	KUW         Third Creek         35B           KUW         Third Creek         34           FC         Fourth Creek         35B           FC         Fourth Creek         35B           FC         Fourth Creek         35B           KUW         Third Creek         35B           KUW         Third Creek         17           LC         Loves Creek         67           KUW         Third Creek         38           KUW         Third Creek         13	Grinder Pump Marhole 22-165 Digester Complex Air Release Valve Primary Influent Boxes 1 & 3 Subsurface Lateral Cleanout Manhole 1-2 Manhole 34-4	Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	65 500 2,000 100 2,150 Unknown 4,300	0.05 3 0.17 1 2 Unknown 1	×	N/A N/A N/A N/A Construction Underway Construction Completed	Repair Completed Repair Completed Repair Completed Repair Completed BA/Grease Control Repair Completed BA/Grease Control	N/A N/A N/A 12 Months N/A 3 Months
6/23/2014 6/24/2014 6/25/2014 6/26/2014 7/7/2014 7/15/2014 7/25/2014 7/25/2014 7/27/2014 8/5/2014	6209         OLD RUTLEDGE PIKE           2015         NEYLAND DRIVE           5032         LYONS VIEW PIKE           1692         AMHERST ROAD           2015         NEYLAND DRIVE           1918         LYONS BEND ROAD           2015         NEYLAND DRIVE           1335         GRAINGER AVENUE           1263         SWAN POND LANE           617         CHEOWA CIRCLE           4411         PLEASANT RIDGE ROAD           2015         NEYLAND DRIVE	KUW         Third Creek         35B           KUW         Third Creek         34           FC         Fourth Creek         35B           FC         Fourth Creek         35B           FC         Fourth Creek         35B           FC         Fourth Creek         35B           KUW         Third Creek         35B           KUW         Third Creek         17           LC         Loves Creek         67           KUW         Third Creek         38           KUW         Third Creek         13           KUW         Third Creek         35B	Grinder Pump Manhole 22-165 Digester Complex Air Release Valve Primary Influent Boxes 1 & 3 Subsurface Lateral Cleanout Manhole 1-2 Manhole 34-4 Digester Complex	Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the 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 - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	65 500 2,000 100 2,150 Unknown	0.05 3 0.17 1 2 Unknown 1 0.083	×	N/A N/A N/A N/A N/A Construction Underway Construction Completed N/A	Repair Completed Repair Completed Repair Completed BA/Grease Control Repair Completed BA/Grease Control Repair Completed Repair Completed	N/A N/A 12 Months N/A 3 Months N/A
6/23/2014 6/24/2014 6/26/2014 6/26/2014 7/71/2014 7/11/2014 7/12/2014 7/22/2014 7/22/2014 8/8/2014 8/21/2014	6209         OLD RUTLEDGE PIKE           2015         NEYLAND DRIVE           5032         LYONS VIEW PIKE           1682         AMHERST ROAD           2015         NEYLAND DRIVE           1918         LYONS BEND ROAD           2015         NEYLAND DRIVE           1335         GRAINGER AVENUE           1263         SWAN POND LANE           617         CHEOWA CIRCLE           4411         PLEASANT RIDGE ROAD           2015         NEYLAND DRIVE           4411         PLEASANT RIDGE ROAD           2015         NEYLAND DRIVE           4710         MURPHY ROAD           1508         COLEMAN ROAD	KUW         Third Creek         35B           KUW         Third Creek         34           FC         Fourth Creek         35B           FC         Fourth Creek         35B           FC         Fourth Creek         35B           FC         Fourth Creek         35B           KUW         Third Creek         35B           KUW         Third Creek         17           LC         Loves Creek         67           KUW         Third Creek         13           KUW         Third Creek         35B           KUW         Third Creek         35B           KUW         Third Creek         2           FC         Fourth Creek         33	Grinder Pump         Manhole 22-165         Digester Complex         Air Release Valve         Primary Influent Boxes 1 & 3         Subsurface         Lateral Cleanout         Manhole 34-4         Digester Complex         Grinder Pump         Lateral Cleanout	Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Blockage - Obris. 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. Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken Gravity Main. The sewer main was repaired & the area was cleaned.	65 500 2,000 100 2,150 Unknown 4,300 500 37 40	0.05 3 0.17 1 2 Unknown 1	×	N/A N/A N/A N/A N/A Construction Underway Construction Completed N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed BA/Grease Control Repair Completed BA/Grease Control Repair Completed Repair Completed Repair Completed	N/A           N/A           N/A           12 Months           N/A           3 Months           N/A           N/A           N/A
6/23/2014 6/24/2014 6/25/2014 6/26/2014 7/71/2014 7/11/2014 7/15/2014 7/22/2014 7/22/2014 8/5/2014 8/5/2014	6209         OLD RUTLEDGE PIKE           2015         NEYLAND DRIVE           5032         LYONS VIEW PIKE           1682         AMHERST ROAD           2015         NEYLAND DRIVE           1918         LYONS BEND ROAD           2015         NEYLAND DRIVE           1335         GRAINGER AVENUE           1263         SWAN POND LANE           617         CHEOWA CIRCLE           4411         PLEASANT RIDGE ROAD           2015         NEYLAND DRIVE           4411         PLEASANT RIDGE ROAD           2015         NEYLAND DRIVE           4710         MURPHY ROAD           1508         COLEMAN ROAD	KUW         Third Creek         35B           KUW         Third Creek         34           FC         Fourth Creek         27           KUW         Third Creek         35B           FC         Fourth Creek         35B           FC         Fourth Creek         35B           KUW         Third Creek         35B           KUW         Third Creek         35B           KUW         Third Creek         38           KUW         Third Creek         13           KUW         Third Creek         13           KUW         Third Creek         2           FC         Fourth Creek         2           FC         Fourth Creek         33           KUW         Second Creek         15	Grinder Pump         Manhole 22-165         Digester Complex         Air Release Valve         Primary Influent Boxes 1 & 3         Subsurface         Lateral Cleanout         Manhole 1-2         Manhole 34-4         Digester Complex         Grinder Pump         Lateral Cleanout         Lateral Cleanout	Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. WWTP Process Failure. WVTP process was reinstated & the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the 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 - Crease. The sewer main was flushed & area was cleaned. Blockage - Crease. The sewer main was flushed & area was cleaned. Construction Failure - Dupping Failure. The process was reinstated and the area was cleaned. Construction Failure - Pumping Failure. Pump was repaired & the area was cleaned.	65 500 2,000 100 2,150 Unknown 4,300 500 37	0.05 3 0.17 1 2 Unknown 1 0.083 1.25	×	N/A N/A N/A N/A Construction Underway Construction Completed N/A N/A N/A	Repair Completed Repair Completed Repair Completed BA/Grease Control Repair Completed BA/Grease Control Repair Completed Repair Completed Repair Completed BA/Grease Control	N/A N/A N/A 12 Months N/A 3 Months N/A N/A
6/23/2014 6/24/2014 6/26/2014 7/7/2014 7/11/2014 7/11/2014 7/22/2014 7/22/2014 7/25/2014 8/5/2014 8/5/2014 8/21/2014 8/21/2014	6209         OLD RUTLEDGE PIKE           2015         NEYLAND DRIVE           5032         LYONS VIEW PIKE           1682         AMHERST ROAD           2015         NEYLAND DRIVE           1918         LYONS BEND ROAD           2015         NEYLAND DRIVE           1335         GRAINGER AVENUE           1263         SWAN POND LANE           617         CHEOWA CIRCLE           4411         PLEASANT RIDGE ROAD           2015         NEYLAND DRIVE           4710         MURPHY ROAD           1508         COLEMAN ROAD           710 & 707         RADFORD PLACE           5236         BENT RIVER BOULEVARD           2011         R ED BUD ROAD	KUW         Third Creek         35B           KUW         Third Creek         34           FC         Fourth Creek         37           KUW         Third Creek         35B           FC         Fourth Creek         35B           FC         Fourth Creek         43           KUW         Third Creek         35B           KUW         Third Creek         35B           KUW         First Creek         17           LC         Loves Creek         67           KUW         Third Creek         38           KUW         Third Creek         35B           KUW         Third Creek         35B           KUW         Third Creek         35B           KUW         First Creek         2           FC         Fourth Creek         33           KUW         Second Creek         15	Grinder Pump         Manhole 22-165         Digester Complex         Air Release Valve         Primary Influent Boxes 1 & 3         Subsurface         Lateral Cleanout         Manhole 34-4         Digester Complex         Grinder Pump         Lateral Cleanout	Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. WWTP Process Failure. WWTP process was reinstated & the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned. Construction Failure - Digester Pumping Failure. The process was reinstated and the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Grease. The sewer main was repaired & the area was cleaned. Blockage - Grease. The sewer main was fushed & area was cleaned.	65 500 2,000 100 2,150 Unknown 4,300 500 37 40 150	0.05 3 0.17 1 2 Unknown 1 0.083 1.25	×	N/A N/A N/A N/A N/A Construction Underway Construction Completed N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed BA/Grease Control Repair Completed BA/Grease Control Repair Completed Repair Completed Repair Completed	N/A N/A N/A 12 Months N/A 3 Months N/A N/A N/A N/A N/A 6 Months

Date	Street # Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
10/14/2014	1827 PRICE AVENUE	KUW	South Knoxville		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 10/17/2014	2546 WOODROW DRIVE 2752 BIG FORK WAY	KUW LC	First Creek Loves Creek	4	Lateral Cleanout Manhole 48-55		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	100	0.5	1	N/A N/A	BA BA/Grease Control	12 Months 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.	2,800	1	•	N/A N/A	BA/Grease Control	6 Months
10/20/2014	5246 BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
10/24/2014 10/24/2014	732 N WOODDALE ROAD 241 NEALS LANDING ROAD	LC	Loves Creek	63	Manhole 20 Manholes 42 & 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.	Unknown Unknown	Unknown Unknown	1	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
10/24/2014	931 N WOODDALE ROAD	LC	Loves Creek	63	Manhole 12 & 13		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	•	Future Construction Planned	N/A N/A	N/A N/A
11/8/2014	4912 CAIN ROAD	KUW	Third Creek	11	Manhole 27-33 & BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned.	180	2		N/A	BA/Grease Control	12 Months
11/10/2014 11/11/2014	113 STATE STREET	KUW	First Creek	30	Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	300	120 Hours Intermittently 0.5		N/A N/A	Repair Completed	N/A
11/13/2014	2004 KEEPESAKE WAY 4770 CENTERLINE DRIVE	FC LC	Fourth Creek Loves Creek	43 6	Grinder Pump Manhole 66-16		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.	6.200	1.5		N/A N/A	Repair Completed Repair Completed	N/A 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 11/21/2014		KUW	Third Creek	29	Manhole 60-4 Manhole 1-2 & 4		Blockage - Grease. The sewer main was flushed & area was cleaned.	180	2 Unknown	√	N/A N/A	BA/Grease Control	6 Months N/A
11/21/2014	5619 E GOVERNOR JOHN SEVIER HIGHWAY 5615 E GOVERNOR JOHN SEVIER HIGHWAY	LC LC	Loves Creek Loves Creek	62	Combination Cleaner		Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned. Construction Failure - Cleaning Equipment Process Failure and the area was cleaned.	Unknown 1,200	1.67		N/A N/A	Repair Completed Repair Completed	N/A 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. Heavy rainfall in the area resulted in high flows in the collection system.	520	1	√	Construction Completed	Repair Completed	N/A
12/11/2014 12/12/2014	6410 S RUGGLES FERRY PIKE 906 HENRIETTA DRIVE	LC KUW	Loves Creek First Creek	62	Manhole 3-1 Manhole 51-25		Blockage - Grease. The sewer main was flushed & area was cleaned.	Unknown 50	Unknown 2		Construction Completed N/A	N/A BA/Grease Control	N/A 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
1/12/2015 1/12/2015	5500 FOXWOOD ROAD 4429 OAKBANK LANE	KUW	Third Creek Third Creek	11	Manholes 23-33, 23-34, & Lateral Cleanout at 5500 Foxwood Road Lateral Cleanout and BBU	BBU	Vandalism. Blockage was removed & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	24,500	3	✓ ✓	N/A N/A	Repair Completed BA/Grease Control	N/A 12 Months
1/14/2015	925 N WOODDALE ROAD	LC	Loves Creek	63	Manholes 12 & 13	660	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	$\checkmark$	Future Construction Planned	N/A	N/A
1/21/2015	601 S CENTRAL STREET	KUW	First Creek	30	Manhole 3-32		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	550	1		N/A	Repair Completed	N/A
1/22/2015 1/26/2015	6803 STOCKTON DRIVE 312 BEECHWOOD DRIVE	FC KUW	Fourth Creek Knob Creek	27 41	Manholes 38 & 39 Manhole 8-54		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 400	Unknown	✓	Future Construction Planned N/A	N/A Repair Completed	N/A N/A
2/6/2015	781 BAGWELL ROAD	LC	Loves Creek	62	Manhole 3		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	150	1.5	✓	N/A N/A	Repair Completed	N/A
2/8/2015	2021 CUMBERLAND AVENUE	KUW	Third Creek	35b	Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	100	3	$\checkmark$	N/A	BA/Grease Control	12 Months
2/9/2015	781 BAGWELL ROAD	LC	Loves Creek	62	Manhole 3		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	150	1	√	N/A	Repair Completed	N/A
2/10/2015 2/10/2015	4424 MASCARENE ROAD 3547 TALAHI DRIVE	KUW	Third Creek Third Creek	11 38	Manhole 6-102 Manhole 13-54		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	8,700 180	2		N/A N/A	BA/Grease Control BA/Grease Control	12 Months 6 Months
2/10/2015	1007 W PARKWAY AVENUE	KUW	First Creek	4	Manhole 57-8		Blockage - Grease. The sewer main was flushed & area was cleaned.	180	1		N/A	BA/Grease Control	24 Months
2/21/2015	5002 BEVERLY ROAD	KUW	First Creek	2	Manhole 43-17 and BBU	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned.	65	2		N/A	BA	12 Months
2/27/2015 3/4/2015	2701 MARY EMILY LANE 4325 LYONS POINTE LANE	LC	Loves Creek Fourth Creek	6	Grinder Pump Subsurface		Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	3 150	0.25		N/A Future Construction Planned	Repair Completed N/A	N/A N/A
3/4/2015	5412 FOXWOOD ROAD	FC KUW	Third Creek	11	Manholes 23-33, 23-34, 23-28, 23-29 and BBU at 5316 Fawnwood Road	BBU	Blockage - Debris. The sever main was flushed & area was cleaned.	9,404	2	✓	N/A	Repair Completed	N/A N/A
3/11/2015	925 N WOODDALE ROAD	LC	Loves Creek	63	Manholes 12 & 13		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
3/11/2015	6803 STOCKTON DRIVE	FC	Fourth Creek	27	Manholes 38 & 39		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown 0.01	√	Future Construction Planned	N/A	N/A
3/17/2015 3/21/2015	815 S CENTRAL STREET 7750 WASHINGTON PIKE	KUW EB	First Creek Eastbridge	30 109	Bypass Pump Residential grinder pump		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	1	0.01		N/A N/A	Repair Completed Repair Completed	N/A N/A
3/24/2015	781 BAGWELL ROAD	LC	Loves Creek	62	Manhole 3		Construction Failure - Bypass Pump Failure. Pump was repaired a the area was cleaned.	24,000	5.5	$\checkmark$	N/A	Repair Completed	N/A
3/24/2015	601 VAN STREET	KUW	Second Creek	23	Manhole 19-262		Blockage - Grease. The sewer main was flushed & area was cleaned.	3	1		N/A	BA/Grease Control	6 Months
4/1/2015 4/2/2015	407 HAYWOOD AVENUE 4208 MASCARENE ROAD	KUW	South Knox Third Creek	40	Manhole 39-21 Manhole 5-12		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	45	2		N/A N/A	BA BA/Grease Control	12 Months 12 Months
4/2/2015	1540 JOUROLMAN AVENUE	KUW	Third Creek	22	Manhole 6-194 and BBU at 1540 Jourolman Avenue	BBU	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	1,045	4		N/A N/A	BA/Grease Control	3 Months
4/12/2015	5201 FOXWOOD ROAD	KUW	Third Creek	11	Manhole 23-8 and lateral cleanout at 5206 Foxwood Road		Blockage - Debris. The sewer main was flushed & area was cleaned.	7,500	10	$\checkmark$	N/A	Repair Completed	N/A
4/15/2015	806 E INSKIP DRIVE	KUW	First Creek	7	Manhole 29-59 and lateral cleanout at 800 E. Inskip Drive		Blockage - Grease. The sewer main was flushed & area was cleaned.	1,900	2		N/A	BA/Grease Control	12 Months
4/15/2015 4/20/2015	1818 WOODBINE AVENUE 925 N WOODDALE ROAD	KUW LC	First Creek Loves Creek	24 63	Broken Lateral Manholes 12 & 13		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	97 Unknown	Unknown	✓	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
4/24/2015	2800 CARSON AVENUE	KUW	First Creek	18	Manhole 30-27		Blockage - Debris. The sewer main was flushed & area was cleaned.	50	1		N/A	BA	12 Months
4/24/2015	4205 TOMLINSON STREET	KUW	South Knox	39	Subsurface		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	Unknown	Unknown		N/A	Repair Completed	N/A
4/25/2015 5/7/2015	2120 CUMBERLAND AVENUE 5323 BENT RIVER BOULEVARD	KUW FC	Third Creek Fourth Creek	35b 43	Manhole 28 Residential Grinder Pump		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	950	2.25 0.5	✓	N/A N/A	Repair Completed	N/A N/A
5/7/2015	2700 WAVERLY STREET	KUW	Third Creek	22	MH 18-105 & bypass pump hose joints on 2724 Western Avenue property		Construction Failure - Bypass Pump Failure. Pump was repaired a the area was cleaned.	550	0.5		N/A	Repair Completed Repair Completed	N/A
5/12/2015	1511 CLINCH AVENUE		Second Creek	35a	Lateral Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	550	1		N/A	BA	12 Months
6/22/2015	5332 BUCKHEAD TRAIL 241 NEALS LANDING ROAD	FC	Fourth Creek	43	Air Release Valve Manhole 42		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.	200	3 Unknown	/	N/A Euture Construction Planned	Repair Completed	N/A
7/17/2015 7/27/2015	4309 CRUZE ROAD	LC KUW	Loves Creek South Knox	63 40	Manhole 42 Manhole 72-5		Blockage - Roots. The sewer main was flushed & area was cleaned.	18,000	2.25	v	N/A	N/A BA	N/A 24 Months
8/2/2015	812 GREENMEADOWS DRIVE	KUW	Knob Creek	41	Manhole 21-2		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	75	1.5		N/A	BA/Grease Control	24 Months
8/18/2015	4308 WOODLAWN PIKE	KUW	South Knox	40	Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	50	1		N/A	BA	6 Months
8/21/2015 8/21/2015	7602 BUD HAWKINS ROAD 1219 GREENS CROSSING ROAD	EB FC	Eastbridge Fourth Creek	113 27	Grinder Pump Manhole 24-32		Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	6 400	0.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
8/22/2015	1915 CUMBERLAND AVENUE		Third Creek	35b	Lateral Cleanout		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	850	2	✓	N/A N/A	Repair Completed	N/A
8/28/2015	4800 MALONEYVILLE ROAD	EB	Eastbridge	109	Manhole 93-1		Blockage - Roots. The sewer main was flushed & area was cleaned.	650	3	· · · ·	N/A	BA	3 Months
8/29/2015 8/30/2015	2752 BIG FORK WAY 7100 SHADYLAND DRIVE	LC FC	Loves Creek Fourth Creek		Manhole 48-55 Building Exterior and BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	750 55	2	✓	N/A N/A	BA/Grease Control BA	12 Months 12 Months
9/8/2015	2637 MARYVILLE PIKE	KUW	Knob Creek	45	Grinder Pump	550	Grinder Pump Failure. Pump was repaired & the area was cleaned.	70	3		N/A N/A	Repair Completed	N/A
9/12/2015	4917 BALL ROAD	FC	Fourth Creek	49	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	30,500	10		N/A	Repair Completed	N/A
9/16/2015	2545 BUFFAT MILL ROAD	KUW	First Creek	17	Unconnected Lateral		Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	31	1.5		N/A	Repair Completed	N/A
9/29/2015	4622 SULLIVAN ROAD	KUW	Third Creek	12	Lateral Cleanout		Construction Failure by Third Party - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned	900	2		N/A	Repair Completed	N/A
10/10/2015	5112 LYONS VIEW PIKE	KUW	Third Creek	34	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1		N/A	Repair Completed	N/A
10/23/2015	400 W JACKSON AVENUE	KUW	First Creek	30	Cleanout		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1.5		N/A	BA DA/Connection	6 Months
11/11/2015 11/11/2015	1401 CASSELL DRIVE 5617 RIDGEWOOD ROAD	KUW	Second Creek First Creek	10	Manhole 14-103 Manhole 21 & 21-1		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	250 850	1 6		N/A N/A	BA/Grease Control Repair Completed	3 Months N/A
11/12/2015	3338 ROBERTS ROAD	EB	Eastbridge	114	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	15	1		N/A N/A	Repair Completed	N/A N/A
11/13/2015	600 CITICO STREET	KUW	Third Creek	29	Manhole 60-4		Blockage - Grease. The sewer main was flushed & area was cleaned.	110	1	$\checkmark$	N/A	BA/Grease Control	6 Months
11/22/2015 11/25/2015	2906 S HAVEN ROAD 400 W JACKSON AVENUE	KUW KUW	South Knox	40 30	Manhole 24-141 Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	450 50	1		N/A N/A	BA/Grease Control BA	6 Months 6 Months
11/25/2015	7113 DEANE HILL DRIVE	FC	First Creek	30			Biockage - Debris. The sewer main was inusited & area was cleaned. Broken System - Broken Gravity Main due to Storm Sewer Failure. The sewer main was repaired & the area was cleaned.	16.400	3		N/A N/A		6 Months N/A
12/2/2015 12/2/2015	6803 STOCKTON DRIVE		Fourth Creek Fourth Creek		Subsurface Manhole 38 & 39		Broken System - Broken Gravity Main due to Storm Sewer Failure. The sewer main was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	16,400 Unknown	3 Unknown	√	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
12/7/2015	5205 BENT RIVER BOULEVARD		Fourth Creek		Grinder Pump and Lateral Cleanout		Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A N/A
	4521 N WAHLI DRIVE											· · ·	
12/7/2015 12/9/2015	310 BROOME ROAD	KUW FC	First Creek Fourth Creek	7 32A	Manhole 38 and Lateral Cleanouts at 4521 North Wahli Drive and 1108 Adair Drive Manhole 1 and Subsurface		Blockage - Grease. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	9,000	4		N/A N/A	BA/Grease Control Repair Completed	12 Months N/A
12/9/2015	4429 OAKBANK LANE	KUW	Third Creek	32A 11	Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	13,000	2	✓	N/A N/A	Repair Completed BA/Grease Control	6 Months
12/23/2015	4201 STRAWBERRY PLAINS PIKE	KUW	Riverdale	65	Air Release Valve		Construction Failure - Air Release Valve Flushing Failure. The valve was replaced & the area cleaned.	349,800	3		N/A	Repair Completed	N/A
12/24/2015	2008 RIVERSIDE DRIVE	KUW KUW	Williams Creek		Manhole 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.	29,000	2		Future Construction Planned	N/A N/A	N/A N/A
12/28/2015	1404 ADAIR DRIVE		First Creek	7	Lateral Cleanout	1	meavy rainiau in the area resulted in high tiows in the collection system	100	1 1		Future Construction Planned		- N/Δ

						Private Property			Event occurred two or more		Short-Term Controls	
Date	Street # Street	Pla			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
6/2/2014 2/10/2013	3917 ACORN DRIVE 4811 BEVERLY ROAD	KU\ KU\			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
2/21/2015	5002 BEVERLY ROAD	KU			Manhole 43-17 and BBU	BBU Blockage - Roots. The sewer main was flushed & area was cleaned.	65	2		N/A	BA	12 Months
8/29/2002	4710 MURPHY ROAD 4710 MURPHY ROAD	KUV			Wetwell	Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	10	2		N/A N/A	Repair Completed	N/A N/A
3/25/2008 5/5/2009	4710 MURPHY ROAD	KU\ KU\			Grinder Pump Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	100	2.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
8/8/2014	4710 MURPHY ROAD 5209 MURPHY ROAD	KU/			Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	37	1.25		N/A	Repair Completed	N/A
12/10/2011 10/1/2012	3902 OAKLAND DRIVE	KU\ KU\			Grinder Pump & BBU Lateral Cleanout	BBU Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	30	2		N/A N/A	Repair Completed BA	N/A 6 Months
3/5/2013	4128 OAKLAND DRIVE	KU			MH 39-6	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Completed	N/A	N/A
5/28/2008 1/6/2009	4144 OAKLAND DRIVE 4144 OAKLAND DRIVE	KU\ KU\			MHs 39-4,39-44,39-45 & Lateral Cleanout MHs 39-4,39-44,39-45 & 2 Lateral Cleanouts	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	45,655 22,475	11	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/11/2013	2840 ESSARY DRIVE	KU	V First Creek	: 3	MH 2-14	Blockage - Grease. The sewer main was flushed & area was cleaned.	180	1		N/A	BA/Grease Control	6 months
4/30/2014 4/16/2014	3037 GIBBS DRIVE 2822 PRUDEN DRIVE	KU\ KU\			Lateral Cleanout & BBU Manhole 14-40	BBU Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	35	0.5		N/A N/A	BA	12 Months 12 Months
11/11/2015	5617 RIDGEWOOD ROAD	KU\	V First Creel	< 3	Manhole 21 & 21-1	Blockage - Debris. The sewer main was flushed & area was cleaned.	850	6		N/A	Repair Completed	N/A
1/16/2013 1/24/2010	2412 BERNHURST DRIVE 2414 BERNHURST DRIVE	KU\ KU\			MH 18-54 MHs 18-58, 18-54 & 18-53	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Unknown. The sewer main was flushed & area was cleaned.	1,425	2		Future Construction Planned	N/A BA	N/A 6 Months
1/15/2013	2328 CEDAR LANE	KU			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	KU\ KU\			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	KU			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	N/A N/A
1/30/2013	2538 FAIR DRIVE	KU			MH 20-1	Heavy rainfall in the area resulted in high flows in the collection system.	450	3	✓	Future Construction Planned	N/A	N/A
11/30/2010 1/17/2013	2541 FAIR DRIVE 2541 FAIR DRIVE	KU\ KU\			MH 20-2 MH 20-2	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.	150 13,900	48	✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/16/2011 2/8/2013	2544 FAIR DRIVE 5029 FIELDCREST LANE	KU\ KU\	V First Creel	κ 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 BA	N/A 6 Months
12/12/2013	906 HENRIETTA DRIVE	KU			Manhole 51-25	Blockage - Grease. The sever main was flushed & area was cleaned.	50	2		N/A N/A	BA/Grease Control	6 Months
10/18/2014	1115 HENRIETTA DRIVE	KU\			Manhole 53 and BBU	BBU Blockage - Grease. The sewer main was flushed & area was cleaned.	2,800	1		N/A	BA/Grease Control	6 Months
7/10/2013 3/8/2014	2309 MAPLE DRIVE 5400 PAULA ROAD	KU\ KU\			Lateral Cleanout MH 58-5	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned.	Unknown 575	Unknown 2.5		Future Construction Planned N/A	BA	N/A 24 Months
2/10/2015	1007 W PARKWAY AVENUE	KU	V First Creel	κ 4	Manhole 57-8	Blockage - Grease. The sewer main was flushed & area was cleaned.	180	1		N/A	BA/Grease Control	24 Months
4/29/2013 10/14/2014	1028 W PARKWAY AVENUE 2546 WOODROW DRIVE	KU\ KU\			MH 51-15 Lateral Cleanout	Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	25	1 0.5		N/A N/A	Repair Completed BA	N/A 12 Months
10/15/2012	108 CARON DRIVE	KU\	V Second Cre	ek 5	MH 16-57	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,150	2		N/A	BA	6 Months
1/7/2009 8/27/2013	701 CEDAR LANE 117 CHARLENE LANE	KU/	V Second Cre V Second Cre		MH 35-4 MH 16-9	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	37,450 4,300	26		N/A N/A	BA	3 Months 12 Months
11/16/2013	5730 DAVIDA ROAD	KU\			MH 8-83	Blockage - Debris. The sewer main was flushed & area was cleaned.	180	1		N/A	BA	12 Months
1/6/2010 7/22/2013	905 KERMIT DRIVE	KU\ KU\			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
2/21/2013	5417 SCENICWOOD ROAD	KU\			MIT 4-34 MH 8-53 & 8-54	Blockage - Debris. The sewer main was repared and the area was cleaned.	1,400	2		N/A N/A	BA	12 Months
2/4/2014	5605 WALLWOOD ROAD	KU			Lateral Cleanout	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	10	1		N/A	BA	18 Months
12/12/2012 11/26/2012	5704 WAYNEWOOD ROAD 5016 WILFORD ROAD	KU\ KU\	V Second Cre V Second Cre		MH 16-22 MH 2	Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	360	2		N/A N/A	BA Repair Completed	9 Months N/A
10/17/2014	2752 BIG FORK WAY	LC	Loves Cree	k 6	Manhole 48-55	Blockage - Grease. The sewer main was flushed & area was cleaned.	50	1	✓ ✓	N/A	BA/Grease Control	6 Months
8/29/2015 11/13/2014	2752 BIG FORK WAY 4770 CENTERLINE DRIVE	LC			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.	750 6,200	1.5	•	N/A N/A	BA/Grease Control Repair Completed	12 Months N/A
10/13/2013	4319 COMET LANE	LC	Loves Cree	k 6	Lateral Cleanout	Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	140	2		N/A	BA	12 Months
2/27/2015 9/30/2013	2701 MARY EMILY LANE 5255 MCINTYRE ROAD	LC			Grinder Pump MH 33-7	Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	3	0.25		N/A N/A	Repair Completed BA	N/A 12 Months
1/29/2014	1310 MEMORY LANE	LC	Loves Cree	k 6	MH 29-33	Blockage - Roots. The sewer main was flushed & area was cleaned.	35	3		N/A	BA	3 Months
8/23/2005 9/5/2011	2304 WOODS CREEK ROAD 1308 ADAIR DRIVE	LC KU\			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.	5 500	2		N/A Construction Completed	Repair Completed N/A	N/A N/A
9/18/2012	1309 ADAIR DRIVE	KU\	V First Creel	κ 7	MH 28	Heavy rainfall in the area resulted in high flows in the collection system.	2,000	2		Construction Completed	N/A	N/A
7/11/2011 12/28/2015	1313 ADAIR DRIVE	KU\ KU\			MH 28-1 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.	Unknown 100	Unknown 1		Construction Completed Future Construction Planned	N/A N/A	N/A N/A
4/15/2015	806 E INSKIP DRIVE	KU	V First Creel	κ 7	Manhole 29-59 and lateral cleanout at 800 E. Inskip Drive	Blockage - Grease. The sewer main was flushed & area was cleaned.	1,900	2		N/A	BA/Grease Control	12 Months
11/15/2012	4517 N WAHLI DRIVE	KU\	V First Creel	K 7	MH 39 Manhole 38 and Lateral Cleanouts at 4521 North Wahli Drive and 1108	Blockage - Roots. The sewer main was flushed & area was cleaned.	725	2	✓	Construction Completed	BA	12 Months
12/7/2015	4521 N WAHLI DRIVE	KU\			Adair Drive	Blockage - Grease. The sewer main was flushed & area was cleaned.	9,000	4		N/A	BA/Grease Control	12 Months
3/20/2013 3/28/2003	4525 N WAHLI DRIVE 4713 OLD BROADWAY	KU\ KU\			Lateral Cleanout MH 2	Construction Failure - Pressure Testing Process Failure. The area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	30 Unknown	1 Unknown	✓ ✓	Construction Completed Construction Completed	N/A BA	N/A 12 Months
1/28/2004	4713 OLD BROADWAY	-	V First Creel		MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	50	2	√	Construction Completed	BA	12 Months
2/6/2004	4713 OLD BROADWAY	KU\			MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	13,500	18	1	Construction Completed	BA	12 Months
3/6/2004 6/23/2004	4713 OLD BROADWAY 4713 OLD BROADWAY	KU\ KU\			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.	3150 Unknown	2.5 Unknown	√ √	Construction Completed Construction Completed	BA	12 Months 12 Months
9/20/2004	4713 OLD BROADWAY	KU	V First Creel	κ 7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	561	5	✓	Construction Completed	BA	12 Months
11/24/2004 12/1/2004	4713 OLD BROADWAY 4713 OLD BROADWAY	KU\ KU\			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.	2040 37,400	11.3 12	✓ ✓	Construction Completed Construction Completed	BABA	12 Months 12 Months
12/1/2004	4713 OLD BROADWAY 4713 OLD BROADWAY	KU\ KU\			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.	37,400 54,720	9.5	✓ ✓	Construction Completed	BA	12 Months 12 Months
12/9/2004	4713 OLD BROADWAY	KU\	V First Creel	< 7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	1,008,120	62	4	Construction Completed	BA	12 Months
4/19/2005 1/17/2006	4713 OLD BROADWAY 4713 OLD BROADWAY	KU\ KU\			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.	250 270	2	✓ ✓	Construction Completed Construction Completed	BA BA	12 Months 12 Months
1/26/2006 4/8/2006	4713 OLD BROADWAY 4713 OLD BROADWAY	KU/	V First Creek	< 7	MH 2 MH 2	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	14025 20196	1	√ √	Construction Completed	BA	12 Months 12 Months
4/8/2006	4713 OLD BROADWAY 4713 OLD BROADWAY	KU			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.	20196 89670	12 12	× · · · · · · · · · · · · · · · · · · ·	Construction Completed Construction Completed	BA	12 Months 12 Months
9/24/2006	4713 OLD BROADWAY	KU	V First Creek	κ 7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	197712	6	~	Construction Completed	BA	12 Months
1/26/2010 3/22/2011	4713 OLD BROADWAY 4713 OLD BROADWAY	KU\ KU\			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	√	Construction Completed Construction Completed	BA N/A	12 Months N/A
4/16/2011	4713 OLD BROADWAY	KU\	V First Creel	κ 7	MHs 2 & 63	Heavy rainfall in the area resulted in high flows in the collection system.	24,500	3	✓	Construction Completed	N/A	N/A
1/15/2013 7/15/2013	4719 OLD BROADWAY 4719 OLD BROADWAY	KU/			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	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
5/25/2012	4601 SEMINOLE ROAD	KU	V First Creel	< 7	Broken Gravity Main	Blockage - Debris. The sewer main was flushed & area was cleaned.	3,800	2	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A	N/A
9/23/2006	4600 UPCHURCH ROAD	KU\ KU\			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.	360 105	2		Construction Completed Construction Completed	N/A N/A	N/A N/A
1/27/2010	4600 LIPCHURCH ROAD			K 7	MH 45	Heavy rainfall in the area resulted in high flows in the collection system.	100	2		Construction Completed	N/A	N/A
1/27/2010 3/2/2011	4600 UPCHURCH ROAD 4600 UPCHURCH ROAD	KU\		< 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
3/2/2011 5/14/2012	4600 UPCHURCH ROAD 4600 UPCHURCH ROAD	KU\ KU\	V First Creel			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.	90 67,000	12	-	Construction Completed	N/A	N/A N/A
3/2/2011	4600 UPCHURCH ROAD	KU\	V First Creel V First Creel	ς 7		Construction railule - Diockage by Construction Debris. The server main was rushed a the area was cleaned.		12		N/A	Repair Completed	N/A
3/2/2011 5/14/2012 2/19/2003 7/9/2013 11/24/2004	4600 UPCHURCH ROAD 4600 UPCHURCH ROAD 4606 UPCHURCH ROAD 1201 WATERCRESS DRIVE 1216 WATERCRESS DRIVE		W         First Creel           N         First Creel           N         First Creel           N         First Creel           N         First Creel	< 7 7 4 7 4 7	Lateral Cleanout MH 29-9	Blockage - Grease. The sewer main was flushed & area was cleaned.	3960	8.25		Construction Completed	BA/Grease Control	6 Months
3/2/2011 5/14/2012 2/19/2003 7/9/2013	4600 UPCHURCH ROAD 4600 UPCHURCH ROAD 4606 UPCHURCH ROAD 1201 WATERCRESS DRIVE		W         First Creel           W         First Creel           V         First Creel           V         First Creel           V         First Creel           V         First Creel	x 7 x 7 x 7 x 7 x 7	Lateral Cleanout MH 29-9 MH 29-9		3960 1440 65					
3/2/2011 5/14/2012 2/19/2003 7/9/2013 11/24/2004 9/23/2006 12/11/2008 12/3/2010	4600 UPCHURCH ROAD 4600 UPCHURCH ROAD 4606 UPCHURCH ROAD 1201 WATERCRESS DRIVE 1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE	KUV KUV KUV KUV KUV KUV KUV	W         First Creel           W         First Creel           V         First Creel	K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7	Lateral Cleanout MH 29-9 MH 29-9 MH 29-9 MH 29-9 MH 29-9	Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1440 65 1000	8.25 6		Construction Completed Construction Completed Construction Completed Construction Completed	BA/Grease Control BA BA BA BA	6 Months 6 Months 6 Months 6 Months
3/2/2011 5/14/2012 2/19/2003 7/9/2013 11/24/2004 9/23/2006 12/11/2008	4600 UPCHURCH ROAD 4600 UPCHURCH ROAD 1201 WATERCRESS DRIVE 1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE	KUV KUV KUV KUV KUV KUV KUV	V         First Creel	K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7	Lateral Cleanout MH 29-9 MH 29-9 MH 29-9 MH 29-9 MH 29-9 MH 29-9	Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1440 65	8.25 6 1		Construction Completed Construction Completed Construction Completed	BA/Grease Control BA BA	6 Months 6 Months 6 Months
3/2/2011 5/14/2012 2/19/2003 7/9/2013 11/24/2004 9/23/2006 12/11/2008 12/3/2010 3/3/2011 6/24/2011 9/9/2011	4600 UPCHURCH ROAD 4600 UPCHURCH ROAD 1201 WATERCRESS DRIVE 1216 WATERCRESS DRIVE	KUN KUN KUN KUN KUN KUN KUN KUN KUN	V         First Creel           V         First Creel	K         7           i         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7	Lateral Cleanout MH 29-9 MH 29-9 MH 29-9 MH 29-9 MH 29-9 MH 29-9 MH 29-9 MH 29-9	Blockage - Grease. The sewer main was flushed & area was cleaned.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.	1440 65 1000 50 60 50	8.25 6 1		Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed	BA/Grease Control BA BA BA N/A N/A N/A N/A	6 Months 6 Months 6 Months N/A N/A N/A
3/2/2011 5/14/2012 2/19/2003 7/9/2013 11/24/2004 9/23/2006 12/11/2008 12/11/2008 12/3/2010 3/3/2011 6/24/2011	4600 UPCHURCH ROAD 4600 UPCHURCH ROAD 1201 WATERCRESS DRIVE 1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE 1216 WATERCRESS DRIVE	KUN KUN KUN KUN KUN KUN KUN KUN	W         First Creel           V         First Creel	x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7           x         7	Lateral Cleanout MH 29-9 MH 29-9 MH 29-9 MH 29-9 MH 29-9 MH 29-9 MH 29-9	Blockage - Grease. The sewer main was flushed & area was cleaned.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.	1440 65 1000 50 60	8.25 6 1	√	Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed	BA/Grease Control BA BA BA N/A N/A	6 Months 6 Months 6 Months 6 Months N/A N/A
3/2/2011 5/14/2012 2/19/2003 7/9/2013 11/24/2004 9/23/2006 12/11/2008 12/3/2010 3/3/2011 5/24/2011 9/9/2011 11/16/2011 11/16/2011	4600 UPCHURCH ROAD     4600 UPCHURCH ROAD     4606 UPCHURCH ROAD     1201 WATERCRESS DRIVE     1216 WATERCRESS DRIVE	KUN KUN KUN KUN KUN KUN KUN KUN KUN KUN	V First Creel V First Creel	K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7	Lateral Cleanout MH 29-9 MH 29-9	Blockage - Grease. The sewer main was flushed & area was cleaned.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.         Heavy rainfall in the area resulted in high flows in the collection system.	1440 65 1000 50 60 50 200 150 1,000	8.25 6 1 3 1 1 1 1 1	√	Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed	BA/Grease Control BA BA BA N/A N/A N/A N/A N/A N/A N/A	6 Months 6 Months 6 Months N/A N/A N/A N/A N/A N/A N/A
3/2/2011 5/14/2012 2/19/2003 7/9/2013 11/24/2004 9/23/2006 12/11/2008 12/3/2010 6/24/2011 9/9/2011 11/16/2011 11/26/2011	4600 UPCHURCH ROAD 4600 UPCHURCH ROAD 1201 WATERCRESS DRIVE 1216 WATERCRESS DRIVE	KUN KUN KUN KUN KUN KUN KUN KUN KUN KUN	V First Creel V First Creel	K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7	Lateral Cleanout MH 29-9 MH 29-9	Blockage - Grease. The sewer main was flushed & area was cleaned.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.	1440 65 1000 50 60 50 200 150	8.25 6 1 3 1 1 1 1 1	√	Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed	BA/Grease Control BA BA NA N/A N/A N/A N/A N/A N/A	6 Months 6 Months 6 Months N/A N/A N/A N/A N/A
3/2/2011 5/14/2012 2/19/2003 7/9/2013 11/24/2004 9/23/2006 12/11/2008 12/3/2010 3/3/2011 6/24/2011 11/16/2011 11/16/2011 11/28/2011 1/28/2011 1/28/2011	4600 UPCHURCH ROAD     4600 UPCHURCH ROAD     4606 UPCHURCH ROAD     1201 WATERCRESS DRIVE     1216 WATERCRESS DRIVE	KU KU KU KU KU KU KU KU KU KU KU KU KU K	V First Creel V First Creel	K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7           K         7	Lateral Cleanout MH 29-9 MH 29-9	Blockage - Grease. The sewer main was flushed & area was cleaned.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.           Heavy rainfall in the area resulted in high flows in the collection system.	1440 65 1000 50 60 50 200 150 1,000 200	8.25 6 1 3 1 1 1 1 1	√	Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed Construction Completed	BA/Grease Control BA BA N/A N/A N/A N/A N/A N/A N/A N/A	6 Months 6 Months 6 Months N/A N/A N/A N/A N/A N/A N/A

Date Stree	et # Street	Plant Watershed B		ivate Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
2/3/2014 1/6/2009	3218 BORIGHT DRIVE 3410 BORIGHT DRIVE		8 MH 40-1 8 MHs 42.43.44 & 45		Construction Failure - A failed connection on a temporary system was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	2,250 4,830	9 9,5	✓	N/A Construction Completed	Repair Completed	N/A N/A
12/18/2009	3410 BORIGHT DRIVE		8 MHs 42 & 43		Blockage - Grease. The sewer main was flushed & area was cleaned.	3,310	6	· · · · · · · · · · · · · · · · · · ·	Construction Completed	BA/Grease Control	6 Months
1/30/2010	3410 BORIGHT DRIVE		8 MHs 45, 44, 43, 42, 41, 40 and 39		Heavy rainfall in the area resulted in high flows in the collection system.	12750	8	V	Construction Completed	BA	6 Months
4/16/2011 I/15/2013	3410 BORIGHT DRIVE 3410 BORIGHT DRIVE		8 MHs 43 & 44 8 MHs 42, 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 70.650	4 28	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
/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 Completed	N/A	N/A
5/24/2011 7/7/2013 3621	3621 BORIGHT DRIVE		8 MH 45 8 MH 46-16 & 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.	400	3	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
10/20/2012	313 FORESTAL DRIVE		8 MH 7-72		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1.5		N/A	BA	12 Months
5/12/2014	330 FORESTAL DRIVE		8 Manhole 7-76		Blockage - Debris. The sewer main was flushed & area was cleaned.	170	1		N/A	BA	6 Months
11/11/2015 4/16/2011	1401 CASSELL DRIVE 4100 CENTRAL AVENUE PIKE		10 Manhole 14-103 10 MH 17-9		Blockage - Grease. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	250 800	1 4	✓	N/A Construction Completed	BA/Grease Control N/A	3 Months N/A
2/4/2013	4100 CENTRAL AVENUE PIKE		10 MH 17-9		Heavy rainfall in the area resulted in high flows in the collection system.	50	1	~	Construction Completed	N/A	N/A
7/7/2013	4100 CENTRAL AVENUE PIKE 4100 CENTRAL AVENUE PIKE	KUW Second Creek	10 MH 17-9 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 3/3/2011	4100 CENTRAL AVENUE PIKE 4105 CENTRAL AVENUE PIKE		10 MH 17-9 10 MH 17-8		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.	<u> </u>	0.25	v ✓	N/A Construction Completed	Repair Completed N/A	N/A N/A
12/16/2009	4315 CLINTON HIGHWAY	KUW Second Creek	10 Lateral Cleanout		Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	4,855	48 Hours Intermittently		N/A	Repair Completed	N/A
11/18/2012 2/20/2014	4315 CLINTON HIGHWAY 604 DUTCH VALLEY DRIVE		10 Lateral Cleanout 10 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 37,500	1 2.5		N/A N/A	BA BA/Grease Control	12 Months 12 Months
1/25/2012	310 KENSI DRIVE		10 Lateral Cleanout & BBU at 312 Kensi Drive	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	325	2.5		N/A N/A	BA/Grease Control	6 Months
1/14/2013	5829 BALL CAMP PIKE		11 MH 11-48		Blockage - Grease. The sewer main was flushed & area was cleaned.	10,600	4		N/A	BA/Grease Control	12 Months
11/8/2014 11/21/2013	4912 CAIN ROAD 6512 ELLESMERE DRIVE		11 Manhole 27-33 & BBU 11 MH 52-6	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	180 450	2		N/A N/A	BA/Grease Control BA	12 Months 12 Months
4/12/2015	5201 FOXWOOD ROAD		11 Manhole 23-8 and lateral cleanout at 5206 Foxwood Road		Blockage - Debris. The sewer main was flushed & area was cleaned.	7,500	10	$\checkmark$	N/A	Repair Completed	N/A
3/9/2015	5412 FOXWOOD ROAD	KUW Third Creek	11 Manholes 23-33, 23-34, 23-28, 23-29 and BBU at 5316 Fawnwood Road	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	9.404	2	~	N/A	Repair Completed	N/A
1/12/2015	5500 FOXWOOD ROAD		11 Manholes 23-33, 23-34, & Lateral Cleanout at 5500 Foxwood Road	660	Vandalism. Blockage was removed & the area was cleaned.	24,500	3	· · · · · · · · · · · · · · · · · · ·	N/A N/A	Repair Completed	N/A N/A
7/1/2012	5745 GOLDENROD CIRCLE	KUW Third Creek	11 MH 11-20		Blockage - Debris. The sewer main was flushed & area was cleaned.	100	1		N/A	BA	12 Months
4/2/2015 2/10/2015	4208 MASCARENE ROAD 4424 MASCARENE ROAD		11 Manhole 5-12 11 Manhole 6-102		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	65 8,700	1 3		N/A N/A	BA/Grease Control BA/Grease Control	12 Months 12 Months
1/30/2013	3305 MCKAMEY ROAD	KUW Third Creek	11 MH 13		Heavy rainfall in the area resulted in high flows in the collection system.	6,400	9		Construction Underway	N/A	N/A
1/12/2015	4429 OAKBANK LANE		11 Lateral Cleanout and BBU	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	2,715	3	✓ ./	N/A	BA/Grease Control	12 Months
12/19/2015 3/11/2013	4429 OAKBANK LANE 4728 BALL CAMP PIKE		Lateral Cleanout           12         Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	1,000 1,100	2	v	N/A N/A	BA/Grease Control BA/Grease Control	6 Months 6 Months
3/10/2012	4901 BALL CAMP PIKE		12 Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	2,500	4.5		N/A	BA	9 Months
3/30/2014 6/4/2012	3921 DEERFIELD ROAD 5412 MAYWOOD ROAD		12 MH 9-5 12 MHs 20-16 & 20-20		Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	750 70	2		N/A N/A	BA BA/Grease Control	6 Months 6 Months
0/4/2012		NOW THILd Cleek	12 WI IS 20-10 & 20-20			10			INA	DA/Grease Control	0 10011013
9/29/2015	4622 SULLIVAN ROAD		12 Lateral Cleanout		Construction Failure by Third Party - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned Blockage - Grease. The sewer main was flushed & area was cleaned.	900	2		N/A	Repair Completed	N/A
9/28/2012 1/25/2010	4205 DRIFTING DRIVE 4505 MIDDLEBROOK PIKE		13 MH 31-19 13 Diversion Structure		Heavy rainfall in the area resulted in high flows in the collection system.	200 21600	2 4		N/A Future Construction Planned	BA/Grease Control N/A	12 Months 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		Construction Completed	BA/Grease Control	3 Months
2/9/2012	1613 WANDERING ROAD		13         MH 52-3           14         MH 10-27 & Lateral Cleanout at 222 Radford Place & BBU	DDU	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	200	3		N/A	BA/Grease Control BA	12 Months
12/20/2012 2/25/2014	3006 CORAM STREET 132 WATAUGA AVENUE		14 MH 10-27 & Lateral Cleandul at 222 Radiold Place & BBO	BBU	Blockage - Debris. The sewer main was flushed & area was cleaned.	375	1		N/A Construction Completed	N/A	6 Months N/A
8/24/2014 710	0 & 707 RADFORD PLACE	KUW Second Creek	15 Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	150	1		N/A	BA/Grease Control	6 Months
3/5/2013 5/12/2012	1323 TENNESSEE AVENUE 403 W OLDHAM AVENUE		15 MH 21-191 & 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.	750 47,000	1		N/A N/A	BA Repair Completed	12 Months N/A
7/20/2012	1620 EDGEWOOD AVENUE		16 Lateral Cleanout		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	1,000	1		N/A	Repair Completed	N/A N/A
2/6/2011	1908 EDGEWOOD AVENUE	KUW First Creek	16 Water Meter Well		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	180	1		N/A	Repair Completed	N/A
9/16/2015 11/25/2013	2545 BUFFAT MILL ROAD 1921 COKER AVENUE		17         Unconnected Lateral           17         Lateral Cleanout & BBU	BBU	Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	31 1,650	1.5		N/A N/A	Repair Completed Repair Completed	N/A 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
4/7/2011 4/24/2015	3526 BUFFAT MILL ROAD 2800 CARSON AVENUE	Horr Hitt brook	18 MH 65-19 and BBU 18 Manhole 30-27	BBU	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	300	4		N/A N/A	BA	12 Months
1/23/2012	2848 LONDON CIRCLE		18 Marinole 30-27		Heavy rainfall in the area resulted in high flows in the collection system.	750	4		N/A N/A	Repair Completed	12 Months 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		Construction Underway	N/A	N/A
1/15/2013 1/30/2013	2541 MITCHELL STREET 2541 MITCHELL STREET	KUW First Creek KUW First Creek	18 MH 30-182 18 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.	317,000 19,600	120	×	Construction Underway Construction Underway	N/A N/A	N/A N/A
7/8/2013	2541 MITCHELL STREET		18 MH 30-182		Heavy rainfall in the area resulted in high flows in the collection system.	19,000	16	· · · · · · · · · · · · · · · · · · ·	Construction Underway	N/A	N/A
1/11/2014	2541 MITCHELL STREET		18 MH 30-182		Heavy rainfall in the area resulted in high flows in the collection system.	100	1	×	Construction Underway	N/A	N/A
2/3/2014 5/6/2013	2541 MITCHELL STREET 2541 MITCHELL STREET		18 MH 30-182 18 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.	13,100 12,500	3	×	Construction Underway Construction Underway	N/A N/A	N/A N/A
2/15/2012	1421 N BROADWAY		18 MH 3-25		Blockage - Grease. The sewer main was flushed & area was cleaned.	265	1.5		N/A	BA/Grease Control	6 Months
2/11/2014	1701 WHITTLE SPRINGS ROAD		18 Combination Cleaner		Construction Failure - Capacity exceeded on Combination Cleaner and the area was cleaned.	500	1		N/A	Repair Completed	N/A
1/23/2012 9/24/2012	3148 WILDERNESS ROAD 2441 LINDEN AVENUE		18 MH 51 & 52 19 MH 5-240		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	3,000 250	4		N/A N/A	Repair Completed BA/Grease Control	N/A 12 Months
7/16/2012	2800 SELMA AVENUE	KUW Williams Creek	19 MH 2-65		Blockage - Debris. The sewer main was flushed & area was cleaned.	350	1		N/A	BA	12 Months
1/18/2013 2/4/2008	3439 E MAGNOLIA AVENUE 516 N BEAMAN STREET		20 MH 61 20 MH 61-8		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned.	25 180	1		Future Construction Planned Construction Completed	N/A BA	N/A 6 Months
8/11/2011	516 N BEAMAN STREET	LC Loves Creek	20 MH 61-8		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.25	✓	Construction Completed	BA	6 Months
7/20/2012	516 N BEAMAN STREET		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
1/24/2010 2/8/2012	5760 SANDIS LANE 5760 SANDIS LANE		20 Influent Structure 20 Broken Force Main		WWTP - Electrical Failure. Electricity was restored. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	<u>190000</u> 7,000	0.75 9		N/A N/A	N/A Repair Completed	N/A N/A
9/18/2012	5760 SANDIS LANE	LC Loves Creek	20 MH 1		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	1,000,800	2		N/A	Repair Completed	N/A
0/16/2012 4/21/2011	1219 HILTON ROAD 4505 MIDDLEBROOK PIKE		21         MH 10-64           21         MHs 16-48 & 2 Unnamed Manholes		Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	400 72,000	6		N/A Future Construction Planned	BA N/A	9 Months N/A
2/7/2012	4505 MIDDLEBROOK PIKE	KUW Third Creek	21 Dewatering Containment		Construction Failure - Dewatering Containment Failure. Containment reinstated & the area was cleaned.	150	0.1		N/A	Repair Completed	N/A
7/9/2013	4505 MIDDLEBROOK PIKE	KUW Third Creek	21 MHs 1 & 27-54 21 MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	10,000	12	√ ./	Future Construction Planned	N/A	N/A N/A
7/9/2013 4/28/2013	4505 MIDDLEBROOK PIKE 1540 JOUROLMAN AVENUE	KUW Third Creek	22 MHs 6-194 & 6-219 & BBU	BBU	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.	Unknown 6,350	Unknown 6	v	Future Construction Planned N/A	N/A BA/Grease Control	6 Months
4/8/2015	1540 JOUROLMAN AVENUE	KUW Third Creek	22 Manhole 6-194 and BBU at 1540 Jourolman Avenue	BBU	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	1,045	4		N/A	BA/Grease Control	3 Months
12/12/2013 6/4/2013	2437 KEITH AVENUE 2111 SCHOFIELD STREET		22 Lateral Cleanout & BBU 22 MH 13	BBU	Blockage - Grease. The sewer main was flushed & area was cleaned. Construction Failure - Broken Gravity Main. The sewer main was repaired and the area was cleaned.	105 40,000	1 3		Construction Completed N/A	N/A Repair Completed	N/A N/A
4/28/2012	1816 STERCHI STREET	KUW Third Creek	22 MH 11-44		Blockage - Debris. The sewer main was flushed & area was cleaned.	30	1		N/A	BA	6 Months
12/9/2013	2310 SYCAMORE DRIVE	KUW Third Creek	22 Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	550	1		N/A	Repair Completed	N/A
5/7/2015	2700 WAVERLY STREET		22 MH 18-105 & bypass pump hose joints on 2724 Western Avenue property		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	550	0.5		N/A	Repair Completed	N/A
4/8/2013 9/18/2012	2724 WESTERN AVENUE 517 BERNARD AVENUE		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
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
11/5/2013	601 VAN STREET		23 MH 19-262		Blockage - Grease. The sewer main was flushed & area was cleaned.	80	1	√	N/A	BA/Grease Control	6 Months
3/24/2015 8/12/2009	601 VAN STREET 608 VAN STREET		23         Manhole 19-262           23         MHs 28-14, 28-1, & 28 and Subsurface		Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	3 Unknown	1 Unknown		N/A Construction Completed	BA/Grease Control BA/Grease Control	6 Months N/A
4/27/2013	608 VAN STREET	KUW Second Creek	23 MHs 28-1 & 28-14		Blockage - Grease. The sewer main was flushed & area was cleaned.	1,000	4	√	N/A	BA/Grease Control	6 Months
3/1/2011 9/9/2013	411 W BAXTER AVENUE 816 W BAXTER AVENUE		23 MH 49 23 MH 19-231		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	4 0.5		Construction Completed N/A	N/A BA	N/A 12 Months
10/3/2013	1111 W FIFTH AVENUE		23 MH 19-231 23 MH 19-190 & 19-189		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	1,300	1.5		N/A	BA/Grease Control	3 Months
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 N/A	6 Months
9/5/2011 9/18/2012	1903 JEFFERSON AVENUE 1903 JEFFERSON AVENUE	KUW First Creek KUW First Creek	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.	<u>2,700</u> 100	5	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
	1903 JEFFERSON AVENUE		24 MH 25-18		Heavy rainfall in the area resulted in high flows in the collection system.	75	1 .	ý.	Construction Completed	N/A	N/A

					Private Property			Event occurred two or more		Short-Term Controls	
Date	Street # Street	Plant Waters		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
11/30/2010 11/16/2011	1908 JEFFERSON AVENUE 1908 JEFFERSON AVENUE	KUW First C KUW First C		Lateral Cleanout Lateral Cleanout	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	180 50	3	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
1/23/2012	1908 JEFFERSON AVENUE	KUW First C	Creek 24		Heavy rainfall in the area resulted in high flows in the collection system.	150	0.5	✓ ✓	Construction Completed	N/A	N/A
6/18/2013 4/2/2012	1908 JEFFERSON AVENUE 1909 JEFFERSON AVENUE	KUW First C KUW First C	Creek 24		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	50 40	1	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
7/7/2013 5/30/2013	1810 & 1908 JEFFERSON AVENUE 1501 WASHINGTON AVENUE	KUW First C KUW First C	Creek 24 Creek 24	2 Lateral Cleanouts MH 24-13	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	750 210	1	✓	Construction Completed N/A	N/A BA	N/A 3 Months
2/28/2011	2102 WASHINGTON AVENUE	KUW First C	Creek 24	MH 25-114	Heavy rainfall in the area resulted in high flows in the collection system.	190,000	4		Construction Completed	N/A	N/A
4/15/2015 10/6/2014	1818 WOODBINE AVENUE 1904 WOODBINE AVENUE	KUW First C KUW First C		Broken Lateral Lateral Cleanout	Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	97 350	0.5		N/A Construction Completed	Repair Completed BA	N/A 6 Months
8/17/2012	524 BEN HUR AVENUE	KUW Williams		Broken Lateral & BBU	BBU Blockage - Debris. The sewer main was flushed & area was cleaned.	60	2		N/A	BA	6 Months
2/16/2011 9/7/2011	604 BEN HUR AVENUE 2111 MOHAWK AVENUE	KUW Williams KUW Williams			Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	500 5,400	1.5 12		N/A N/A	BA BA/Grease Control	6 Months 12 Months
7/8/2012 2/28/2011	2111 MOHAWK AVENUE 2008 RIVERSIDE DRIVE	KUW Williams KUW Williams		MH 4-2 MH 2	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	1,100 720,000	5 4	√	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
7/7/2013 3/27/2013	2008 RIVERSIDE DRIVE 2418 SELMA AVENUE	KUW Williams KUW Williams	s Creek 25	MH 2 Lateral Cleanout	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	6,000 800	1	✓	Future Construction Planned N/A	N/A BA/Grease Control	N/A 6 months
2/26/2014	1308 TRIGG STREET	KUW Williams		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
1/20/2011 3/9/2011	5405 GREEN VALLEY DRIVE 5405 GREEN VALLEY DRIVE	LC Loves	Creek 26 Creek 26	Air Release Valve Air Release Valve	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	20	0.5	√ √	Construction Completed Construction Completed	N/A N/A	N/A N/A
10/24/2012	5408 GREEN VALLEY DRIVE	LC Loves	Creek 26	Air Release Valve	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	50	0.25	•	N/A	Repair Completed	N/A
3/2/2011 7/25/2013	5508 GREEN VALLEY DRIVE 5817 GREEN VALLEY DRIVE	LC Loves		Broken Force Main MH 16	Broken System - Broken Force Main. Force main was repaired & the area cleaned. Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	2,025	0.5	✓ 	Construction Completed N/A	N/A Repair Completed	N/A N/A
2/24/2014 3/1/2012	3300 HOLSTON HILLS ROAD 1125 MONTVIEW ROAD	LC Loves	Creek 26		Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	50 60	1		N/A N/A	Repair Completed BA	N/A 12 Months
11/7/2012	1500 AMHERST ROAD	FC Fourth		MH 22-68	Blockage - Roots. The sewer main was flushed & area was cleaned. Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	200	0.25		N/A	Repair Completed	N/A
6/25/2014 6/10/2013	1692 AMHERST ROAD 1725 AMHERST ROAD	FC Fourth			Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	470	1		N/A N/A	BA Repair Completed	12 Months 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
5/16/2013 8/21/2015	1450 DOWELL SPRINGS BOULEVARD 1219 GREENS CROSSING ROAD	FC Fourth FC Fourth		MH 24-94 Manhole 24-32	Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	100 400	0.5		N/A N/A	BA Repair Completed	12 Months N/A
12/13/2014	3109 LAKE BROOK BOULEVARD	FC Fourth	Creek 27		Blockage - Grease. The sewer main was flushed & area was cleaned.	2,000	4		N/A	BA/Grease Control	12 Months
7/13/2012 1/22/2015	914 PINEY GROVE CHURCH ROAD 6803 STOCKTON DRIVE	FC Fourth FC Fourth		MH 49-110 Manholes 38 & 39	Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	2,800 Unknown	Unknown	√	N/A Future Construction Planned	N/A	12 Months N/A
3/11/2015 12/2/2015	6803 STOCKTON DRIVE 6803 STOCKTON DRIVE	FC Fourth		Manholes 38 & 39 Manhole 38 & 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	Unknown Unknown	Unknown Unknown	√ √	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
12/28/2015	6803 STOCKTON DRIVE	FC Fourth		Manhole 39	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned	N/A N/A	N/A N/A
5/8/2013 9/17/2013	701 W HILLS ROAD 1017 COX STREET	FC Fourth KUW Third C			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	16		N/A N/A	Repair Completed Repair Completed	N/A N/A
4/5/2011	4228 CROSBY DRIVE	KUW Third C	Creek 28	MH 27-3	Blockage - Roots. The sewer main was flushed & area was cleaned.	75	1		N/A	BA	6 Months
7/31/2013 3/4/2014	4604 CROSBY DRIVE 3807 MIDDLEBROOK PIKE	KUW Third C KUW Third C			Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Vandalism. Blockage was removed & the area was cleaned.	150 5	0.25		N/A N/A	Repair Completed Repair Completed	N/A N/A
9/10/2004	409 N BELLEMEADE AVENUE	KUW Third C		MH 3-53	Blockage - Grease. The sewer main was flushed & area was cleaned.	180	1	✓	Construction Completed	BA/Grease Control	1 Month
9/24/2004 10/19/2004	409 N BELLEMEADE AVENUE 409 N BELLEMEADE AVENUE	KUW Third C KUW Third C		MH 3-53 Underground Flow	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	√ √	Construction Completed Construction Completed	BA BA/Grease Control	1 Month 1 Month
12/9/2004 7/28/2008	409 N BELLEMEADE AVENUE 409 N BELLEMEADE AVENUE	KUW Third C	Creek 28	MH 3-53 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.	2640 300	22	√ √	Construction Completed	BA Repair Completed	1 Month N/A
3/24/2011	409 N BELLEMEADE AVENUE	KUW Third C KUW Third C			Heavy rainfall in the area resulted in high flows in the collection system.	300	1	✓ ✓	Construction Completed Construction Completed	N/A	N/A
10/16/2012 2/4/2013	409 N BELLEMEADE AVENUE 409 N BELLEMEADE AVENUE	KUW Third C KUW Third C		MH 3-53 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.	35 500	1	√ √	Construction Completed	N/A N/A	N/A N/A
7/8/2013	409 N BELLEMEADE AVENUE	KUW Third C	Creek 28	MH 3-53	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	· · · · · · · · · · · · · · · · · · ·	Construction Completed Construction Completed	N/A	N/A
4/7/2012 9/26/2013	1925 AILOR AVENUE 2501 AILOR AVENUE	KUW Third C KUW Third C			Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	200 5,600	2		N/A N/A	BA BA	12 Months 12 Months
11/20/2014	600 CITICO STREET	KUW Third C	Creek 29	Manhole 60-4	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	180	2	√ √	N/A	BA/Grease Control	6 Months
11/13/2015 9/18/2013	600 CITICO STREET 2308 FOREST AVENUE	KUW Third C KUW Third C		Manhole 60-4 MH 9-12	Construction Failure - Dig-in (Pre-Construction Drilling). The sewer main was repaired and the area was cleaned.	110 500	2	•	N/A N/A	BA/Grease Control Repair Completed	6 Months N/A
3/7/2012 9/6/2013	312 NINETEENTH AVENUE 1901 SUTHERLAND AVENUE	KUW Third C KUW Third C		Floor Drain and BBU MH 23	BBU Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	35 700	0.75		N/A N/A	BA BA/Grease Control	9 Months 12 Months
1/21/2015	601 S CENTRAL STREET	KUW First C		Manhole 3-32	Construction Failure - Blockage by Construction Debris. The sever main was flushed & the area was cleaned.	550	1		N/A	Repair Completed	N/A
8/16/2010 2/28/2011	815 S CENTRAL STREET 815 S CENTRAL STREET	KUW First C KUW First C		MH 3-7 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.	250 100	0.5		Construction Completed Construction Completed	N/A N/A	N/A N/A
3/17/2015	815 S CENTRAL STREET 113 STATE STREET	KUW First C	Creek 30	Bypass Pump	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1 300	0.01 120 Hours Intermittently		N/A	Repair Completed	N/A
3/7/2012	620 W HILL AVENUE	KUW First C KUW First C		Broken Gravity Main Unnamed MH	Construction Failure - Blockage by Construction Debris. The sewer main was repaired a the area was cleaned.	800	8		N/A N/A	Repair Completed Repair Completed	N/A N/A
10/23/2015 11/25/2015	400 W JACKSON AVENUE 400 W JACKSON AVENUE	KUW First C KUW First C	Creek 30 Creek 30		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	100 50	1.5		N/A N/A	BA	6 Months 6 Months
1/29/2013	900 E HILL AVENUE	KUW Williams	s Creek 31	MH 6-62	Blockage - Grease. The sewer main was flushed & area was cleaned.	180	1		N/A	BA/Grease Control	12 Months
4/16/2011 7/7/2011	2004 RIVERSIDE DRIVE 2004 RIVERSIDE DRIVE	KUW Williams KUW Williams		MH 1-1 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.	2,000	1	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
9/18/2012	2004 RIVERSIDE DRIVE	KUW Williams	s Creek 31	MH 1-1	Heavy rainfall in the area resulted in high flows in the collection system.	200,000	6	1	Future Construction Planned	N/A	N/A
1/15/2013 1/30/2013	2004 RIVERSIDE DRIVE 2004 RIVERSIDE DRIVE	KUW Williams KUW Williams		MH 1-1 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.	628,000 13,100	28	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
2/3/2014 12/24/2015	2008 RIVERSIDE DRIVE 2008 RIVERSIDE DRIVE	KUW Williams KUW Williams		MH 2 Manhole 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.	24,400 29,000	2	✓	Future Construction Planned Future Construction Planned	Repair Completed N/A	N/A N/A
8/21/2014	1508 COLEMAN ROAD	FC Fourth			Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	40	1		N/A	Repair Completed	N/A
4/16/2009 6/24/2014	5032 LYONS VIEW PIKE 5032 LYONS VIEW PIKE	KUW Third C KUW Third C			Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	510	6.5 0.25	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
10/10/2015	5112 LYONS VIEW PIKE	KUW Third C	Creek 34	Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1		N/A	Repair Completed	N/A
1/3/2012	4534 OLD KINGSTON PIKE	KUW Third C	Creek 34	Bypass System	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	50	0.1	✓	Construction Completed	Repair Completed	N/A
12/2/2015	7113 DEANE HILL DRIVE	FC Fourth		Subsurface	Broken System - Broken Gravity Main due to Storm Sewer Failure. The sewer main was repaired & the area was cleaned.	16,400	3		N/A	Repair Completed	N/A
10/15/2013 8/30/2015	1221 MILAM CIRCLE 7100 SHADYLAND DRIVE	FC Fourth FC Fourth	Creek 36 Creek 36		Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.           BBU         Blockage - Roots. The sewer main was flushed & area was cleaned.	7,500	2		N/A N/A	Repair Completed BA	N/A 12 Months
4/29/2011 9/6/2013	6928 WESTLAND DRIVE 1108 WHITOWER DRIVE	FC Fourth			Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Broken System - Sewer Main Collapse. The sewer main is repaired and the area was cleaned.	57,000 120	2		N/A N/A	Repair Completed Repair Completed	N/A N/A
1/11/2013	1705 COTTAGEWOOD WAY	FC Fourth	Creek 37	Lateral	Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	15	6		N/A	Repair Completed	N/A
3/17/2002 3/18/2002	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth		MH 1 MH 1	WWTP - Electrical Failure. Electricity was restored. Heavy rainfall in the area resulted in high flows in the collection system.	1,916,000 134,000	0.13	✓ ✓	N/A Construction Underway	Repair Completed N/A	N/A N/A
4/19/2002	1500 LYONS BEND ROAD	FC Fourth	Creek 37	MH 1	WWTP - Mechanical Failure. Plant was reinstated.	569,000	2	√ 	N/A	Repair Completed	N/A
2/15/2003 2/16/2003	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth		MH 1	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	136,000 871,000	6	✓ ✓	Construction Underway Construction Underway	N/A N/A	N/A N/A
5/6/2003 5/15/2003	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth FC Fourth	Creek 37	MH 1	Heavy rainfall in the area resulted in high flows in the collection system. WWTP - Electrical Failure. Electricity was restored.	26,710 1,500,000	8.5	√ √	Construction Underway Construction Underway	N/A N/A	N/A N/A
7/9/2003	1500 LYONS BEND ROAD	FC Fourth	Creek 37	MH 1	WWTP - Electrical Failure. Electricity was restored.	1,370,000	3.14	· · · · · · · · · · · · · · · · · · ·	Construction Underway	N/A	N/A
12/11/2003 6/17/2004	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth FC Fourth			WWTP - Electrical Failure. Electricity was restored. Heavy rainfall in the area resulted in high flows in the collection system.	48,650 2000	0.33	✓	N/A Construction Underway	Repair Completed N/A	N/A N/A
9/22/2004	1500 LYONS BEND ROAD	FC Fourth	Creek 37	MH 1	WWTP - Mechanical Failure. Plant was reinstated.	102,483	0.5	√ /	N/A	Repair Completed	N/A
11/24/2004 12/9/2004	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth FC Fourth	Creek 37		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	250 29,123	0.007	✓	Construction Underway Construction Underway	N/A N/A	N/A N/A
12/9/2004 3/28/2005	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth FC Fourth			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 50,410	1.83	✓ ✓	Construction Underway Construction Underway	N/A N/A	N/A N/A
9/23/2006	1500 LYONS BEND ROAD	FC Fourth	Creek 37	MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	489000	2.88		Construction Underway	N/A	N/A
6/7/2007 9/26/2009	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth FC Fourth	Creek 37	MH 1	Broken System - Sludge Line Valve Failure. The valve was replaced & the area cleaned. WWTP - Electrical Failure. Electricity was restored.	25 40,000	0.58 0.06 0.45	4	N/A Construction Underway	Repair Completed N/A	N/A N/A
12/9/2009 1/24/2010	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth			WWTP - Electrical Failure. Electricity was restored. Heavy rainfall in the area resulted in high flows in the collection system.	480,000 74000	0.45	✓	N/A Construction Underway	Repair Completed N/A	N/A N/A
.,27/2010		i o i outiti	5,555, 57						Contraction onderway		

Date	Street # Street	Plant Watershed Basin		Private Property Location Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
12/1/2010 1/1/2011	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth Creek 37 FC Fourth Creek 37		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1840000 380,000	<u>11.5</u> 2.82	✓	Construction Underway Construction Underway	N/A N/A	N/A N/A
2/28/2011	1500 LYONS BEND ROAD	FC Fourth Creek 37	MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	590,000	5.75	✓	Construction Underway	N/A	N/A
3/9/2011 4/16/2011	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth Creek 37 FC Fourth Creek 37		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	160,000 350,000	2.38	✓ ✓	Construction Underway Construction Underway	N/A N/A	N/A N/A
4/28/2011	1500 LYONS BEND ROAD	FC Fourth Creek 37	MH 1	Heavy rainfall in the area resulted in high flows in the collection system.	680,000	5.82	$\checkmark$	Construction Underway	N/A	N/A
9/5/2011	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth Creek 37 FC Fourth Creek 37		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1,240,000	17.35 6.42	✓ ✓	Construction Underway	N/A N/A	N/A N/A
11/28/2011 1/23/2012	1500 LYONS BEND ROAD	FC Fourth Creek 37 FC Fourth Creek 37		Heavy rainfall in the area resulted in high flows in the collection system.	40,000	0.08	✓ ✓	Construction Underway Construction Underway	N/A N/A	N/A N/A
3/7/2012	1500 LYONS BEND ROAD	FC Fourth Creek 37		WWTP - Electrical Failure. Electricity was restored.	97,300	0.45	✓	N/A	Repair Completed	N/A
9/18/2012 1/15/2013	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth Creek 37 FC Fourth Creek 37	MH 1 MH 1	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	1,823,600 4,285,300	8.5 36.26	✓ ✓	N/A Construction Underway	Repair Completed N/A	N/A N/A
1/30/2013	1500 LYONS BEND ROAD	FC Fourth Creek 37		Heavy rainfall in the area resulted in high flows in the collection system.	905,700	9.17	√	Construction Underway	N/A	N/A
4/28/2013 7/7/2013	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC Fourth Creek 37 FC Fourth Creek 37		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
9/22/2013	1500 LYONS BEND ROAD	FC Fourth Creek 37		Electrical Failure - WWTP. Electricity was restored and the area was cleaned.	227,000	0.93	$\checkmark$	Construction Underway	N/A	N/A
3/4/2015 10/8/2012	4325 LYONS POINTE LANE 5032 LYONS VIEW PIKE	FC Fourth Creek 37 FC Fourth Creek 37	Cabballaco	Blockage - Debris. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	150	1.5	✓	Future Construction Planned N/A	N/A Repair Completed	N/A N/A
11/30/2012	5032 LYONS VIEW PIKE	FC Fourth Creek 37		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1.5	~	N/A	Repair Completed	N/A
11/8/2013 9/25/2006	5032 LYONS VIEW PIKE 6410 S NORTHSHORE DRIVE	FC Fourth Creek 37 FC Fourth Creek 37	Grinder Pump 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.	10 304380	2	✓	N/A Construction Completed	Repair Completed N/A	N/A N/A
2/19/2010	6410 S NORTHSHORE DRIVE	FC Fourth Creek 37		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Completed	N/A N/A	N/A
3/17/2011	6410 S NORTHSHORE DRIVE	KUW Fourth Creek 37		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
4/16/2011 4/28/2011	6410 S NORTHSHORE DRIVE 6410 S NORTHSHORE DRIVE	FC Fourth Creek 37 FC Fourth Creek 37		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	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/6/2011	6410 S NORTHSHORE DRIVE	FC Fourth Creek 37		Heavy rainfall in the area resulted in high flows in the collection system.	13,000	1	✓	Construction Completed	N/A	N/A
9/18/2012	6410 S NORTHSHORE DRIVE	FC Fourth Creek 37		Heavy rainfall in the area resulted in high flows in the collection system.	40,000	2	✓ 	Construction Completed	N/A	N/A
1/16/2013 7/10/2013	6410 S NORTHSHORE DRIVE 6410 S NORTHSHORE DRIVE	FC Fourth Creek 37 FC Fourth Creek 37	MH 8 MH 8	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	5,800 Unknown	4 Unknown	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
7/25/2014	617 CHEOWA CIRCLE	KUW Third Creek 38		Blockage - Debris. The sewer main was flushed & area was cleaned.	Unknown	Unknown		Construction Underway	Repair Completed	N/A
12/4/2011 5/25/2011	520 CHEROKEE BOULEVARD 1917 CHEROKEE BOULEVARD	KUW Third Creek 38 KUW Third Creek 38		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	3,500 Unknown	1 Unknown		N/A Future Construction Planned	BA N/A	12 Months N/A
4/18/2013	1212 KENESAW AVENUE	KUW Third Creek 38	MH 24-168	Blockage - Debris. The sewer main was flushed & area was cleaned.	30	1		N/A	BA	6 Months
3/13/2012 10/4/2013	929 KEOWEE AVENUE 3547 TALAHI DRIVE	KUW Third Creek 38 KUW Third Creek 38		Construction Failure by Customer - Dig-In. A section sewer main was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	900	24		N/A N/A	Repair Completed BA	N/A 12 Months
2/10/2015	3547 TALAHI DRIVE	KUW Third Creek 38		Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	180	2		N/A	BA/Grease Control	6 Months
5/10/2009	3560 TALAHI DRIVE	KUW Third Creek 38		Biockage - Debris. The sewer main was flushed & area was cleaned. Biockage - Debris. The sewer main was flushed & area was cleaned.	140	1		N/A	BA	12 Months
5/10/2012 10/24/2013	3560 TALAHI DRIVE 3847 WILANI ROAD	KUW Third Creek 38 KUW Third Creek 38		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	400 20	0.17		N/A N/A	BA	9 Months 12 Months
1/14/2013	3704 CHAPMAN HIGHWAY	KUW South Knoxville 39	MHs 28-53 & 28-54	Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	510	1		N/A	Repair Completed	N/A
9/17/2012 3/8/2003	4600 CHAPMAN HIGHWAY 4411 CYPRESS LANE	KUW South Knoxville 39 KUW South Knoxville 39		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	4,900	6		N/A N/A	Repair Completed BA	N/A 12 Months
4/21/2006	4411 CYPRESS LANE	KUW South Knoxville 39		Blockage - Roots and Debris. The sewer main was flushed & area was cleaned.	225	3		N/A	BA	3 Months
10/28/2012	4500 E END ROAD	KUW South Knoxville 39		Blockage - Roots. The sewer main was flushed & area was cleaned.	20	1		N/A	BA	12 Months
6/12/2013 7/22/2012	4714 JULIAN STREET 3616 KEITH AVENUE	KUW South Knoxville 39 KUW Third Creek 39		Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	1,500 50	1		N/A N/A	BA BA	6 Months 6 Months
7/7/2013	438 MARYVILLE PIKE	KUW South Knoxville 39		Heavy rainfall in the area resulted in high flows in the collection system.	800	1		Construction Completed	N/A	N/A
4/24/2015 1/7/2013	4205 TOMLINSON STREET 1000 BAKER AVENUE	KUW South Knox 39 KUW South Knoxville 40		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	Unknown 450	Unknown 1		N/A N/A	Repair Completed BA	N/A 6 Months
10/26/2013	1216 BAKER AVENUE	KUW South Knoxville 40		BBU Blockage - Grease. The sewer main was flushed & area was cleaned.	10	0.25		N/A	BA/Grease Control	6 Months
9/10/2012 7/27/2015	423 BUSBEE ROAD 4309 CRUZE ROAD	KUW South Knoxville 40 KUW South Knox 40		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 18.000	2		N/A N/A	Repair Completed BA	N/A 24 Months
2/28/2013	1127 E MOODY AVENUE	KUW South Knoxville 40		Heavy rainfall in the area resulted in high flows in the collection system.	600	2		Construction Completed	N/A	N/A
11/13/2014	1415 E MOODY AVENUE	KUW South Knoxville 40		Blockage - Roots. The sewer main was flushed & area was cleaned.	1,400	2		N/A	BA	12 Months
4/4/2005 5/24/2005	3741 EAKERS STREET 3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1,200	4 1	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/23/2006	3741 EAKERS STREET	KUW South Knoxville 40	MHs 47 & 47-103	Heavy rainfall in the area resulted in high flows in the collection system.	10560	8	V	Construction Completed	N/A N/A	N/A N/A
8/6/2009 9/26/2009	3741 EAKERS STREET 3741 EAKERS STREET	KUW         South Knoxville         40           KUW         South Knoxville         40		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	224	0.5	↓ ✓	Construction Completed Construction Completed	N/A N/A	N/A
1/25/2010	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
5/3/2010 12/1/2010	3741 EAKERS STREET 3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40		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	MH 47	Heavy rainfall in the area resulted in high flows in the collection system.	67,500	3	1	Construction Completed	N/A	N/A
4/16/2011 4/28/2011	3741 EAKERS STREET 3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40		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 Construction Completed	N/A N/A	N/A N/A
1/24/2012	3741 EAKERS STREET	KUW South Knoxville 40	MH 47	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓ ✓	Construction Completed	N/A	N/A
9/18/2012	3741 EAKERS STREET	KUW South Knoxville 40		Heavy rainfall in the area resulted in high flows in the collection system.	2,000	3	✓	Construction Completed	N/A	N/A
4/1/2015 10/14/2014	407 HAYWOOD AVENUE 1827 PRICE AVENUE	KUW         South Knox         40           KUW         South Knoxville         40		Blockage - Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	45	0.5		N/A Future Construction Planned	N/A	12 Months N/A
5/16/2013	2327 S HAVEN ROAD	KUW South Knoxville 40	MH 24-27	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		N/A	Repair Completed	N/A
7/7/2013 11/22/2015	2327 S HAVEN ROAD 2906 S HAVEN ROAD	KUW South Knoxville 40 KUW South Knox 40		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	500 450	1		N/A N/A	Repair Completed BA/Grease Control	N/A 6 Months
10/12/2012	521 TALIWA DRIVE	KUW South Knoxville 40		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	3		N/A	Repair Completed	N/A
8/18/2015	4308 WOODLAWN PIKE	KUW South Knox 40	Lateral Cleanout	Blockage - Roots. The sewer main was flushed & area was cleaned.	50	1		N/A	BA	6 Months
1/26/2015 2/16/2003	312 BEECHWOOD DRIVE 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41		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.	400 180	2	~	N/A Construction Completed	Repair Completed N/A	N/A N/A
3/13/2003	961 E FORD VALLEY ROAD	KUW Knob Creek 41	Wetwell	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	600	0.5	✓ 	Construction Completed	N/A	N/A
3/20/2003 3/30/2003	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41		Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned. Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	600 9000	0.34	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/31/2003	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
5/7/2003 12/30/2003	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41		Heavy rainfall in the area resulted in high flows in the collection system. Construction Failure - Sewer Main Flushing. The area was cleaned.	2100	2 0.17	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
2/6/2004	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41		Heavy rainfall in the area resulted in high flows in the collection system.	54,000	9	, , ,	Construction Completed	N/A N/A	N/A
3/6/2004 6/25/2004	961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41		Heavy rainfall in the area resulted in high flows in the collection system.	3000 11,520	1	√ ./	Construction Completed	N/A N/A	N/A N/A
6/25/2004 9/23/2006	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41		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	v	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/24/2007	961 E FORD VALLEY ROAD	KUW Knob Creek 41		Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	4,500	1.5		Construction Completed	Repair Completed	N/A
1/6/2009 8/24/2009	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41		Heavy rainfall in the area resulted in high flows in the collection system. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	60,000 100	0.17	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/23/2009	961 E FORD VALLEY ROAD	KUW Knob Creek 41	Wetwell	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	14,400	8	√ 	Construction Completed	N/A	N/A
9/26/2009 9/27/2009	961 E FORD VALLEY ROAD 961 E FORD VALLEY ROAD	KUW Knob Creek 41 KUW Knob Creek 41		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	6,000 1,800	2	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
6/17/2011	961 E FORD VALLEY ROAD	KUW Knob Creek 41	Wetwell	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	200	0.16		Construction Completed	N/A	N/A
9/18/2012 9/18/2014	961 E FORD VALLEY ROAD 201 E RED BUD ROAD	KUW Knob Creek 41 KUW Knob Creek 41		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	97,500	2.5		Construction Completed N/A	N/A BA	N/A 12 Months
9/18/2014 2/8/2012	736 GREENMEADOWS DRIVE	KUW Knob Creek 41 KUW Knob Creek 41		Blockage - Grease. The sewer main was flushed & area was cleaned.	250	8		N/A N/A	BA BA/Grease Control	12 Months 12 Months
8/2/2015	812 GREENMEADOWS DRIVE	KUW Knob Creek 41	Manhole 21-2	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	75	1.5		N/A	BA/Grease Control	24 Months
1/16/2013 12/12/2009	201 HERMITAGE DRIVE 5227 MCNUTT ROAD	KUW Knob Creek 41 KUW Knob Creek 41		Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Unknown. The sewer main was flushed & area was cleaned.	1,225	<u>19</u> 1		Future Construction Planned Construction Completed	N/A BA	N/A 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 Completed	BA	12 Months
8/3/2011 4/4/2014	5910 MEADOW OAKS LANE 5917 MEADOW OAKS LANE	KUW Knob Creek 41		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 N/A	Repair Completed	N/A
9/12/2014	5917 MEADOW OAKS LANE 5915 NEUBERT SPRINGS ROAD	KUW Knob Creek 41 KUW Knob Creek 41		Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	294000	0.5	✓	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	5915 NEUBERT SPRINGS ROAD 6016 NEUBERT SPRINGS ROAD	KUW         Knob Creek         41           EB         Knob Creek         41		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 10,000	3 53		N/A Construction Completed	Repair Completed N/A	N/A N/A
1/16/2013							1	a a sector a simplotod		

						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
3/7/2013 1/29/2012		17 STRATFORD ROAD 12 VIEW PARK DRIVE	KUW	Knob Creek Knob Creek	41 MH 66-14 41 MH 97-44	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	1,500	1		N/A N/A	Repair Completed BA	N/A 6 Months
2/4/2009		60 WESTLAND DRIVE		Fourth Creek	42 Leaking ARV	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	225	1	✓	Construction Completed	N/A	N/A
7/22/2009		60 WESTLAND DRIVE	FC	Fourth Creek	42 Air Release Valve 42 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.	37 4130	1.5	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
2/12/2010 1/15/2012		60 WESTLAND DRIVE 60 WESTLAND DRIVE	FC	Fourth Creek Fourth Creek	42 Air Release Valve 42 Force Main Valve	Broken System - Air Release Valve Failure. The valve was replaced a time area cleaned.	1,800	2.5		N/A	Repair Completed	N/A N/A
12/7/2015	520	5 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump and Lateral Cleanout	Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
3/19/2010 3/31/2012		18 BENT RIVER BOULEVARD 18 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	43         Grinder Pump           43         Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	22	3 0.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
3/24/2008	-	19 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump & BBU	BBU Grinder Pump Failure. Pump was repaired & the area was cleaned.	15	1		N/A	Repair Completed	N/A
9/19/2012		19 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		19 BENT RIVER BOULEVARD 19 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	43         Grinder Pump & BBU           43         Grinder Pump & BBU	BBU Grinder Pump Failure. Pump was repaired & the area was cleaned. BBU 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
1/16/2013	52	19 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder pump and BBU	BBU Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	✓	N/A	Repair Completed	N/A
1/25/2011		35 BENT RIVER BOULEVARD 36 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Broken Gravity Main	Broken System - Broken Porce Main. Force main was repaired & the area cleaned.	10	1		N/A N/A	Repair Completed Repair Completed	N/A N/A
4/3/2010 9/4/2014		36 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	43         Grinder Pump           43         Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5.5	1		N/A N/A	Repair Completed	N/A N/A
9/13/2003		41 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	Unknown	Unknown		N/A	Repair Completed	N/A
3/10/2005 7/4/2008	-	41 BENT RIVER BOULEVARD 41 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	43         Grinder Pump           43         Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	20	5 4		N/A N/A	Repair Completed Repair Completed	N/A N/A
7/23/2011		41 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	4		N/A	Repair Completed	N/A
9/9/2003		46 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump	Broken System - Broken Force Main. Force main was repaired & the area cleaned.	30	4		N/A	Repair Completed	N/A
11/30/2004 6/12/2008	-	46 BENT RIVER BOULEVARD 46 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	43 Grinder Pump 43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	5 25	2		N/A N/A	Repair Completed Repair Completed	N/A N/A
8/4/2008		46 BENT RIVER BOULEVARD	FC	Fourth Creek	43         Grinder Pump           43         Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	2.33		N/A	Repair Completed	N/A
4/10/2010	-	46 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	3	V	N/A	Repair Completed	N/A
5/6/2010 6/18/2010		46 BENT RIVER BOULEVARD 46 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	43 Grinder Pump 43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	3	✓ ✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
12/1/2010		46 BENT RIVER BOULEVARD 46 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump 43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	2	1	· · · · · · · · · · · · · · · · · · ·	N/A	Repair Completed	N/A
9/9/2011		46 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	8	2	✓	N/A	Repair Completed	N/A
10/20/2014 8/24/2011		46 BENT RIVER BOULEVARD 47 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	43         Grinder Pump           43         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	525	53 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	2	1		N/A	Repair Completed	N/A
2/13/2014		71 BENT RIVER BOULEVARD 72 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	17	0.5		N/A	Repair Completed	N/A
6/5/2014 5/7/2015	-	23 BENT RIVER BOULEVARD 23 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	43         Grinder Pump           43         Residential Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	30	0.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
10/28/2013	533	39 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Residential Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.5		N/A	Repair Completed	N/A
12/24/2011 1/1/2012		47 BENT RIVER BOULEVARD 55 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	43         Grinder Pump           43         Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	5	1		N/A N/A	Repair Completed Repair Completed	N/A N/A
5/11/2012		56 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump	Grinder Pump Failure. Pump Kaiture at was cleaned.	5	1		N/A	Repair Completed	N/A
2/28/2012		56 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1.5	×	N/A	Repair Completed	N/A
7/25/2010 3/30/2012		63 BENT RIVER BOULEVARD 63 BENT RIVER BOULEVARD	FC FC	Fourth Creek Fourth Creek	43         Grinder Pump           43         Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	200	0.75		N/A N/A	Repair Completed Repair Completed	N/A N/A
6/22/2015		32 BUCKHEAD TRAIL	FC	Fourth Creek	43 Air Release Valve	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	200	3		N/A	Repair Completed	N/A
7/10/2013		10 COVE VIEW WAY	FC	Fourth Creek	43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	15	0.5		N/A	Repair Completed	N/A
11/11/2014 10/9/2013		04 KEEPESAKE WAY 00 LYONS BEND ROAD	FC FC	Fourth Creek Fourth Creek	43         Grinder Pump           43         HRC Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned. Construction Failure - Pump Testing Process Failure. The process was reinstated and the area was cleaned.	10	0.25		N/A N/A	Repair Completed Repair Completed	N/A N/A
10/3/2011	191	15 LYONS BEND ROAD	FC	Fourth Creek	43 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	0.5		N/A	Repair Completed	N/A
7/7/2014 9/8/2015		18 LYONS BEND ROAD 37 MARYVILLE PIKE	FC KUW	Fourth Creek Knob Creek	43         Air Release Valve           45         Grinder Pump	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	500 70	3		N/A N/A	Repair Completed Repair Completed	N/A N/A
8/3/2013		41 MARYVILLE PIKE	KUW	Knob Creek	45 Grinder Pump	Grinder Pump Failure. Pump was repared a the area was cleaned. Grinder Pump Failure. Pump was repared a the area was cleaned.	20	4		N/A N/A	Repair Completed	N/A N/A
4/4/2011		41 MARYVILLE PIKE	KUW	Knob Creek	45 Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
2/23/2012 3/11/2013		15 MARYVILLE PIKE 17 BALL ROAD	KUW FC	Knob Creek Fourth Creek	45 Grinder Pump 49 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	3		N/A N/A	Repair Completed Repair Completed	N/A N/A
9/12/2015		17 BALL ROAD	FC	Fourth Creek	49 Broken Force Main	Broken System - Broken Force Main. Force main was repaired & the area cleaned.	30,500	10		N/A	Repair Completed	N/A
11/5/2012 3/15/2013		23 BALL ROAD 23 BALL ROAD	FC	Fourth Creek	49 Broken Force Main 49 Broken Force Main	Broken System - Broken Force Main. Force main was repaired & the area cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	28,500	8	✓ 	N/A	Repair Completed	N/A
4/9/2012	-	03 SUMMER GROVE LANE	FC	Fourth Creek Fourth Creek	49 MH 19-63	Blockage – Debris. The sever main was repared a the area cleaned. Blockage – Debris. The sever main was fullyhed & area was cleaned.	100	1	•	N/A N/A	Repair Completed BA	N/A 12 Months
7/29/2013		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/A
11/21/2014 2/6/2015		15 E GOVERNOR JOHN SEVIER HIGHWAY	LC	Loves Creek Loves Creek	61 Combination Cleaner 62 Manhole 3	Construction Failure - Cleaning Equipment Process Failure and the area was cleaned. Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	1,200	1.67	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
2/9/2015		31 BAGWELL ROAD	LC		62 Manhole 3	Construction Failure - Stypass Fump Failure, Fump was reinstated as the area was cleaned. Construction Failure - Stypass Pump Failure, Pump was reinstated as the area was cleaned.	150	1	· · · · · · · · · · · · · · · · · · ·	N/A N/A	Repair Completed	N/A
3/24/2015		31 BAGWELL ROAD	LC	Loves Creek	62 Manhole 3	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	24,000	5.5	√	N/A	Repair Completed	N/A
11/21/2014 12/11/2014		19 E GOVERNOR JOHN SEVIER HIGHWAY 10 S RUGGLES FERRY PIKE	LC LC	Loves Creek Loves Creek	62 Manhole 1-2 & 4 62 Manhole 3-1	Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	Unknown Unknown	Unknown Unknown		N/A Construction Completed	Repair Completed N/A	N/A N/A
3/2/2011	78	31 BAGWELL ROAD	LC	Loves Creek	63 Pump Station	Heavy rainfall in the area resulted in high flows in the collection system.	576,000	12		N/A	Repair Completed	N/A
7/9/2012		31 BAGWELL ROAD	LC	Loves Creek	63 Broken Force Main	Broken System - Broken Force Main. Force main was repaired & the area cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	125	2 Unknown		N/A Future Construction Planned	Repair Completed	N/A
10/24/2014 1/14/2015		32 N WOODDALE ROAD 25 N WOODDALE ROAD	LC LC	Loves Creek Loves Creek	63         Manhole 20           63         Manholes 12 & 13	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	Unknown Unknown	Unknown	✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
3/11/2015	92	25 N WOODDALE ROAD	LC	Loves Creek	63 Manholes 12 & 13	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
4/20/2015 10/27/2014		25 N WOODDALE ROAD 31 N WOODDALE ROAD	LC LC	Loves Creek Loves Creek	63 Manholes 12 & 13 63 Manhole 12 & 13	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	Unknown Unknown	Unknown Unknown	✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
10/24/2014		41 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	✓	Future Construction Planned	N/A N/A	N/A N/A
7/17/2015	24	41 NEALS LANDING ROAD	LC	Loves Creek	63 Manhole 42	Heavy rainfall in the area resulted in high flows in the collection system.	0	Unknown	✓	Future Construction Planned	N/A	N/A
3/2/2011 12/23/2015		11 E GOVERNOR JOHN SEVIER HIGHWAY 01 STRAWBERRY PLAINS PIKE	KUW	Riverdale Riverdale	65         Pump Station           65         Air Release Valve	Heavy rainfall in the area resulted in high flows in the collection system. Construction Failure - Air Release Valve Flushing Failure. The valve was replaced & the area cleaned.	21,600 349,800	3		Construction Completed N/A	N/A Repair Completed	N/A N/A
7/22/2014	126	53 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		15 WAYLAND ROAD 37 ASHEVILLE HIGHWAY	LC EB	Loves Creek Eastbridge	67         Lateral Cleanout           72         MH 21-16	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	Unknown 400	Unknown		Future Construction Planned N/A	N/A BA	N/A 12 Months
3/9/2012 11/5/2012	845	55 STRAWBERRY PLAINS PIKE	EB	Eastbridge	72 MH 21-16 72 Broken Force Main	Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	400 460	4		N/A N/A	Repair Completed	12 Months N/A
9/24/2013	580	3 MILLERTOWN PIKE	LC	Loves Creek Loves Creek	105         Grinder Pump           105         Air Release Valve	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1 0.016		N/A Construction Completed	Repair Completed	N/A
6/19/2014	000			LOVES LIFEEK	AIT ROIOSSO VOIVO	Construction Failure by Customer. The valve was replaced and the area was cleaned.	2,700	0.016	v	Construction Completed	Repair Completed	N/A
12/11/2014		09 OLD RUTLEDGE PIKE 09 OLD RUTLEDGE PIKE	LC LC	Loves Creek	105 Air Release Valve	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	520	1	$\checkmark$	Construction Completed	Repair Completed	N/A
1/31/2014	620 630	09 OLD RUTLEDGE PIKE 01 OLD RUTLEDGE PIKE	LC LC	Loves Creek Loves Creek	105         Air Release Valve           105         Air Release Valve	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	575	1 0.083	✓	Construction Completed N/A	Repair Completed Repair Completed	N/A
1/31/2014 3/12/2012	620 630 171	09 OLD RUTLEDGE PIKE 01 OLD RUTLEDGE PIKE 11 TRANSPORT WAY	LC LC LC	Loves Creek Loves Creek Loves Creek	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	575 1	0.25	✓ 	N/A N/A	Repair Completed Repair Completed	N/A N/A
1/31/2014 3/12/2012	620 630 171 174	09 OLD RUTLEDGE PIKE 01 OLD RUTLEDGE PIKE	LC LC	Loves Creek Loves Creek	105         Air Release Valve           105         Air Release Valve	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	575		×	N/A	Repair Completed Repair Completed Repair Completed Repair Completed	N/A
1/31/2014 3/12/2012 2/15/2014 7/1/2009 4/7/2012	620 630 171 174 230 230	OLD RUTLEDGE PIKE     OLD RUTLEDGE PIKE     IOLD RUTLEDGE PIKE     II TRANSPORT WAY     RANSPORT WAY     WOODS CREEK ROAD     WOODS CREEK ROAD	LC LC LC LC LC LC LC	Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	575 1 5 50 5	0.25		N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed	N/A N/A N/A N/A N/A
3/12/2012 2/15/2014 7/1/2009	620 630 17 <sup>4</sup> 174 230 230 230	99 OLD RUTLEDGE PIKE 11 OLD RUTLEDGE PIKE 11 TRANSPORT WAY 18 TRANSPORT WAY 14 WOODS CREEK ROAD	LC LC LC LC LC LC	Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	575 1 5 50	0.25 0.5 1		N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed	N/A N/A N/A N/A N/A N/A
1/31/2014 3/12/2012 2/15/2014 7/1/2009 4/7/2012 8/24/2013 2/28/2011 7/3/2012	620 630 177 174 230 230 230 230 480 480	9 OLD RUTLEDGE PIKE 11 OLD RUTLEDGE PIKE 11 TRANSPORT WAY 18 TRANSPORT WAY 14 WOODS CREEK ROAD 14 WOODS CREEK ROAD 14 WOODS CREEK ROAD 15 WOODS CREEK ROAD 16 MALONEYVILLE ROAD 10 MALONEYVILLE ROAD 10 MALONEYVILLE ROAD 11 MALONEYVILLE ROAD 12 MALONEYVILLE ROAD 13 MALONEYVILLE ROAD 14 MOODS 14 MALONEYVILLE ROAD 15 MALONEYVI	LC LC LC LC LC LC LC EB EB	Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Eastbridge Eastbridge	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump           105         Grinder Pump & BBU           109         Bar Screen           109         Wetwell	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           Heavy rainfall in the area resulted in high flows in the collection system.           Blockage - Debris. The sewer main was flushed & area was cleaned.	575 1 5 50 5 20 3,750 1,800	0.25 0.5 1 1 1		N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed BA N/A	N/A
1/31/2014 3/12/2012 2/15/2014 7/1/2009 4/7/2012 8/24/2013 2/28/2011 7/3/2012 7/9/2012	620 630 17 17 233 230 230 230 486 486 486	99 OLD RUTLEDGE PIKE       11 OLD RUTLEDGE PIKE       11 RANSPORT WAY       18 TRANSPORT WAY       14 TRANSPORT WAY       14 WOODS CREEK ROAD       14 WOODS CREEK ROAD       10 WOODS CREEK ROAD       10 WOODS CREEK ROAD       10 WOODS CREEK ROAD       10 MALONEYVILLE ROAD       10 MALONEYVILLE ROAD       10 MALONEYVILLE ROAD	LC LC LC LC LC LC LC EB EB EB	Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Eastbridge Eastbridge Eastbridge	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump           109         Bar Screen           109         Wetwell           109         Wetwell	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           Heavy rainfall in the area resulted in high flows in the collection system.           Blockage - Debris. The sewer main was flushed & area was cleaned.           Blockage - Debris. The sewer main was flushed & area was cleaned.	575 1 50 5 20 3,750 1,800 50	0.25 0.5 1 1 1 1 1.25		N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed BA N/A N/A N/A	N/A N/A N/A N/A N/A 3 months N/A N/A
1/31/2014 3/12/2012 2/15/2014 7/1/2009 4/7/2012 8/24/2013 2/28/2011 7/3/2012	620 630 17 <sup>4</sup> 233 230 230 230 230 480 480 480 480	9 OLD RUTLEDGE PIKE 11 OLD RUTLEDGE PIKE 11 TRANSPORT WAY 18 TRANSPORT WAY 14 WOODS CREEK ROAD 14 WOODS CREEK ROAD 14 WOODS CREEK ROAD 15 WOODS CREEK ROAD 16 MALONEYVILLE ROAD 10 MALONEYVILLE ROAD 10 MALONEYVILLE ROAD 11 MALONEYVILLE ROAD 12 MALONEYVILLE ROAD 13 MALONEYVILLE ROAD 14 MOODS 14 MALONEYVILLE ROAD 15 MALONEYVI	LC LC LC LC LC LC LC EB EB	Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Eastbridge Eastbridge	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump           105         Grinder Pump & BBU           109         Bar Screen           109         Wetwell	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           Heavy rainfall in the area resulted in high flows in the collection system.           Blockage - Debris. The sewer main was flushed & area was cleaned.	575 1 5 50 5 20 3,750 1,800	0.25 0.5 1 1 1 1 1.25	✓	N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed BA N/A	N/A N/A N/A N/A N/A 3 months N/A N/A
1/31/2014 3/12/2012 2/15/2014 7/1/2009 4/7/2012 8/24/2013 2/28/2011 7/3/2012 7/9/2012 8/28/2015 2/2/2012 3/21/2015	620 630 177 230 230 230 480 480 480 480 480 722	99     OLD RUTLEDGE PIKE       11     OLD RUTLEDGE PIKE       11     TRANSPORT WAY       18     TRANSPORT WAY       14     WOODS CREEK ROAD       14     WOODS CREEK ROAD       14     WOODS CREEK ROAD       14     WOODS CREEK ROAD       10     MALONEYVILLE ROAD       10     WASHINGTON PIKE	LC           LC           LC           LC           LC           EB	Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump           109         Bar Screen           109         Wetwell           109         Wetwell           109         Grinder Pump           109         Residential grinder pump           109         Residential grinder pump	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           Blockage - Debris. The sever main was flushed & area was cleaned.           Blockage - Roots. The sever main was flushed & area was cleaned.           Blockage - Roots. The sever main was flushed & area was cleaned.           Blockage - Roots. The sever main was flushed & area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.	575 1 5 20 3,750 1,800 50 650 30 1	0.25 0.5 1 1 1.25 1 1 3 1.5 0.25		N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed Construction Completed N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed BA N/A N/A N/A BA Repair Completed Repair Completed	N/A
1/31/2014 3/12/2012 2/15/2014 7/1/2009 4/7/2012 8/24/2013 2/28/2011 7/3/2012 7/9/2012 8/28/2015 8/21/2015	620 633 177 233 233 233 480 480 480 480 72 <sup>2</sup> 777 776	99         OLD RUTLEDGE PIKE           11         OLD RUTLEDGE PIKE           11         TRANSPORT WAY           14         TRANSPORT WAY           14         WOODS CREEK ROAD           14         WOODS CREEK ROAD           14         WOODS CREEK ROAD           14         WOODS CREEK ROAD           10         MALONE VILLE ROAD           10         MALONE VVILLE ROAD           10         MASHINGTON PIKE           10         WASHINGTON PIKE           11         MOLAD           12         BUD HAWKINS ROAD	LC           LC           LC           LC           LC           EB           EB	Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump           109         Bar Screen           109         Wetwell           109         Wetwell           109         Grinder Pump           109         Residential grinder pump           113         Grinder Pump	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Blockage - Debris. The sever main was flushed & area was cleaned.           Blockage - Debris. The sever main was flushed & area was cleaned.         Blockage - Roots. The sever main was flushed & area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.         Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.         Grinder Pump Failure. Pump was repaired & the area was cleaned.	575 1 5 50 5 20 3,750 1,800 50 650 30 1 6	0.25 0.5 1 1 1 1.25 1 1 3 3 1.5		N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed Construction Completed N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed BA N/A N/A BA Repair Completed Repair Completed Repair Completed	N/A N/A N/A N/A N/A N/A 3 months N/A N/A N/A N/A
1/31/2014 3/12/2012 2/15/2014 7/1/2009 4/7/2012 8/24/2013 2/28/2011 7/3/2012 7/9/2012 8/28/2015 2/2/2012 3/21/2015 8/21/2015 8/21/2015	620 633 177 230 230 230 488 488 488 488 488 72 777 777 777 760 399 430	99     OLD RUTLEDGE PIKE       11     OLD RUTLEDGE PIKE       11     TRANSPORT WAY       18     TRANSPORT WAY       14     WOODS CREEK ROAD       14     WOODS CREEK ROAD       14     WOODS CREEK ROAD       10     MALONEYVILLE ROAD       10     MALONEYVILLE ROAD       10     MALONEYVILLE ROAD       10     MALONEYVILLE ROAD       11     WASHINGTON PIKE       12     BUD HAWKINS ROAD       14     ROBERTS ROAD	LC           LC           LC           LC           LC           EB	Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump           109         Bar Screen           109         Wetwell           109         Wetwell           109         Grinder Pump           109         Residential grinder pump           109         Residential grinder pump	Broken System - Air Release Valve Failure. The valve was replaced & the area deaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           Blockage - Debris. The sever main was flushed & area was cleaned.           Blockage - Debris. The sever main was flushed & area was cleaned.           Blockage - Roots. The sever main was flushed & area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was	575 1 5 20 3,750 1,800 50 650 30 1	0.25 0.5 1 1 1.25 1 1 3 1.5 0.25		N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed Construction Completed N/A N/A N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed BA N/A N/A N/A BA Repair Completed Repair Completed	N/A
1/31/2014 3/12/2012 2/15/2014 7/1/2009 4/7/2012 8/24/2013 2/28/2011 7/3/2012 7/9/2012 8/28/2015 3/21/2015 8/21/2015 1/27/2011 6/12/2009 9/14/2012	620 633 177 174 233 233 233 488 488 488 488 488 722 777 776 399 433 433 433	99         OLD RUTLEDGE PIKE           11         OLD RUTLEDGE PIKE           11         TRANSPORT WAY           18         TRANSPORT WAY           14         WOODS CREEK ROAD           14         WOODS CREEK ROAD           14         WOODS CREEK ROAD           10         MALONEYVILLE ROAD           11         ROBERTS ROAD           12         BUD HAWKINS ROAD           14         ROBERTS ROAD           10         ROBERTS ROAD           10         ROBERTS ROAD	LC LC LC LC LC LC LC LC LC EB EB EB EB EB EB EB EB EB EB EB EB EB	Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump           109         Bar Screen           109         Wetwell           109         Manhole 93-1           109         Grinder Pump           113         Grinder Pump           113         Grinder Pump           113         Grinder Pump           113         Grinder Pump	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU           Blockage - Debris. The sever main was flushed & area was cleaned.           Blockage - Debris. The sever main was flushed & area was cleaned.           Blockage - Roots. The sever main was flushed & area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned. <td>575           1           5           20           3,750           1,800           50           650           30           1           6           375           30           10</td> <td>0.25 0.5 1 1 1.5 0.25 0.5 2</td> <td></td> <td>N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed Construction Completed N/A N/A N/A N/A N/A N/A N/A N/A</td> <td>Repair Completed Repair Completed Repair Completed Repair Completed BA N/A N/A BA Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed</td> <td>N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A</td>	575           1           5           20           3,750           1,800           50           650           30           1           6           375           30           10	0.25 0.5 1 1 1.5 0.25 0.5 2		N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed Construction Completed N/A N/A N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed BA N/A N/A BA Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1/31/2014 3/12/2012 2/15/2014 7/1/2009 4/7/2012 8/24/2013 2/28/2011 7/3/2012 8/28/2015 2/2/2012 3/21/2015 1/27/2011 6/12/2009 9/14/2012 6/11/2011	620 633 177 233 233 233 233 233 233 233 233 233 2	99         OLD RUTLEDGE PIKE           11         OLD RUTLEDGE PIKE           11         TRANSPORT WAY           18         TRANSPORT WAY           14         WOODS CREEK ROAD           14         WOODS CREEK ROAD           14         WOODS CREEK ROAD           10         MALONEYVILLE ROAD           10         MALSHINGTON PIKE           20         BUD HAWKINS ROAD           14         ROBERTS ROAD           10         ROBERTS ROAD           14         ROBERTS ROAD           14         ROBERTS ROAD	LC LC LC LC LC LC LC LC LC EB EB EB EB EB EB EB EB EB EB EB EB EB	Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump           106         Grinder Pump           109         Bar Screen           109         Wetwell           109         Wetwell           109         Grinder Pump           113         Grinder Pump           113         Abandoned Air Release Valve           113         Grinder Pump           113         Grinder Pump           113         Grinder Pump	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         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.           Grinder Pump Failure. Pump was repaired & the area was cleaned.         Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.         Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.         Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.         Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder	575           1           5           20           3.750           1,800           50           650           30           1           6           375           30	$\begin{array}{c c} 0.25\\ \hline 0.5\\ \hline 1\\ 1\\ 1\\ 1.25\\ \hline 1\\ 1\\ 3\\ 0.25\\ \hline 0.5\\ \hline 2\\ 1\\ 1\\ 2\\ 1\\ 1\\ 1\\ 1\\ 1.5\\ \hline 0.25\\ \hline 0.5\\ 2\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\ 1\\$		N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed Construction Completed N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed BA N/A N/A BA Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A
1/31/2014 3/12/2012 2/15/2014 7/1/2009 4/7/2012 8/24/2013 2/28/2011 7/3/2012 7/9/2012 8/28/2015 3/21/2015 8/21/2015 1/27/2011 6/12/2009 9/14/2012	620 633 177 172 233 233 233 233 233 233 233 233 233 2	99         OLD RUTLEDGE PIKE           11         OLD RUTLEDGE PIKE           11         TRANSPORT WAY           18         TRANSPORT WAY           14         WOODS CREEK ROAD           14         WOODS CREEK ROAD           14         WOODS CREEK ROAD           10         MALONEYVILLE ROAD           11         ROBERTS ROAD           12         BUD HAWKINS ROAD           14         ROBERTS ROAD           10         ROBERTS ROAD           10         ROBERTS ROAD	LC LC LC LC LC LC LC LC LC EB EB EB EB EB EB EB EB EB EB EB EB EB	Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Loves Creek Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge Eastbridge	105         Air Release Valve           105         Air Release Valve           105         Grinder Pump           109         Bar Screen           109         Wetwell           109         Manhole 93-1           109         Grinder Pump           113         Grinder Pump           113         Grinder Pump           113         Grinder Pump           113         Grinder Pump	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU           Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU           Blockage - Debris. The sever main was flushed & area was cleaned.           Blockage - Debris. The sever main was flushed & area was cleaned.           Blockage - Roots. The sever main was flushed & area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned.           Grinder Pump Failure. Pump was repaired & the area was cleaned. <td>575           1           5           20           3,750           1,800           50           660           30           1           6           375           30           10           6</td> <td>0.25 0.5 1 1 1. 1.25 1 1.5 0.25 0.5 2 1</td> <td></td> <td>N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed Construction Completed N/A N/A N/A N/A N/A N/A N/A N/A</td> <td>Repair Completed Repair Completed Repair Completed Repair Completed BA N/A N/A BA Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed</td> <td>N/A           N/A           N/A           N/A           N/A           N/A           3 months           N/A           N/A</td>	575           1           5           20           3,750           1,800           50           660           30           1           6           375           30           10           6	0.25 0.5 1 1 1. 1.25 1 1.5 0.25 0.5 2 1		N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed Construction Completed N/A N/A N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed BA N/A N/A BA Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed	N/A           N/A           N/A           N/A           N/A           N/A           3 months           N/A           N/A

Date	Street # Street	Plant Wat	atershed Basir	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
1/23/2013	7920 WASHINGTON PIKE		astbridge 113	Grinder Pump	Location	Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	Duration (Hours)	times within 12 months	N/A	Repair Completed	N/A
1/13/2013	7939 WASHINGTON PIKE		astbridge 113			Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1	√ 	N/A	Repair Completed	N/A
4/26/2013 6/7/2013	7939 WASHINGTON PIKE		astbridge 113 astbridge 113			Grinder Pump Failure. Pump was repaired & the area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	1	✓ ✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
8/17/2012	8035 WASHINGTON PIKE	EB Eas	astbridge 113	Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5	1		N/A	Repair Completed	N/A
2/10/2013	3338 ROBERTS ROAD 1521 SAYLORS FORD ROAD		astbridge 114 astbridge 115			Grinder Pump Failure. Pump was repaired & the area was cleaned. WWTP - Mechanical Failure. Plant was reinstated.	15 435	1 0.75		N/A N/A	Repair Completed Repair Completed	N/A N/A
12/9/2015	310 BROOME ROAD		urth Creek 32A	_		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	13.000	13		N/A N/A	Repair Completed	N/A N/A
11/2/2013	508 BROOME ROAD	FC Four	urth Creek 32a	MH 15-6		Blockage - Roots. The sewer main was flushed & area was cleaned.	70	2		N/A	BA	12 Months
5/6/2013 3/7/2011	2722 CHUKAR ROAD 6540 CREEKHEAD DRIVE		urth Creek 32A urth Creek 32A			Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	5,500	2		N/A N/A	BA BA	6 Months 12 Months
3/19/2010	6549 CREEKHEAD DRIVE		urth Creek 32A			Blockage - Debris. The sewer main was flushed & area was cleaned.	2,030	0.5	· · · · · · · · · · · · · · · · · · ·	N/A	BA	12 Months
6/12/2013	6549 CREEKHEAD DRIVE		urth Creek 32a	MH 49-3		Vandalism. Blockage was removed & the area was cleaned.	3,000	2		N/A	Repair Completed	N/A
10/3/2002	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD		Irth Creek 32A Irth Creek 32A	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.	1200 18.000	2	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
2/27/2003	600 N GALLAHER VIEW ROAD		urth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system.	1890	21	✓ ✓	Construction Completed	N/A	N/A
5/6/2003	600 N GALLAHER VIEW ROAD		urth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system.	49,875	66.5	1	Construction Completed	N/A	N/A
7/2/2003	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD		urth Creek 32A urth Creek 32A			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.	14,440	24	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
11/19/2003	600 N GALLAHER VIEW ROAD		urth 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
2/6/2004	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD		urth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	6050 1680	23.5	√	Construction Completed	N/A N/A	N/A N/A
3/6/2004 6/27/2004	600 N GALLAHER VIEW ROAD		urth Creek 32A urth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system.	240	3.5	×	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/17/2004	600 N GALLAHER VIEW ROAD	FC Four	urth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system.	31,680	22	√	Construction Completed	N/A	N/A
11/24/2004	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD		urth Creek 32A			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	12	✓ ✓	Construction Completed	N/A N/A	N/A N/A
12/1/2004	600 N GALLAHER VIEW ROAD		urth Creek 32A urth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system.	20,160 390,240	14 24	· · · · · · · · · · · · · · · · · · ·	Construction Completed Construction Completed	N/A N/A	N/A N/A
12/9/2004	600 N GALLAHER VIEW ROAD	FC Four	urth 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
2/21/2005	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD		urth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system.	260000	20	✓ ✓	Construction Completed	N/A	N/A
4/2/2005 4/13/2005	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD		urth Creek 32A urth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	7,200 247,680	20 43	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
5/20/2005	600 N GALLAHER VIEW ROAD	FC Four	urth 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
7/19/2005	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD		urth Creek 32A	MH 77 MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1,037	3	✓	Construction Completed	N/A	N/A
4/8/2006 4/24/2006	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD	FC Four FC Four	Irth Creek 32A Irth Creek 32A	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.	38148 14890	17 6	×	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/24/2006	600 N GALLAHER VIEW ROAD	FC Four	Irth Creek 32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	3310000	5	✓	Construction Completed	N/A	N/A
1/7/2009 1/25/2010	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD		urth Creek 32A urth Creek 32A		_	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.	105,000 95580	26	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/1/2011	600 N GALLAHER VIEW ROAD		urth Creek 32A 32A			Heavy rainfall in the area resulted in high flows in the collection system.	24.000	2	↓ ✓	Construction Completed	N/A N/A	N/A
3/10/2011	600 N GALLAHER VIEW ROAD		urth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system.	468,000	39	✓	Construction Completed	N/A	N/A
4/16/2011	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD		urth Creek 32A			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	√ 	Construction Completed	N/A N/A	N/A
4/28/2011 1/15/2013	600 N GALLAHER VIEW ROAD		urth Creek 32A urth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system.	11,324,000	3 116	↓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
1/31/2013	600 N GALLAHER VIEW ROAD		irth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system.	570,700	9	✓	Construction Completed	N/A	N/A
7/7/2013 12/9/2013	600 N GALLAHER VIEW ROAD 600 N GALLAHER VIEW ROAD		urth Creek 32A urth Creek 32A			Heavy rainfall in the area resulted in high flows in the collection system. WW Storage Facility - Mechanical Failure. The facility was repaired & the area was cleaned.	540,000 59,000	24	<i>√</i>	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/28/2013	1224 PARK HILL CIRCLE	FC Four FC Four				Blockage - Roots. The sewer main was flushed & area was cleaned.	1,000	3.25	•	N/A	BA	12 Months
4/28/2012	6532 WESTSIDE DRIVE		urth Creek 32a			Vandalism. Blockage was removed & the area was cleaned.	66,000	5	✓	N/A	Repair Completed	N/A
1/17/2013 4/11/2013	6532 WESTSIDE DRIVE 900 CARRINGTON ROAD	FC Four FC Four	Irth Creek 32a Irth Creek 32b	MH 49-5 MH 4-92		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	~	Construction Completed N/A	N/A BA	N/A 12 Months
11/2/2013	409 N WINSTON ROAD		urth Creek 32B	-		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		urth Creek 32B		BBU	Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	300	2		N/A	Repair Completed	N/A
5/12/2015 12/31/2006	1511 CLINCH AVENUE 2004 NEYLAND DRIVE	KUW Seco KUW Thir		Lateral Cleanout MH 1		Blockage - Debris. The sewer main was flushed & area was cleaned. WWTP - Mechanical Failure. Plant was reinstated.	550 160000	1 0.33		N/A Future Construction Planned	BA N/A	12 Months N/A
9/26/2009	2004 NEYLAND DRIVE	KUW Seco		MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	250,000	0.26	✓	Future Construction Planned	N/A	N/A
12/9/2009	2004 NEYLAND DRIVE	KUW Seco		MH 1		WWTP - Electrical Failure. Electricity was restored.	3,300,000	0.87		Future Construction Planned	Repair Completed	N/A
3/23/2010	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE	KUW Seco				WWTP - Electrical Failure. Electricity was restored.	50000	0.05		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
2/28/2011 4/16/2011	2004 NEYLAND DRIVE	KUW Seco KUW Seco	ond Creek 35A ond 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.	360,000 20,000	0.5	↓ ✓	Future Construction Planned	N/A N/A	N/A N/A
9/18/2012	2004 NEYLAND DRIVE		ond Creek 35a	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	100,000	0.25	✓	Future Construction Planned	N/A	N/A
1/15/2013	2004 NEYLAND DRIVE	KUW Seco	ond Creek 35a			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
7/20/2011	1912 CUMBERLAND AVENUE		ird Creek 35b			Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	150	4		N/A	Repair Completed	N/A
8/22/2015 5/3/2012	1915 CUMBERLAND AVENUE 2010 CUMBERLAND AVENUE		ird Creek 35b ird Creek 35b	Unconnected Lateral		Construction Failure - Diockage by Construction Debris. The seven main was nushed a the area was cleaned. Construction Failure - Unconnected Lateral. Lateral was reconnected & the area was cleaned.	850	1.5	•	N/A N/A	Repair Completed Repair Completed	N/A N/A
2/8/2012	2021 CUMBERLAND AVENUE		ird Creek 35b			Blockage - Grease. The sewer main was flushed & area was cleaned.	100	3	✓	N/A	BA/Grease Control	12 Months
4/25/2015	2120 CUMBERLAND AVENUE		ird Creek 35b			Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	950	2.25	<i>✓</i>	N/A	Repair Completed	N/A
3/17/2002	2004 NEYLAND DRIVE		ird Creek 35B			Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	✓ ✓	Future Construction Planned Future Construction Planned	N/A	N/A
6/6/2002 7/30/2002	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE		ird Creek 35B ird Creek 35B			WWTP - Electrical Failure. Electricity was restored. WWTP - Electrical Failure. Electricity was restored.	38,000 10,000	0.25	v ✓	Future Construction Planned	N/A N/A	N/A N/A
9/21/2002	2004 NEYLAND DRIVE		ird Creek 35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,660,000	2.18	✓	Future Construction Planned	N/A	N/A
9/22/2002	2004 NEYLAND DRIVE	KUW Thir	ird Creek 35B			Heavy rainfall in the area resulted in high flows in the collection system.	1,300,000	1	1	Future Construction Planned	N/A	N/A
9/22/2002 2/14/2003	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE		ird Creek 35B ird Creek 35B		-	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	5,700,000	4.5	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
2/14/2003 2/15/2003	2004 NEYLAND DRIVE		ird Creek 35B			Heavy rainfall in the area resulted in high flows in the collection system.	11,700,000	1.5	✓ ✓	Future Construction Planned	N/A N/A	N/A N/A
2/16/2003	2004 NEYLAND DRIVE		ird Creek 35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	12,120,000	18	√ 	Future Construction Planned	N/A	N/A
2/17/2003	2004 NEYLAND DRIVE		ird Creek 35B			Heavy rainfall in the area resulted in high flows in the collection system.	1,480,000	7	✓	Future Construction Planned	N/A	N/A
2/21/2003 2/22/2003	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE		ird Creek 35B ird Creek 35B			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.	1,320,000	2.5 22.5	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/10/2003	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE		ird Creek 35B			Heavy rainfall in the area resulted in high flows in the collection system.	1,740,000	22.5		Future Construction Planned	N/A N/A	N/A N/A
5/5/2003	2004 NEYLAND DRIVE	KUW Thir	ird Creek 35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	1,050,000	3	✓	Future Construction Planned	N/A	N/A
5/6/2003	2004 NEYLAND DRIVE		ird Creek 35B			Heavy rainfall in the area resulted in high flows in the collection system.	22,060,000	15	✓	Future Construction Planned	N/A	N/A
5/7/2003 11/6/2003	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE		ird Creek 35B ird Creek 35B			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.	19,400,000 50,000	15.5 0.72	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
12/9/2004	2004 NEYLAND DRIVE		ird Creek 35B			Heavy rainfall in the area resulted in high flows in the collection system.	400,000	2.63		Future Construction Planned	N/A N/A	N/A N/A
3/3/2007	2004 NEYLAND DRIVE	KUW Thir	ird Creek 35B	MH 1		WWTP - Electrical Failure. Electricity was restored.	1,170,000	1.5	√	Future Construction Planned	Repair Completed	N/A
1/24/2002	2015 NEYLAND DRIVE		ird Creek 35B			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
1/25/2002 3/17/2002	2015 NEYLAND DRIVE 2015 NEYLAND DRIVE		ird Creek 35B ird Creek 35B	Secondary Junction Box 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
3/17/2002 3/18/2002	2015 NEYLAND DRIVE 2015 NEYLAND DRIVE		ird Creek 35B			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	✓ ✓	Future Construction Planned	N/A N/A	N/A N/A
9/21/2002	2015 NEYLAND DRIVE	KUW Thir		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
2/14/2003	2015 NEYLAND DRIVE		ird Creek 35B		_	Heavy rainfall in the area resulted in high flows in the collection system.	3000	0.25	✓	Future Construction Planned	N/A	N/A
	2015 NEYLAND DRIVE 2015 NEYLAND DRIVE		ird Creek 35B ird Creek 35B			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
2/15/2005			ird Creek 35B			Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	200	0.17		Future Construction Planned	N/A	N/A N/A
	2015 NEYLAND DRIVE					Heavy rainfall in the area resulted in high flows in the collection system.	9,000	1.5	1	Future Construction Planned	N/A	N/A
2/15/2005 2/22/2005 3/22/2005 4/2/2005	2015 NEYLAND DRIVE		ird Creek 35B									
2/15/2005 2/22/2005 3/22/2005 4/2/2005 5/20/2005	2015 NEYLAND DRIVE 2015 NEYLAND DRIVE	KUW Thir	ird Creek 35B	Primary Clarifiers # 3-4 Influent Boxes		Heavy rainfall in the area resulted in high flows in the collection system.	500	0.17		Future Construction Planned	N/A	N/A
2/15/2005 2/22/2005 3/22/2005 4/2/2005	2015 NEYLAND DRIVE	KUW Thir KUW Thir		Primary Clarifiers # 3-4 Influent Boxes								

							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
2/18/2008	20	015 NEYLAND DRIVE	KUW	Third Creek	35B	Primary Sludge Pipe		Broken System - Sludge Line Leak. The leak was repaired & the area cleaned.	2,128	0.083		Future Construction Planned	Repair Completed	N/A
6/11/2008	20	015 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
9/4/2008	20	015 NEYLAND DRIVE	KUW	Third Creek	35B	Broken Gravity Main		Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	50	0.083		Future Construction Planned	Repair Completed	N/A
1/31/2012	20	015 NEYLAND DRIVE	KUW	Third 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
5/15/2012	20	015 NEYLAND DRIVE	KUW	Third Creek	35b	#2 Digester		WWTP Process Failure. WWTP process was reinstated & the area was cleaned.	100	0.33	✓	Future Construction Planned	Repair Completed	N/A
10/5/2012	20	015 NEYLAND DRIVE	KUW	Third Creek	35b	Broken Force Main		Broken System - Broken Force Main. Force main was repaired & the area cleaned.	100	1		Future Construction Planned	Repair Completed	N/A
9/21/2013	20	015 NEYLAND DRIVE	KUW	Third Creek	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	20	015 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
6/26/2014	20	015 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
7/11/2014	20	015 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
8/5/2014	20	015 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
3/10/2011	23	377 NEYLAND DRIVE	KUW	Third Creek	35B	MH 3		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Future Construction Planned	N/A	N/A
1/28/2013	23	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
3/14/2014	20	015 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

3/18/2002 5/3/2002 7/12/2002 9/5/2002 9/5/2002 9/21/2002 10/4/2002 2/14/2003 2/22/2003 2/22/2003 2/22/2003 2/22/2003 2/22/2003 5/5/2003 5/5/2003 5/5/2003 5/31/2004 6/25/2004 7/27/2004 12/9/2004 12/9/2004 12/9/2004 2/10/2005 2/2/2005	2600 V 7661 E 2600 V 2600 V 2600 V 2600 V 2600 V 203 S 2600 V 2600 V 7661 E 7112 S	Street WOODSON DRIVE WOODSON DRIVE SUD HAWKINS ROAD SHADYLAND DRIVE WOODSON DRIVE SHADYLAND DRIVE SHADYLAND DRIVE WOODSON DRIVE	Plant         Watershed           KUW         South Knoxville           KUW         South Knoxville           EB         Eastbridge           FC         Fourth Creek           KUW         South Knoxville	e 44 113	Overflow Location MH 2-1 MH 2-1 Wetwell	Location         Cause of SSO/KUB Response           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.	Volume (Gallons) 3000 900 1000	Duration (Hours) 10 1	within 12 months ✓ ✓	Long-Term Capital Project Construction Completed Construction Completed	Blockage Abatement (BA) N/A N/A	BA Schedule N/A
7/12/2002 9/5/2002 9/5/2002 10/4/2002 11/13/2002 2/14/2003 2/22/2003 2/22/2003 2/22/2003 3/9/2003 3/9/2003 5/5/2003 5/5/2003 5/5/2004 5/31/2004 6/17/2004 6/25/2004 12/9/2004 12/9/2004 12/9/2004	7661 E 7112 S 2600 V 2600 V 7112 S 2600 V 203 S 2600 V 7661 E 7112 S	BUD HAWKINS ROAD SHADYLAND DRIVE WOODSON DRIVE WOODSON DRIVE SHADYLAND DRIVE	EB Eastbridge FC Fourth Creek KUW South Knoxville	113				1	~	Construction Completed	N/A	
9/5/2002 9/21/2002 10/4/2002 2/14/2003 2/22/2003 2/22/2003 2/22/2003 2/22/2003 2/22/2003 2/22/2003 2/26/2003 4/10/2003 5/5/2003 5/11/2003 2/6/2004 5/31/2004 6/25/2004 7/27/2004 12/9/2004 12/9/2004 2/10/2005	7112 \$ 2600 V 2600 V 7112 \$ 2600 V 200 \$ 203 \$ 2600 V 7661 \$ 7112 \$	SHADYLAND DRIVE WOODSON DRIVE WOODSON DRIVE SHADYLAND DRIVE	FC Fourth Creek KUW South Knoxville			Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	1000	3		N/A	Repair Completed	N/A N/A
10/4/2002 11/13/2002 2/14/2003 2/22/2003 2/22/2003 2/22/2003 2/26/2003 3/9/2003 4/10/2003 5/5/2003 5/5/2003 5/5/2004 5/31/2004 6/25/2004 7/27/2004 12/9/2004 12/9/2004 2/10/2005 2/2/2005	2600 V 7112 S 2600 V 203 S 2600 V 7661 E 7112 S	WOODSON DRIVE SHADYLAND DRIVE			MH 36	Blockage - Roots. The sewer main was flushed & area was cleaned.	180	3	✓	Construction Completed	BA	12 Months
11/13/2002 2/14/2003 2/22/2003 2/22/2003 2/22/2003 2/26/2003 4/10/2003 5/5/2003 5/5/2003 5/11/2003 2/6/2004 5/31/2004 6/25/2004 7/27/2004 12/9/2004 12/9/2004 12/9/2004	7112 S 2600 V 203 S 2600 V 7661 E 7112 S	SHADYLAND DRIVE	KUW South Knoxville		MH 2-1 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.	28,800	12	✓ ✓	Construction Completed Construction Completed	N/A Repair Completed	N/A 12 Months
2/22/2003 2/22/2003 2/26/2003 3/9/2003 4/10/2003 5/5/2003 5/11/2003 5/11/2003 5/31/2004 6/25/2004 6/25/2004 7/27/2004 12/9/2004 12/9/2004 2/10/2005 2/23/2005	203 S 2600 V 7661 E 7112 S	NOODSON DRIVE	FC Fourth Creek	36	MH 36	Blockage - Roots. The sewer main was flushed & area was cleaned.	720	4	✓	Construction Completed	BA	12 Months
2/22/2003 2/26/2003 3/9/2003 4/10/2003 5/5/2003 5/11/2003 5/11/2003 5/31/2004 6/25/2004 7/27/2004 12/9/2004 12/9/2004 12/9/2004 2/10/2005 2/2/2005	2600 V 7661 E 7112 S	S CHILHOWEE DRIVE	LC Loves Creek	e 44 20	MH 2-1 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
3/9/2003 4/10/2003 5/5/2003 5/11/2003 2/6/2004 6/17/2004 6/25/2004 7/27/2004 12/9/2004 12/9/2004 2/10/2005 2/23/2005	7112 5	WOODSON DRIVE	KUW South Knoxville	e 44	MH 2-1	Heavy rainfall in the area resulted in high flows in the collection system.	10,500	70	✓	Construction Completed	N/A	N/A
4/10/2003 5/5/2003 5/11/2003 2/6/2004 5/31/2004 6/17/2004 6/25/2004 12/9/2004 12/9/2004 12/9/2004 2/10/2005 2/23/2005			EB Eastbridge FC Fourth Creek	113	Wetwell MH 36	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	100	0.17	✓	N/A Construction Completed	Repair Completed BA	N/A
5/11/2003 2/6/2004 5/31/2004 6/17/2004 6/25/2004 7/27/2004 12/9/2004 12/9/2004 12/9/2004 2/10/2005 2/23/2005	2000	SHADYLAND DRIVE WOODSON DRIVE	FC Fourth Creek KUW South Knoxville		MH 36 MH 2-1	Blockage - Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	<u>19,200</u> 510	40	✓ ✓	Construction Completed Construction Completed	N/A	12 Months N/A
2/6/2004 5/31/2004 6/17/2004 6/25/2004 7/27/2004 12/9/2004 12/9/2004 2/10/2005 2/23/2005		WOODSON DRIVE WOODSON DRIVE	KUW South Knoxville KUW South Knoxville		MH 2-1 MH 2-1	Heavy rainfall in the area resulted in high flows in the collection system.	3300 300	550 1.5	√ √	Construction Completed	N/A N/A	N/A N/A
6/17/2004 6/25/2004 7/27/2004 12/9/2004 12/9/2004 2/10/2005 2/23/2005		SEVENTH AVENUE	KUW First Creek	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.	6660	18.5	✓ ✓	Construction Completed Construction Underway	BA	12 Months
6/25/2004 7/27/2004 12/9/2004 12/9/2004 2/10/2005 2/23/2005		WOODSON DRIVE E MOODY AVENUE	KUW South Knoxville		MH 2-1 MH 39	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	2400	1		Construction Completed	N/A	N/A
7/27/2004 12/9/2004 12/9/2004 2/10/2005 2/23/2005	-	E MOODY AVENUE	KUW South Knoxville KUW South Knoxville		MH 39 MH 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	4675 1080	4	×	Construction Completed Construction Completed	N/A N/A	N/A N/A
12/9/2004 2/10/2005 2/23/2005	1210 E	E MOODY AVENUE	KUW South Knoxville	e 40	MH 39	Heavy rainfall in the area resulted in high flows in the collection system.	1440	4	1	Construction Completed	N/A	N/A
2/23/2005		E MOODY AVENUE SEVENTH AVENUE	KUW South Knoxville KUW First Creek	e 40 18	MH 39 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.	85,170 26,928	41.75 8	✓ ✓	Construction Completed Construction Underway	N/A BA	N/A 12 Months
		MALONEYVILLE ROAD	EB Eastbridge	109	MH 93-10	Blockage - Debris. The sewer main was flushed & area was cleaned.	1410	4	✓	Construction Completed	BA	6 Months
6/10/2005		TILLERY DRIVE BUD HAWKINS ROAD	EB Eastbridge	10	MH 16-6 Wetwell	Blockage - Grease. The sewer main was flushed & area was cleaned. Pump Station - Mechanical Failure due to lightning strike. Station was repaired & the area was cleaned.	720 2.880	3		N/A N/A	BA/Grease Control Repair Completed	6 Months N/A
10/31/2005	5001 M	MALONEYVILLE ROAD	EB Eastbridge	109	MH 93-10	Blockage - Debris. The sewer main was flushed & area was cleaned.	6,101	1.5	✓	Construction Completed	BA	6 Months
1/17/2006 4/4/2006		MALONEYVILLE ROAD BALL ROAD	EB Eastbridge FC Fourth Creek	109 49	MH 93-10 Broken Force Main	Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	408	1 252	¥	Construction Completed N/A	BA Repair Completed	1 Month N/A
6/7/2006	8530	CROSSWIND LANDING LANE	EB Eastbridge	110	Wetwell	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	150	0.5		N/A	Repair Completed	N/A
6/26/2006 8/4/2006		BUD HAWKINS ROAD	EB Eastbridge KUW South Knoxville	113	Wetwell 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.	600 500	1		Construction Completed Construction Completed	N/A Repair Completed	N/A N/A
9/23/2006	1210 E	E MOODY AVENUE	KUW South Knoxville		MH 39	Heavy rainfall in the area resulted in high flows in the collection system.	8640	6	✓	Construction Completed	N/A	N/A
9/23/2006 9/25/2006		SHADYLAND DRIVE S CHILHOWEE DRIVE	FC Fourth Creek	36 20	MH 36 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	BA	6 Months 12 Months
9/28/2006		SEVENTH AVENUE	LC Loves Creek KUW First Creek	18	MH 25 MHs 15 & 16	Blockage - Roots. The sewer main was flushed & area was cleaned.	6209	6	✓	Construction Completed Construction Underway	BA	6 Months
10/27/2006		MYNDERSE AVENUE	KUW Third Creek	22	MH 18-3	Heavy rainfall in the area resulted in high flows in the collection system.	5100	5		Future Construction Planned	BA	6 Months
11/1/2006 11/1/2006		E MOODY AVENUE SEVENTH AVENUE	KUW South Knoxville KUW First Creek	e 40 18	MH 39 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.	720 558	4	✓ ✓	Construction Completed Construction Underway	N/A BA	N/A 6 Months
1/8/2007	304 5	SEVENTH AVENUE	KUW First Creek	18	MH 15	Blockage - Roots. The sewer main was flushed & area was cleaned.	720	2	√	Construction Underway	BA	6 Months
7/23/2007 8/19/2007		MALONEYVILLE ROAD	EB Eastbridge EB Eastbridge	109 109	MH 93-26 MH 93-26	Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned. Blockage - Debris at Pump Station. Blockage was removed & the area was cleaned.	3,000	1	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
5/6/2008	2052 [	DANDRIDGE AVENUE	KUW Williams Creek		MH 4-103	Blockage - Debris. The sewer main was flushed & area was cleaned.	115	0.25		N/A	BA	6 Months
5/28/2008 7/30/2008		S CHILHOWEE DRIVE	LC Loves Creek	20 21	MH 25 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.	16 4.900	0.5		Construction Completed N/A	N/A BA	N/A 6 Months
12/3/2008		KINGSTON PIKE	KUW Third Creek	21	Broken Gravity Main	Broken System - Broken Gravity Main. The sever main was repaired & the area was cleaned.	200	10		Construction Completed	N/A	N/A
12/10/2008		E MOODY AVENUE	KUW South Knoxville		MH 39	Heavy rainfall in the area resulted in high flows in the collection system.	1,100	4		Construction Completed	N/A	N/A
12/11/2008 1/6/2009		SHADYLAND DRIVE BUD HAWKINS ROAD	EB Eastbridge	36	MH 36 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.	62	1 8	×	Construction Completed Construction Completed	BA N/A	6 Months N/A
1/6/2009		CECIL AVENUE	KUW First Creek	18	MH 30-11	Heavy rainfall in the area resulted in high flows in the collection system.	4,575	9	1	Construction Completed	BA/Grease Control	6 Months
1/6/2009	-	E MOODY AVENUE	KUW South Knoxville KUW Third Creek	e 40 34	MH 39 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.	7,400 5.600	14.5 11	×	Construction Completed Construction Completed	N/A N/A	N/A N/A
1/6/2009		MARYVILLE PIKE	KUW South Knoxville		MH 27-115	Blockage - Debris. The sewer main was flushed & area was cleaned.	15,000	14.75	✓	N/A	BA	6 Months
1/6/2009		S CHILHOWEE DRIVE SHADYLAND DRIVE	LC Loves Creek	20	MH 25 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.	6,100 17,300	12 24	¥	Construction Completed Construction Completed	N/A BA	N/A 6 Months
1/7/2009		SHADTLAND DRIVE	KUW First Creek	1	MH 36	Blockage - Roots. The sewer main was flushed & area was cleaned.	5,040	14		N/A	BA	3 Months
1/10/2009		ROWAN ROAD	KUW Second Creek	-	MH 17-47	Blockage - Roots. The sewer main was flushed & area was cleaned.	1,080	2		N/A	BA	3 Months
1/11/2009 1/12/2009		CLINCH AVENUE	KUW Second Creek FC Fourth Creek	23 36	Undesignated MH MH 12-86	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	75	2 3.5		N/A N/A	BA BA	6 Months 6 months
1/22/2009	9027 M	MASCOT ROAD	EB Eastbridge	114	Leaking ARV	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	75	1		N/A	Repair Completed	N/A
1/29/2009 2/7/2009	-	E FIFTH AVENUE	KUW First Creek	24 6	MH 29-2 MH 29-161	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	765	1.5 4		N/A N/A	BA BA	12 Months 6 Months
2/13/2009	4712 M	MOSS DRIVE	KUW Third Creek	13	Lateral Cleanout	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	750	1	✓	N/A	BA/Grease Control	3 Months
2/18/2009 2/20/2009		WOODSON DRIVE SIXTEENTH AVENUE	KUW South Knoxville KUW Second Creek		MH 2-1 MH 21-33	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	190 255	0.25		Construction Completed N/A	N/A BA/Grease Control	N/A 6 Months
2/21/2009	5534	JACKSBORO PIKE	KUW First Creek	3	Broken Gravity Main	Construction Failure - There was a pipe separation at a temporary connection to the sewer main.	960	8		N/A	Repair Completed	N/A
3/2/2009 3/4/2009		MALONEYVILLE ROAD MOSS DRIVE	EB Eastbridge KUW Third Creek	109	MH 93-10 MH 43 and Lateral Cleanout	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	360 250	2 0.5	4	Construction Completed N/A	BA/Grease Control BA/Grease Control	1 Month 3 Months
3/6/2009		NGERSOLL AVENUE	KUW Third Creek KUW South Knoxville		MH 4-13	Blockage - Grease and Roots. The server main was inside to a real was cleaned. Blockage - Grease and Roots. The server main was flushed & area was cleaned.	405	6	· · · · · · · · · · · · · · · · · · ·	N/A N/A	BA/Grease Control	6 months
3/7/2009		WILSON ROAD	KUW Second Creek		Lateral Cleanout	Blockage - Debris. The sewer main was flushed & area was cleaned.	95	3		N/A	BA	6 Months
3/9/2009 3/18/2009		DGLEWOOD AVENUE GREENWAY DRIVE	KUW First Creek	16 2	Lateral Cleanout and BBU Private Sewer Connection	BBU Blockage - Debris. The sewer main was flushed & area was cleaned. Construction Failure - Unconnected Private Sewer Main. Private sewer main was reconnected & the area was cleaned.	13 Unknown	0.5 Unknown		N/A Construction Completed	BA N/A	6 Months N/A
3/26/2009	6024 E	BROOKVALE LANE	FC Fourth Creek	33	MH 15	Heavy rainfall in the area resulted in high flows in the collection system.	90	1	√	Construction Completed	N/A	N/A
3/26/2009 4/13/2009		ROSEWOOD ROAD FRATERNITY PARK DRIVE	LC Loves Creek KUW Third Creek	105 35B	Grinder Pump & BBU Patio and BBU	BBU         Grinder Pump Failure. Pump was repaired & the area was cleaned.           BBU         The capacity of the sewer main was exceeded when a swimming pool was drained.	<u>5</u> 650	1.5 2.25		N/A N/A	Repair Completed Repair Completed	N/A N/A
4/15/2009	811 E	EDWARDS DRIVE	KUW Knob Creek	41	MH 107	Blockage - Grease. The sewer main was flushed & area was cleaned.	60	1		N/A	BA/Grease Control	6 months
4/29/2009 5/7/2009		_AKE AVENUE MCCAMPBELL LANE	KUW Third Creek KUW First Creek	35B 2	Lateral Cleanout MH 43-64	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	710 270	2.25 1.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
5/8/2009	2305 0	CLINCH AVENUE	KUW Third Creek	35B	MH 23-27	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	180	1		N/A	Repair Completed	N/A
5/8/2009 5/15/2009		E MOODY AVENUE MARYVILLE PIKE	KUW South Knoxville KUW South Knoxville		MH 39 MH 27-115	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.	540 22	1.5 1	✓ ✓	Construction Completed N/A	N/A BA	N/A 6 Months
5/25/2009	1800 M	MIDDLEBROOK PIKE	KUW Third Creek	29	MH 38	Blockage - Grease. The sewer main was flushed & area was cleaned.	162	1		N/A	BA/Grease Control	3 Months
6/5/2009 6/6/2009		DAVANNA STREET FERNBANK ROAD	KUW Second Creek		MH 8 Lateral Cleanout	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Grease. The sewer main was flushed & area was cleaned.	3,990 44	4 4	✓	Construction Completed N/A	N/A BA/Grease Control	N/A 6 Months
6/13/2009	835 F	FARRAGUT AVENUE	KUW First Creek	16	MH 24-45	Blockage - Debris. The sewer main was flushed & area was cleaned.	54	0.5		N/A	BA	6 Months
6/15/2009 6/17/2009		GERTRUDE AVENUE	KUW South Knoxville KUW South Knoxville		MH 3-70 MH 39	Blockage - Roots and Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	60 51,771	0.5 3	✓	N/A Construction Completed	BA N/A	6 Months N/A
6/18/2009	2303 0	CLINCH AVENUE	KUW Third Creek	35B	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
6/22/2009 6/24/2009		TILLERY DRIVE DANDRIDGE AVENUE	KUW Second Creek KUW Williams Creek		Lateral Cleanout MH 4-103 and Lateral Cleanout	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	150 344	1		N/A N/A	BA/Grease Control BA/Grease Control	3 Months 12 Months
6/26/2009	2305 0	CLINCH AVENUE	KUW Third Creek	35B	MH 39	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	2,328	0.0166		N/A	Repair Completed	N/A
6/26/2009			KUW Third Creek	21	MH 27-6	Blockage - Roots, Grease, and Debris. The sewer main was flushed & area was cleaned.	153	1.5		N/A Construction Completed	BA/Grease Control	3 Months
7/13/2009 7/16/2009		E MOODY AVENUE CORTETLAND DRIVE	FC Fourth Creek		MH 39 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.	254 9	1	•	Construction Completed N/A	N/A BA	N/A 3 Months
7/23/2009	5212 E	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
7/23/2009 7/27/2009		CHUKAR ROAD HIGHLAND DRIVE	FC Fourth Creek	32A 4	Bypass System MH 11-21	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 3 Months
7/28/2009	1210 E	E MOODY AVENUE	KUW 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
7/31/2009	1210 E	E MOODY AVENUE	KUW South Knoxville	e 40	MH 40	Heavy rainfall in the area resulted in high flows in the collection system.	40	0.5	√	Construction Completed	N/A Densis Completed	N/A
8/11/2009 8/12/2009		MILLERTOWN PIKE SANDIS LANE	LC Loves Creek	6 20	Lateral Cleanout Broken Force Main	Construction Failure - Dig-In. Lateral was repaired & the area was cleaned. Construction Failure - Dig-In. Force main was repaired & the area was cleaned.	137 5,240	72 Intermittently 1		N/A N/A	Repair Completed Repair Completed	N/A N/A
8/17/2009	119 V	W GLENWOOD AVENUE	KUW First Creek	17	Subsurface	Blockage - Grease. The sewer main was flushed & area was cleaned.	900	8 Intermittently	,	Construction Completed	BA/Grease Control	6 Months
9/26/2009 9/26/2009		DAVANNA STREET E MOODY AVENUE	KUW Second Creek KUW South Knoxville		MH 8 MH 40	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 1,780	1 3	✓ ✓	Construction Completed Construction Completed	N/A N/A	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
9/28/2009	2706	MYNDERSE AVENUE	KUW Third Creek	22	MH 18-3	Blockage - Grease. The sewer main was flushed & area was cleaned.	1,000	1	√	Future Construction Planned	BA/Grease Control	3 Months
9/29/2009		W CLIFF DRIVE ASHEVILLE HIGHWAY	FC Fourth Creek	32A 20	MH 36-7 MH 34-23	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	65 50	1 0.5		N/A Construction Completed	BA/Grease Control N/A	6 Months N/A
10/16/2009	7100 F	ROTHERWOOD DRIVE	FC Fourth Creek	36	MH 33	Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	700	1.5	✓	Construction Completed	N/A	N/A
10/20/2009 10/26/2009		TALLY HO DRIVE WESTLAND DRIVE	KUW South Knoxville FC Fourth Creek	e 39 36	MH 62-21 Subsurface	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	1,870	2		N/A Construction Completed	BA N/A	6 Months N/A
10/30/2009	1408	MIDDLE DRIVE	KUW Second Creek		Subsurface	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	7,190	6.5		N/A	Repair Completed	N/A
11/5/2009 11/6/2009		LANDVIEW DRIVE DRY GAP PIKE	LC Loves Creek KUW Second Creek	26 5	MH 72-134 MH 16-67	Blockage - Roots. The sewer main was flushed & area was cleaned. Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	260 205	1		N/A N/A	BA N/A	6 Months N/A
11/8/2009		SEVIERVILLE PIKE	KUW Second Creek		MH 107-2	Blockage - Grease. The sewer main was flushed & area was cleaned.	510	1		N/A N/A	BA/Grease Control	6 months
11/12/2009		TENNESSEE AVENUE	KUW Third Creek	22	MH 16-13	Blockage - Roots. The sewer main was flushed & area was cleaned.	310	1		N/A N/A	BA	6 Months
11/24/2009 12/9/2009		S CONCORD STREET CECIL AVENUE	KUW Third Creek KUW First Creek	29 18	MH 8-10 MH 30-11	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	60 40	1 0.5	✓	N/A Construction Completed	BA/Grease Control N/A	12 Months N/A
12/15/2009	1411 [	DAVANNA STREET	KUW Second Creek	15	MH 8	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	$\checkmark$	Construction Completed	N/A	N/A
1/18/2010 1/18/2010		LYNNWOOD DRIVE POLKWRIGHT LANE	KUW First Creek FC Fourth Creek	3	MH 2-98 Grinder Pump	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	130	0.5		N/A N/A	BA/Grease Control Repair Completed	6 Months N/A
1/24/2010	1109 E	BIDDLE STREET	KUW Williams Creek	-	Lateral Cleanout & BBU	BBU Blockage - Roots. The sewer main was flushed & area was cleaned.	1000	1		N/A	BA	6 Months
1/24/2010 1/24/2010		CECIL AVENUE SEVENTH AVENUE	KUW First Creek	18 18	MH 30-11 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.	138060	8	✓	Construction Completed Construction Underway	BA BA	6 Months 6 Months
1/25/2010	6621 (	CLINTON HIGHWAY	KUW Third Creek	50	Air Release Valve	Broken System - Air Release Valve Failure. The valve was replaced & the area cleaned.	190	2		N/A	Repair Completed	N/A
1/25/2010 1/25/2010		DAVANNA STREET E MOODY AVENUE	KUW Second Creek	-	MH 8 MH 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	Unknown Unknown	Unknown Unknown	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
1/25/2010		ROTHERWOOD DRIVE	FC Fourth Creek	36	MHs 32, 33, 34 & 36	Heavy rainfall in the area resulted in high flows in the collection system.	41575	36	√	Construction Completed	N/A	N/A N/A
1/25/2010 1/27/2010		WILKERSON ROAD KINGSTON PIKE	KUW Third Creek KUW Third Creek	9	Lateral Cleanout Broken Gravity Main	Heavy rainfall in the area resulted in high flows in the collection system. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	5	1		N/A	Repair Completed Repair Completed	N/A N/A
1/28/2010		E INSKIP DRIVE	KUW First Creek	34	MH 29-63	Blockage - Debris. The sewer main was flushed & area was cleaned.	410	1		Construction Completed	N/A	N/A N/A
2/2/2010		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 N/A	BA	6 Months
2/4/2010 2/5/2010		THORNWOOD ROAD BRAGG STREET	KUW Third Creek	13 22	MH 17-92 MH 21-123	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	250 60	1.5		N/A N/A	BA/Grease Control BA	6 Months 6 Months
2/5/2010	2430 H	HIGHLAND DRIVE	KUW First Creek	4	Lateral Cleanout	Blockage - Debris. The sewer main was flushed & area was cleaned.	2290	1.5		Future Construction Planned	BA	6 Months
2/5/2010 2/5/2010		MYNDERSE AVENUE ROTHERWOOD DRIVE	KUW Third Creek FC 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	8 71	✓ ✓	Future Construction Planned Construction Completed	BA N/A	6 Months N/A
2/10/2010	800 E	BENNETT PLACE	FC Fourth Creek	32B	Broken Gravity Main	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	45900	72	√	Construction Completed	Repair Completed	N/A
2/14/2010 2/15/2010		LINGBURTON AVENUE THIRTEENTH STREET	LC Loves Creek KUW Second Creek	20 23	Lateral Cleanout Broken Gravity Main	Grinder Pump Failure. Pump was repaired & the area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	5 100	5		N/A N/A	Repair Completed Repair Completed	N/A N/A
2/21/2010	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
3/7/2010 3/8/2010		VALLEY VIEW DRIVE SANDERSON ROAD	KUW First Creek KUW Third Creek	8 28	MH 9-86 MH 16-27	Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned.	1590 50	1.5		N/A N/A	Repair Completed Repair Completed/BA	N/A 6 Months
3/10/2010	6024	BROOKVALE LANE	FC Fourth Creek	33	MH 15	Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown	√	Construction Completed	N/A	N/A
3/10/2010 3/12/2010		KNOXVILLE COLLEGE DRIVE BAY STREET	KUW Third Creek	22 13	MH 6-78 MH 34-31	Vandalism. Blockage was removed & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	1250 230	1		N/A N/A	BA BA	12 Months 12 Months
3/17/2010	2217	MARTIN LUTHER KING JR DRIVE	KUW First Creek	24	MH 6-152 & Privately Owned MH	Blockage - Debris. The sewer main was flushed & area was cleaned.	530	0.5		N/A	BA	6 Months
3/18/2010 4/9/2010		TENNYSON DRIVE ASHEVILLE HIGHWAY	FC Fourth Creek EB Eastbridge	32A 72	MH 49-182 Private Property/BBU	Blockage - Debris. The sewer main was flushed & area was cleaned. BBU Blockage - Debris. The sewer main was flushed & area was cleaned.	20,825 950	168 Intermittently		N/A N/A	BABA	6 Months 12 Months
4/17/2010	5105 E	BALL ROAD	KUW Third Creek	49	Broken Force Main	Broken System - Broken Force Main. Force main was repaired & the area cleaned.	72675	2		N/A	Repair Completed	N/A
4/17/2010 4/30/2010		KINGSTON PIKE DEANE HILL DRIVE	FC Fourth Creek	34 36	MH 58 MH 3-176	Broken System - Protruding Lateral. The lateral was repaired & the area was cleaned. Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	290 4320	1.4		Construction Completed N/A	N/A Repair Completed	N/A N/A
5/3/2010		ARTHUR STREET	KUW Second Creek		MH 19-132	Blockage - Grease. The sewer main was flushed & area was cleaned.	360	2		N/A	BA/Grease Control	6 Months
5/3/2010 5/3/2010		CECIL AVENUE DAVANNA STREET	KUW First Creek KUW Second Creek	18 15	MH 30-11 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.	4200	2.25	√	Construction Completed Construction Completed	BA N/A	6 Months N/A
5/3/2010		E MOODY AVENUE	KUW South Knoxville	-	MH 39	Heavy rainfall in the area resulted in high flows in the collection system.	750	5	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A	N/A
5/3/2010		HOLSTON HILLS ROAD	LC Loves Creek KUW Third Creek	26	MH 104-4 and BBU MH 11-229	BBU Pump Station - Electrical Failure. Electricity was restored & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	940	1.5 1		N/A N/A	Repair Completed/BA BA/Grease Control	12 Months 6 Months
5/12/2010 5/16/2010		LUCINDA DRIVE	KUW Third Creek KUW First Creek	11	Lateral Cleanout	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	18	2		N/A N/A	BA/Grease Control	6 Months
5/19/2010		CASSELL DRIVE	KUW Second Creek		MH 14-103	Blockage - Debris. The sewer main was flushed & area was cleaned.	540	1.5	✓	N/A	BA	6 Months
5/19/2010 5/20/2010		STEWART STREET HASTINGS LANE	KUW Second Creek FC Fourth Creek		MH 35-56 MH 32-48	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	200	1		N/A N/A	BA BA	6 Months 6 Months
5/23/2010	-	CASSELL DRIVE	KUW Second Creek	10	MH 14-101	Blockage - Grease. The sewer main was flushed & area was cleaned.	200	1	√	N/A N/A	BA/Grease Control	6 Months N/A
6/10/2010 6/25/2010		ROBERTS ROAD COLONIAL CIRCLE	EB Eastbridge KUW First Creek	111 3	Broken Force Main MH 14-2	Broken System - Broken Force Main. Force main was repaired & the area cleaned. Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	150 5,600	1 12		N/A N/A	Repair Completed BA/Grease Control	12 Months
6/28/2010			KUW Third Creek		MH 8-30	Blockage - Roots. The sewer main was flushed & area was cleaned.	3,200	24		Construction Completed	BA Repair Completed	3 Months
7/5/2010 7/11/2010	0000	W BLOUNT AVENUE FORESTAL DRIVE	KUW South Knoxville KUW First Creek	e 39 8	Broken Sewer Lateral MH 7-91	Blockage - Grease and Debris. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	13000	24		N/A N/A	BA/Grease Control	N/A 6 Months
7/13/2010	4605 0	CROSBY DRIVE	KUW Third Creek	28	Lateral Cleanout	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	1450	2		N/A	BA/Grease Control	6 Months
7/15/2010 7/28/2010		HIGHLAND AVENUE CROSSWIND LANDING LANE	KUW Third Creek EB Eastbridge	29 110	MH 9-29 Wetwell	Blockage - Debris. The sewer main was flushed & area was cleaned. Pump Station - Mechanical Failure. Station was reinstated & the area was cleaned.	100 3000	1 5		N/A N/A	BA Repair Completed	12 Months N/A
7/29/2010	720 \	WOODVIEW DRIVE	KUW Second Creek	5	MH 35-2	Blockage - Roots. The sewer main was flushed & area was cleaned.	2	1		N/A	BA	6 Months
8/3/2010 8/9/2010		MARYVILLE PIKE OLD VALLEY ROAD	KUW South Knoxville KUW South Knoxville		MH 10-2 MH 67-3	Vandalism - Bypass Pump Vandalized. Pump was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	60 35	0.15		N/A N/A	Repair Completed BA	N/A 6 Months
8/12/2010	4351 F	FALCONITE WAY	KUW Third Creek	13	MH 10	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	7500	24		N/A	Repair Completed	N/A
8/16/2010 8/16/2010		MCCALLA AVENUE MYNDERSE AVENUE	KUW First Creek KUW Third Creek	24 22	MH 11-1 MH 18-3	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	1000	2	✓	N/A Future Construction Planned	Repair Completed BA/Grease Control	N/A 6 Months
8/26/2010	800 E	BENNETT PLACE	FC Fourth Creek		Broken Gravity Main	Blockage - Debris. The sewer main was flushed & area was cleaned.	7750	24	✓	Construction Completed	Repair Completed	N/A
8/27/2010 8/30/2010		EVENING SHADE LANE BENT RIVER BOULEVARD	FC Fourth Creek FC Fourth Creek		Broken Force Main Grinder Pump	Broken System - Broken Force Main. Force main was repaired & the area cleaned. Grinder Pump Failure. Pump was repaired & the area was cleaned.	10	3	✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
9/6/2010	8083 H	KINGSTON PIKE	FC Fourth Creek	32	MH 9-4	Construction Failure - Dig-In. Gravity main was repaired & the area was cleaned.	24000	48	•	N/A	Repair Completed	N/A
9/11/2010 9/11/2010		ADAIR DRIVE DAVANNA STREET	KUW First Creek KUW Second Creek	7	MH 26 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.	60 1000	1	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/26/2010	906 E	BATHURST ROAD	FC Fourth Creek	32	MH 4-23	Blockage - Roots. The sewer main was flushed & area was cleaned.	5	1		Construction Completed	BA	12 Months
10/25/2010 11/1/2010		PAPERMILL DRIVE HOLSTON DRIVE	KUW Third Creek	28 20	MH 31 Broken Force Main	Blockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Force Main. Force main was repaired & the area cleaned.	500 170	0.5		N/A N/A	BA Repair Completed	6 Months N/A
11/1/2010 11/17/2010		BENT RIVER BOULEVARD	FC Fourth Creek	-	Broken Force Main Grinder Pump	Grinder Pump Failure. Pump was repaired & the area was cleaned.	170	2.5	✓	N/A	Repair Completed	N/A N/A
11/30/2010			KUW First Creek	18	MH 30-11	Heavy rainfall in the area resulted in high flows in the collection system.	17250	8	√	Construction Completed	BA	6 Months
11/30/2010 12/1/2010		WOODSON DRIVE DAVANNA STREET	KUW South Knoxville KUW Second Creek		MH 2-1 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.	2150 4700	3	✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
12/3/2010	100 L	LEBANON STREEET	KUW Third Creek	34	Private Manhole	Broken System - Manhole Failure. The manhole was repaired & the area was cleaned.	40	2		N/A	Repair Completed	N/A
12/13/2010 12/26/2010		BENT RIVER BOULEVARD	FC Fourth Creek	43 6	Grinder Pump MH 48-3	Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	30	4		N/A N/A	Repair Completed BA	N/A 6 Months
12/31/2010	2204 H	HIGHLAND DRIVE	KUW First Creek	4	Broken Gravity Main	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	450	2		N/A	Repair Completed	N/A
1/1/2011 1/1/2011		DAVANNA STREET KINGSTON PIKE	KUW Second Creek		MH 8 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.	5,630 600	3	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
					Lateral Cleanouts at 2522, 2524, 2526 & 2528 E. Fifth			-	·			
1/7/2011			KUW Williams Creek		Avenue	Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	900	2		N/A N/A	BA/Grease Control	12 Months
1/8/2011 1/12/2011		WILSON AVENUE NERVA ROAD	KUW Williams Creek		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	1.5 1		N/A N/A	BA/Grease Control BA/Grease Control	12 Months 6 Months
1/24/2011	5926	ANTIGUA LANE	KUW Third Creek	11	MH 22-11	Broken System - Offset Joint. The sewer main was repaired & the area was cleaned.	500	5		N/A	Repair Completed	N/A
1/24/2011 1/26/2011		MIMOSA AVENUE SIXTEENTH STREET	KUW South Knoxville KUW Second Creek		MH 1-85 MH 21-33	Broken System - Manhole Failure. The manhole was repaired & the area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	10,000 700	5 1.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
		VALENCIA ROAD	KUW Third Creek	38	MH 49-9	Blockage - Roots. The sewer main was flushed & area was cleaned.	65	2		N/A	BA	6 Months
1/31/2011				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
	3413 H	KINGSTON PIKE KIRBURY LANE	KUW Third Creek FC Fourth Creek		MH 65-19	Blockage - Roots. The sewer main was flushed & area was cleaned.	10	1		N/A	BA	12 Months

					Private Property			Event occurred two or more times		Short-Term Controls	
Date	Street #	Street	Plant Watershed	Basin Overflow Location	Location	Cause of SSO/KUB Response	Volume (Gallons) Duration (Hours)	within 12 months	Long-Term Capital Project	Blockage Abatement (BA)	BA Schedule
2/16/2011		ASHEVILLE HIGHWAY	LC Loves Creek			Blockage - Roots. The sewer main was flushed & area was cleaned.	2,300 3		N/A	Repair Completed	N/A
2/16/2011		FLENNWOOD WAY	KUW South Knoxvil			Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	3,200 3		N/A	BA/Grease Control	6 Months
2/17/2011		TALLY HO DRIVE OLD AMHERST ROAD	KUW South Knoxvil			Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	150 1		N/A	BA/Grease Control	9 Months
2/23/2011 2/23/2011		VINTAGE DRIVE	FC Fourth Creek KUW Third Creek			Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	<u>3,000</u> 4 150 1	•	Construction Completed N/A	BA/Grease Control BA	12 Months 12 Months
2/24/2011		PICKWICK ROAD	LC Loves Creek			Blockage - Grease. The sewer main was flushed & area was cleaned.	30 1		N/A	BA/Grease Control	12 Months
2/25/2011		DELAWARE AVENUE	KUW Second Creel			Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	500 2		N/A	BA/Grease Control	6 Months
2/20/2011		DEEKINGE / CENCE		MH 22-33. Broken Lateral & BBU at 3218 & 3220	) Avondale		000 1		10/1	Bit croace conner	
2/28/2011	3218	AVONDALE AVENUE	KUW First Creek	8 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		CECIL AVENUE	KUW First Creek	18 MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	410,000 3	✓	Construction Completed	N/A	N/A
2/28/2011	1411	DAVANNA STREET	KUW Second Creel	15 MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	5,800,000 4	✓	Construction Completed	N/A	N/A
2/28/2011		DRINNEN AVENUE	KUW South Knoxvil			Heavy rainfall in the area resulted in high flows in the collection system.	600 2		Construction Completed	N/A	N/A
2/28/2011		HOLSTON HILLS ROAD	LC Loves Creek			Heavy rainfall in the area resulted in high flows in the collection system.	295,000 3	✓	Future Construction Planned	N/A	N/A
2/28/2011		MORGAN CIRCLE	KUW Third Creek			Heavy rainfall in the area resulted in high flows in the collection system.	1,500 3		Future Construction Planned	N/A	N/A
2/28/2011		OAKLETT DRIVE	KUW Second Creel			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		WOODLAKE DRIVE	KUW First Creek	1 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	400 4	✓	Construction Completed	N/A	N/A
3/1/2011		FAIRMONT BOULEVARD	KUW First Creek	16 Temporary Lateral Connection		Heavy rainfall in the area resulted in high flows in the collection system.	30 1		Construction Completed	N/A BA	N/A
3/1/2011 3/1/2011		HAYNES-STERCHI ROAD OLD AMHERST ROAD	FC Fourth Creek			Blockage - Debris. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	<u>500</u> 1 50 1	✓	N/A Construction Completed	N/A	3 Months N/A
3/1/2011		TECOMA DRIVE	KUW First Creek				60 3			N/A N/A	N/A N/A
3/1/2011		W CLIFF DRIVE	FC Fourth Creek			Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Debris. The sewer main was flushed & area was cleaned.	50 1		Construction Completed N/A	BA	6 Months
3/2/2011		HIGHLAND DRIVE	KUW First Creek	4 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	120 2		Future Construction Planned	N/A	N/A
3/4/2011		SEVENTH AVENUE	KUW First Creek	18 MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	200 1	✓	Construction Underway	N/A	N/A
3/6/2011		CECIL AVENUE	KUW First Creek	18 MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	1.500 3	✓	Construction Completed	N/A	N/A
3/7/2011		ALTA VISTA WAY	KUW Third Creek	38 Broken Gravity Main		Blockage - Debris. The sewer main was flushed & area was cleaned.	13,000 2		N/A	BA	12 Months
3/7/2011		GILBERT LANE	KUW South Knoxvil			Blockage - Grease. The sewer main was flushed & area was cleaned.	5,000 2		N/A	BA/Grease Control	6 Months
3/9/2011		CECIL AVENUE	KUW First Creek	18 MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	98,000 8	✓	Construction Completed	N/A	N/A
3/12/2011		GLADE HILL DRIVE	LC Loves Creek	32A MHs 30-50 & 30-52		Blockage - Grease. The sewer main was flushed & area was cleaned.	670 2.5		N/A	BA/Grease Control	12 Months
3/12/2011		POLKWRIGHT LANE	FC Fourth Creek			Grinder Pump Failure. Pump was repaired & the area was cleaned.	5 1		N/A	Repair Completed	N/A
3/13/2011		POLKWRIGHT LANE	FC Fourth Creek			Grinder Pump Failure. Pump was repaired & the area was cleaned.	5 1		N/A	Repair Completed	N/A
3/19/2011	-	INGERSOLL AVENUE	KUW South Knoxvil			Blockage - Debris. The sewer main was flushed & area was cleaned.	12 1		N/A	BA	6 Months
3/29/2011		REDWINE STREET	KUW South Knoxvil			Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	100 0.25		N/A	Repair Completed	N/A
4/6/2011		W CLIFF DRIVE	FC Fourth Creek			Blockage - Roots. The sewer main was flushed & area was cleaned.	400 2.5		N/A	BA	6 Months
4/14/2011		KINGSTON PIKE	KUW Third Creek	34 Lateral Cleanout		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	10 2		N/A	Repair Completed	N/A
4/16/2011		CECIL AVENUE	KUW First Creek	18 MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	24,000 5	✓	Construction Completed	N/A	N/A
4/16/2011		DAVANNA STREET	KUW Second Creel			Heavy rainfall in the area resulted in high flows in the collection system.	1,350 1	✓	Construction Completed	N/A	N/A
4/16/2011			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
4/17/2011		WOODLAKE DRIVE	KUW First Creek	1 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	20 1	•	Construction Completed	N/A	N/A
4/18/2011		SEVENTH AVENUE WILKERSON ROAD	KUW First Creek	18 MH 15			200 1	•	Construction Underway	N/A	N/A
4/18/2011			KUW Third Creek	9 Lateral Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	50 1	•	N/A	Repair Completed	N/A
4/24/2011		BONNIE VIEW AVENUE	LC Loves Creek	20 MH 74-8		Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	50 2		N/A	BA/Grease Control	6 Months
4/28/2011		SEVENTH AVENUE W SCOTT AVENUE	KUW First Creek KUW Second Cree	18 MH 15 15 MH 9		Heavy rainfall in the area resulted in high flows in the collection system.	1,000 1	×	Construction Underway	N/A N/A	N/A N/A
4/28/2011 4/28/2011		WILKERSON ROAD	KUW Third 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.	100 1	×	Construction Completed N/A	Repair Completed	N/A N/A
4/29/2011		POLKWRIGHT LANE	FC Fourth Creek			Grinder Pump Failure. Pump was repaired & the area was cleaned.	5 0.25		N/A	Repair Completed	N/A
5/2/2011		HILLVALE CIRCLE	KUW Third Creek	38 MH 1-115		Heavy rainfall in the area resulted in high flows in the collection system.	100 6		Construction Completed	N/A	N/A
5/9/2011		LOUISE AVENUE	KUW Williams Cree			Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	540.000 24		N/A	BA/Grease Control	12 Months
5/9/2011		POLKWRIGHT LANE	FC Fourth Creek			Grinder Pump Failure. Pump was repaired & the area was cleaned.	5 1		N/A	Repair Completed	N/A
5/10/2011		JACOB DRIVE	KUW Third Creek	35B MH 4-9		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	2,000 2		N/A	Repair Completed	N/A
5/15/2011		ELDRIDGE ROAD	KUW First Creek	3 Lateral Cleanout		Blockage - Roots. The sewer main was flushed & area was cleaned.	125 2		N/A	BA	12 Months
6/2/2011		GLENOAKS DRIVE	KUW First Creek	7 Lateral Cleanout		Blockage - Roots, Grease, and Debris. The sewer main was flushed & area was cleaned.	30 1		N/A	BA/Grease Control	12 Months
6/6/2011	2305	CLINCH AVENUE	KUW Third Creek	35B MH 39		Blockage - Debris. The sewer main was flushed & area was cleaned.	750 1		N/A	BA	12 Months
6/6/2011	114	TILLERY DRIVE	KUW Second Creel	10 MH 16-1		Broken System - Sag. The sewer main was repaired & the area was cleaned.	15,000 5		Construction Completed	N/A	N/A
6/7/2011	814	W FOURTH AVENUE	KUW Second Creel	23 MH 19-189		Blockage - Debris. The sewer main was flushed & area was cleaned.	5,550 1.5		N/A	BA	12 Months
6/14/2011	2010	E FIFTH AVENUE	KUW First Creek	24 Broken Gravity Main		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	7,800 2.5		N/A	Repair Completed	N/A
6/24/2011		DAVANNA STREET	KUW Second Creel	15 MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	100 1	✓	Construction Completed	N/A	N/A
6/24/2011	1722	POLKWRIGHT LANE	FC Fourth Creek	37 Grinder Pump		Grinder Pump Failure. Pump was repaired & the area was cleaned.	5 0.08		N/A	Repair Completed	N/A
6/25/2011		SEVENTH AVENUE	KUW First Creek	18 MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	200 1	~	Construction Underway	N/A	N/A
6/29/2011		HOLSTON HILLS ROAD	LC Loves Creek			Heavy rainfall in the area resulted in high flows in the collection system.	200 1	✓	Future Construction Planned	N/A	N/A
6/29/2011		JACKSBORO PIKE	KUW First Creek	4 MH 13-101		Heavy rainfall in the area resulted in high flows in the collection system.	200 1		Future Construction Planned	N/A	N/A
7/2/2011		MONTINA ROAD	KUW Third Creek	9 MHs 17-212 & 17-210		Blockage - Debris. The sewer main was flushed & area was cleaned.	3,300 4		N/A	BA	12 Months
7/7/2011		GRAVES STREET	KUW Williams Cree			Blockage - Grease. The sewer main was flushed & area was cleaned.	500 1		N/A	BA/Grease Control	3 Months
7/13/2011		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
8/4/2011		WORLDS FAIR PARK DRIVE	KUW Second Cree			Blockage - Debris. The sewer main was flushed & area was cleaned.	300 2		Construction Completed	N/A	N/A 12 Months
8/15/2011		SIXTEENTH STREET	KUW Second Creel			Blockage - Debris. The sewer main was flushed & area was cleaned.	200 1		N/A N/A	BA	
8/22/2011		FERD HICKEY ROAD RUTLEDGE PIKE	FC Fourth Creek		5511	Blockage - Roots. The sewer main was flushed & area was cleaned.	2,000 2 2		N/A N/A	BA Banaia Completed	12 Months N/A
9/1/2011			LC Loves Creek		BBU	Grinder Pump Failure. Pump was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	-		N/A Construction Completed	Repair Completed BA	
9/6/2011			KUW Third Creek			Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	_,	Ť		BA	6 Months
10/1/2011		HILLVIEW AVENUE	LC Loves Creek				<u> </u>		N/A		12 Months
10/21/2011 11/5/2011		MONTCREST ROAD HANSMORE PLACE	KUW First Creek FC Fourth Creek	4 MH 35-25 36 MH 3-325		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	50 1 100 3		N/A N/A	Repair Completed BA	N/A 12 Months
11/5/2011	040	I ANOWORE FLAGE	FG FOURIN CREEK	30 IVIT 3-325		DIOGRAYE - DEDIIS. THE SEWELTIAN WAS NUSHED & ALEA WAS CHEANED.	100 3		IN/A	DA	
11/6/2011	1709	PINETREE LANE	FC Fourth Creek	32A Lateral Cleanout		Blockage - Grease. The sewer main was flushed & area was cleaned.	62,000 72 Hours Intermittent	v	N/A	BA/Grease Control	12 Months
11/12/2011		ANDES ROAD	LC Loves Creek			Blockage - Grease. The sewer main was flushed & area was cleaned. Blockage - Grease. The sewer main was flushed & area was cleaned.	250 2		N/A	BA/Grease Control	12 Months
11/17/2011		TENNESSEE AVENUE	KUW Third Creek			Blockage - Debris. The sewer main was flushed & area was cleaned.	900 2		N/A	BA/Glease Control	12 Months
11/22/2011		TAZEWELL PIKE	KUW First Creek	8 Unnamed MH		Construction Failure - Bypass Pump Failure. Pump was reinstated & the area was cleaned.	1,500 2		N/A	Repair Completed	N/A
11/23/2011		LANCE DRIVE	KUW Third Creek			Blockage - Roots. The sewer main was flushed & area was cleaned.	300 3		N/A	BA	6 Months
11/23/2011		LONAS DRVIE				Blockage - Grease. The sewer main was flushed & area was cleaned.	40 1		N/A N/A	BA/Grease Control	
			FC Fourth Creek								6 Months
11/26/2011		WOODLAND RESERVE LANE	FC Fourth Creek			Broken System - Broken Force Main. Force main was repaired & the area cleaned.	200 2		N/A	Repair Completed	N/A
11/28/2011		ATCHLEY STREET	KUW South Knoxvil			Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	100 2		N/A	Repair Completed	N/A
12/4/2011		FOUNTAIN PARK BOULEVARD	KUW First Creek			Blockage - Grease and Debris. The sewer main was flushed & area was cleaned.	325 4.5		N/A	BA/Grease Control	12 Months
12/10/2011		MILLIGAN STREET	KUW Williams Cree			Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.	10 1		N/A	Repair Completed	N/A
12/13/2011		ALCOA HIGHWAY	KUW Third Creek	35B MH 18-3		Blockage - Debris. The sewer main was flushed & area was cleaned.	650 1		N/A	BA	12 Months
		E COLUMBIA AVENUE	KUW Second Creel	15 Lateral Cleanout	1	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	25 1		Construction Completed	N/A	N/A
12/29/2011	300	E COLUMBIA AVENUE							Condition Completed	14/1	

## 2001-2015 Building Backups

Image <th< th=""><th></th><th></th><th></th><th></th><th>Event included in</th><th></th><th></th><th>Duration</th><th>Event Occurred two or more</th><th></th><th>Short-Term Controls</th><th></th></th<>					Event included in			Duration	Event Occurred two or more		Short-Term Controls	
Control         Contro         Control         Control <th< th=""><th>Date</th><th>Street # Street</th><th>Plant Watershed Basin</th><th>Backup Location</th><th></th><th>Cause of Backup/KUB Response</th><th>Volume</th><th></th><th></th><th>Long-Term Capital Project</th><th></th><th>BA Schedule</th></th<>	Date	Street # Street	Plant Watershed Basin	Backup Location		Cause of Backup/KUB Response	Volume			Long-Term Capital Project		BA Schedule
NOMENOME UNDERFORMENONOME OF ALLNONome And ALLNome And ALLNome		310 KENSI DRIVE						2				
bits		312 NINETEENTH STREET			✓		35	0.75		N/A	BA	9 Months
BARDY         BARDY CONTR         Control         BARDY CONTR         Control         BARDY CONTR         Control         Contro         Contro         Control				Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	10				Repair Completed	
biolog         ab Biolog Marshes         66         Marshes         7.4         Biolog Marshes         69         5         6         Marshes         Marshes<	4/20/2012	616 LUTTRELL STREET		Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	5	0.5		N/A	Repair Completed	N/A
NAME         State Destination         State Destination         State         Number of the Destination o								0.5			BA	
NPDC         644         Media Martine Marce and Markam And Area and A					✓			2			BA	
Number         Number<				Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	30	1		N/A	Repair Completed	
MADD         Open Part of Margin Part Area         Action Part of Area Part Area         Action Part of Area Part Area         Action Part of Area         Action Par								1		IN/A		
NUMBER         NUMBER        NUMBER        NUMBER <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td></td> <td></td> <td>1</td> <td>✓</td> <td></td> <td></td> <td></td>					✓			1	✓			
11.000         col         0.00000         0.000000	9/25/2012	5219 BENT RIVER BOULEVARD	FC Fourth Creek 43	Residential Grinder Pump and Building Backup	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.33	✓	Construction Completed	N/A	N/A
11.000         col         0.00000         0.000000												
Boold         Constrained         Constrained <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td></th<>								1				
Discol         State         Discol         All         Discol         All         All        All         All         <					~			1	✓		N/A	
Bits DELONATIONE         OW         Final Delant Space								0.5			BA	
Display         Sold Display								1				
Charge Control         Control         No.							10	1		1073		
Display         Display <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>3</td><td></td><td></td><td></td><td></td><td></td></t<>							3					
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Number         Field         Field <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2</td><td></td><td></td><td></td><td></td></t<>								2				
12000         1400         0400        0400        0400        0								1	4			
Series         Series<					•		0	0	•	1471		
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eth         Bit         France Data         Dist         Dist      <								1				
GBB 2000 10000000000000000000000000000000								0.25				
Statis         Statis<					1			6				
Back NUMBER No.         C.         Loss of the Researce Marked No.							0,330	0.0166			BA/Grease Control	
1918/001         401         MNR TON ROAD         FC         Mode         Abset during back part of a b					1		25				Bonair Completed	
1020201         1212         NUM         NUM         Num         40         Land Baddy Baddy          Indexast Descent Trans Baddy Badgy         Int         68         Baddy Baddy Badgy         61         Baddy Badgy         61         Baddy Badgy         MAX         <												
1101/20073         0700         DOB/0000 DRWF         KW         Fer Cores         3         Bading Badog         ···         Contractor Faluer-Seems Rule Faluer Seems R								-				
1122/2013         1122												
12/12/2013         24/37 (kCTTH AVENUE         KVW         Time Creak         2         Letter General and bading backup         *         Blockap Grassman free sever maines datures datures datures datures was datures         101         Future Creative         NA         NA           292014         1305 FELEU/MODO DRIVE         KUW         First Grassman         7         Blockap Grassman free sever maines datures datures datures datures datures         20         1         Future Creative         NA         NA           292014         28261 (JADOD N KIRCLE         KUW         First Grassman         XU         Soft Filst Grassman         Soft Filst G					~			1		N/A		
220214         1305 [FELDWOOD DRVE         NW         First Creek         7         Building Backup         MA         Construction Failure's Lucromedel Literatistic In failure Rises Lucromedel Literatistic In failure Rises Lucromedel Literatis Literatistic In failure Rises Lucromedel Literatis					1	· · · · · · · · · · · · · · · · · · ·	1	1		Euture Construction Planned		
222044         2984         CNNC CRC.E         KUN         Fort Creek         19         Phane Creating Depanded         NA           2207074         2907074         5000         REFECCALME         KUN         South         2         Building Backup         C         Biochage- Roots         50         1         C         NA         BAC         Phane           2212014         2000         SANDE RSON ROAD         KUN         South         22         Biologing Backup         C         Contraction Failure - Sever Hinin Fluching: The aks are selected.         25         0.25         NA         Biologing Backup         NA         Biologing Backup         NA         Biologing Backup         Sint Sint Sint Sint Sint Sint Sint Sint								1				
1212104         508         REBECCA LARE         NM         South Noc         40         Building Backup         Fer         Biolobage-Roots. The sever main visibility. The rais was cleaned.         5         1         Month         RBAC         RBAC           2012104         2003         SMERSSNIR ADA         KW         Found Test         5         421 (2014)         1118         ALLEN RIVE         KW         Found Test         5         421 (2014)         1118         ALLEN RIVE         KW         Found Test         5         420 (2014)         1118         ALLEN RIVE         KW         Found Test         5         420 (2014)         121								1				
12/2/10/1         220/15 ANDERSON ROAD         KW         The Come/ Text Option         22         Buileing Backup         Constructor Pashtine Severe Main Hunding, The area was cleaned.         5         0.25         NA         Repar Completed         NA           4/202014         3037 GlBBS DRVE         KW         Fred Creek         3         Lateral Cleanout and Building Backup         ✓         Blockage-Poolsh: The sever main was fluehed & area was cleaned.         55         0.5         NA         BA         12 Months           4/302014         1917 (MCRGNEY V-FNLE)         KW         Fred Creek         15         Building Backup         ✓         Blockage-Poolsh: The sever main was fluehed & area was cleaned.         30.40         2         NA         BA         12 Months           5712014         3736 SBS DIS (NCS KY V-FNLE)         KW         Second Creek         15         Building Backup         ✓         Blockage- Crease. The sever main was fluehed & area was cleaned.         3.00         2         NA         BACRese Control         12 Months           119/12014         1115 [LEINETTA DRIVE         KW         Fred Creek         4         Mathole 37.33         Building Backup         ✓         Blockage- Crease. The sever main was fluehed & area was cleaned.         150         2         NA         BACRese Control         12 Months					•			-		Future Construction Planned	N/A	
Image: Mark Mark Mark Mark Mark Mark Mark Mark							-	1		N/A	BA	
4/30/201         3037         UBBS DRVE         KUW         First Creek         3         1         Lateral Cleanout and building Backup         4         Blockage- Acots this Sever main was lubeled & area was cleaned.         36         0.5         NA         BAA         12 Months           54/20214         3141         EMERALD AVENUE         KUW         First Creek         17         Building Backup         M         Biockage- Crease The sever main was lubeled & area was cleaned.         100         2         NAA         BA/Crease Control         12 Months           101/82/04         3118         EMERALD AVENUE         KUW         First Creek         4         Manhole S3 and Backup         M         Biockage- Crease The sever main was llubeled & area was cleaned.         15/00         2         NAA         BA/Crease Control         16 Months           101/82/04         1118         IENRETTA DRIVE         KUW         First Creek         4         Manhole S3 and Builing Backup         ✓         Biockage- Crease The sever main was llubeled & area was cleaned.         160         2         10         NA         BA/Crease Control         12 Months           11/82/014         442         CAR RAK         KUW         First Creek         11         Manhole S3 and Builing Backup         ✓         Biockage- Crease The sever main was llubeled & area							-					
Add/a (1917)         MCCROSKEY AVENUE         KUW         First Creek         A         Delation Boulding Backup         Cold Bookage-Objects. The source mains was fluebed & area was cleaned.         10         0.4         EN         NA         BA         12 Months           574/2014         314 E ERRAD AVENUE         KUW         Secont Creek         15         Baiding Backup         First Creek         16         NA         BAGresse Control         6 Months           1018/2014         1115 ERRAD AVENUE         KUW         First Creek         4         Mahole Stard Buiding Backup         First Creek         6 Months           1018/2014         1115 ERRAD AVENUE         KUW         First Creek         4         Mahole Stard Buiding Backup         First Creek         16         Manohe Stard Buiding Backup         First Creek         6 Months           1118/2014         4112 CAN POD         KUW         First Creek         14         Mahole Stard Buiding Backup         First Creek         10         2         NA         BAGresse Control         6 Months           1112/2014         4121 CAN PORT         KUW         First Creek         14         Mahole Stard Buiding Backup         First Creek         10         2         NA         BAGresse Control         12 Months           227/2015											Bit	
Shift 2014         314 E EMERAL AVENUE         KUW         Sacond Creak         15         Building Backup         C         Bickage-Grease. The sever main was flushed & area was cleaned.         5,000         2         NA         BA/Grease Control         14 Months           10/18/2014         1115         HENRETA DRIVE         L/L         L/vas Creak         4         Mathode 53 and Building Backup         ✓         Bickage-Grease. The sever main was flushed & area was cleaned.         2,800         1         NA         BA/Grease Control         6 Months           11/18/2014         4115         HENRETA DRIVE         KUW         Trice Creak         1         Mathode 27.33 & Building Backup         ✓         Bickage-Grease. The sever main was flushed & area was cleaned.         2,800         1         NA         BA/Grease Control         12 Months           11/12/2015         4421         OANRAMK LANE         KUW         Trice K         1         Mathode 27.33 & Building Backup         ✓         Bickage-Grease. The sever main was flushed & area was cleaned.         10.7         2         NA         BA/Grease Control         12 Months           11/12/2015         4421         OANRAMK LANE         KUW         Trice K         1         Mathode 2.33         2.34,23,23,24,23,23,24,23,23,24,23,23,24,23,23,24,23,23,24,23,23,24,23,23,24,23,23,24,23,23,24,23,23,24,23,23,24,23,23,24,					~			0.5		N/A	ВП	
T/1920145/09 & 5805KUST ON RRIVELCLoves Creek20Building BackupBolchage - Grease. The sewer main was flushed & area was cleaned.1.5002NABA/Grease Control6 Months10/1/20/141115 //ENRETTA DRIVEKUWFirst Creek4Manhole 52 and Building Backup'Blockage - Grease. The sewer main was flushed & area was cleaned.2,6001NABA/Grease Control12 Months11/12/0144412 (CAIN ROADKUWThird Creek11Cateral Cleanout and BBU'Blockage - Grease. The sewer main was flushed & area was cleaned.2,6001NABA/Grease Control12 Months11/12/0144412 (CAIN ROADKUWThird Creek11Lateral Cleanout and BBU'Blockage - Grease. The sewer main was flushed & area was cleaned.2,6153NABA/Grease Control12 Months20/12/155502DKENLY ROADKUWThird Creek1Mahole 3.517 and BBU'Blockage - Grease. The sewer main was flushed & area was cleaned.2,6163NABA/Grease Control12 Months3/02/0155402DANDANDANEKUWThird Creek14Mahole 3.516 Fawmood Road'Blockage - Grease. The sewer main was flushed & area was cleaned.4,642NABA/Grease Control12 Months3/02/0155412FOXWODD ROADKUWThird Creek14Mahole 3.516 Fawmood Road'Blockage - Grease. The sewer main was flushed & area was cleaned.4,642NABa/Grease Control<				Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.		4		N/A	Bitt	12 Months
10/18/20141115HENRETTA DRIVEKUWFirst Creek4Manhole 53 and Building Backup✓Blockage - Grease. The sever main was flushed & area was cleaned.2.8001NABA/Grease Control6 Months11/12/20144912CAIN ROADKUWThird Creek11Mahole 27-33 & Building Backup✓Blockage - Grease. The sever main was flushed & area was cleaned.18.070NABA/Grease Control12 Months11/12/20155002BEVERLY ROADKUWFirst Creek1Mahole 37-37 and BBU✓Blockage - Grease. The sever main was flushed & area was cleaned.65.02NABA/Grease Control12 Months2/12/20155002BEVERLY ROADKUWFirst Creek1Mahole 37-33 a.273.273.273.273.273.273.273.273.273.273	5/14/2014		KUW Second Creek 15	Building Backup		Blockage - Grease. The sewer main was flushed & area was cleaned.		2		N/A		12 Months
11/2/2014       4912       CAIN ROAD       KUW       Third Creek       11       Mahole 27-33 & Building Backup       I       Blockage - Grease. The sever main was fluehed & area was cleaned.       120       2       120 cmls         11/2/2015       4429       OAKBANK LANE       KUW       Third Creek       11       Mahole 27-33 & Building Backup       I       Blockage - Grease. The sever main was fluehed & area was cleaned.       120       NA       BAGrease Control       12 Months         2/1/2015       5002       BEVERLY ROAD       KUW       Third Creek       11       Mahole 3-17 and BBU       I       Blockage - Grease. The sever main was fluehed & area was cleaned.       65       2       NA       BAGrease Control       12 Months         3/2/2105       5002       BEVERLY ROAD       KUW       Third Creek       11       Mahole 3-33, 23-43, 23-28, 23-29 & Building Backup 1536 Fawnood Road       I       Biokage - Grease and Blockage - Debris. The sever main was fluehed & area was cleaned.       10/4       4       BA       12 Months         3/202015       5140       JOUROLMAN VENUE       KUW       Third Creek       38       Building Backup 1536 Fawnood Road       I       Biokage - Grease. The Sever main was fluehed & area was cleaned.       10/4       I       NA       BAGrease Control       MA       BAGrease Control       Storer	7/19/2014	5709 & 5805 HOLSTON DRIVE	LC Loves Creek 20	Building Backup		Blockage - Grease. The sewer main was flushed & area was cleaned.		2		N/A	BA/Grease Control	6 Months
1/12/2015       4429       AddBaNk LANE       KUW       Third Creek       11       Lateral Cleanout and BBU       ✓       Blockage - Grease. The sever main was flushed & area was cleaned.       2,715       3       NA       BA/Grease Control       12 Months         2/21/2015       5002       BEVERLY ROAD       KUW       Third Creek       2       Manhole 43-17 and BBU       ✓       Blockage - Contos. The sever main was flushed & area was cleaned.       65       2       NA       BA/Grease Control       12 Months         3/9/2015       5412       FOXWOD ROAD       KUW       Third Creek       1       Manhole 53-33, 23-34, 23-28,	10/18/2014	1115 HENRIETTA DRIVE	KUW First Creek 4	Manhole 53 and Building Backup	✓	Blockage - Grease. The sewer main was flushed & area was cleaned.	2,800	1		N/A	BA/Grease Control	6 Months
2212/2015       5002       BEVERLY RAD       KUW       First Creek       2       Manhole 43:17 and BBU       ✓       Blockage - Roots. The sever main was flushed & area was cleaned.       66       2       NA       BA       12 Months         3/92/15       5412       FOXWOOD ROAD       KUW       Third Creek       11       Manhole 43:17 and BBU       ✓       Blockage - Roots. The sever main was flushed & area was cleaned.       9404       2       NA       Repair Completed       NA         4/8/2015       1540       JOUROLMAN AVENUE       KUW       Third Creek       2       Manhole 6:19 and Building Backup at 5316 Fawnwood Road       ✓       Blockage - Crease and Debris. The sever main was flushed & area was cleaned.       9404       2       NA       BA       3/4         5/4/2015       1540       NOELVIN DRIVE       KUW       Third Creek       4       Building Backup       ✓       Blockage - Debris. The sever main was flushed & area was cleaned.       10,45       2       NA       B/A       3/40nths         5/4/2015       5/10       FALOP NIVE       KUW       First Creek       4       Building Backup       ✓       Blockage - Roots. The sever main was flushed & area was cleaned.       7       0.01667       NA       B/A       3/40nths       3/40nths       3/40nths       3/40nths	11/8/2014	4912 CAIN ROAD	KUW Third Creek 11	Mahole 27-33 & Building Backup	✓	Blockage - Grease. The sewer main was flushed & area was cleaned.	180	2		N/A	BA/Grease Control	12 Months
221/20155002BEVERLY ROADKUWFirst Creek2Manhole 43-17 and BBU✓Blockage - Roots. The sever main was flushed & area was cleaned.662NABA12 Months3/9/20155412FOXWOOD ROADKUWThird Creek11Manholes 233, 23.42, 23.29.23.29.32.93.2	1/12/2015	4429 OAKBANK LANE	KUW Third Creek 11	Lateral Cleanout and BBU	✓	Blockage - Grease. The sewer main was flushed & area was cleaned.	2,715	3		N/A	BA/Grease Control	12 Months
3/9/2015       5412       FOXWOOD ROAD       KUW       Third Creek       11       Manholes 23-33, 23-34, 23-28, 23-29 & Building Backup at 5316 Fawnwood Road       ✓       Blockage - Debris. The sewer main was flushed & area was cleaned.       9404       2       N/A       Repair Completed       N/A         4/8/2015       1540       JOUROLMAN AVENUE       KUW       Third Creek       2       Manhole 6-194 and Building Backup at 5316 Fawnwood Road       ✓       Blockage - Grease an Oberis. The sewer main was flushed & area was cleaned.       1,045       4       N/A       BA/Grease A       3M nonths         5/4/2015       519       NOELTON DRIVE       KUW       Third Creek       4       Building Backup       Blockage - Grease an Oberis. The sewer main was flushed & area was cleaned.       1,045       4       N/A       BA/Grease A       3M nonths         5/4/2015       519       NOELTON DRIVE       KUW       First Creek       4       Building Backup       Construction Failure sewer Main Rishing. The area was cleaned.       7       0.01667       N/A       N/A       BA       N/A         8/20/2015       7100       SHADYLAND DRIVE       FC       Fourth Creek       4       Building Backup       ✓       Blockage - Roats. The sewer main was flushed & area was cleaned.       7       0.01667       N/A       B/A       N/A		5002 BEVERLY ROAD	KUW First Creek 2	Manhole 43-17 and BBU	✓		65	2		N/A		12 Months
Outcome       Outcom       Outcome       Outcome				Manholes 23-33, 23-34, 23-28, 23-29 & Building Backup at 5316 Fawnwood Road	✓			2		N/A	Repair Completed	N/A
Statution					✓			4		N/A		
Since for bottle	., .,		Hott Hind brook EE				1.1.1			10/1		
8/30/20157/100SHADYLAND DRIVECFour fice3/2SMAD matriceSMAD matriceSM								-			=	
10/16/20151309FAIR DRIVEKUWFirst Creek4Guiding BackupBuilding BackupBroken Gravity Main. The sever main was repaired & the area was cleaned.405N/ARepair CompletedN/A11/16/2015325UNION AVENUEKUWSecond Creek23Building BackupBlockage - Grasse. The sever main was flushed & area was cleaned.102N/ABA/Grasse Control6 Months12/14/2015531S GAY STREETKUWFirst Creek30Building BackupBroken System - Broken Gravity Main. The sever main was repaired & the area was cleaned.1,0006N/ARepair CompletedN/A			Herr Hitt electric				,			1073		
11/16/2015         325         UNION AVENUE         KUW         Second Creek         23         Building Backup         Boldsage - Grease. The sewer main was flushed & area was cleaned.         10         2         N/A         BA/Grease Control         6 Months           12/14/2015         531         S GAY STREET         KUW         First Creek         30         Building Backup         Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.         1,000         6         N/A         Repair Completed         N/A				Building Exterior and Building Backup	✓			2		N/A	BA	12 Months
12/14/2015         531         S GAY STREET         KUW         First Creek         30         Building Backup         Broken Gravity Main. The sewer main was repaired & the area was cleaned.         1,000         6         N/A         Repair Completed         N/A	10/16/2015	1809 FAIR DRIVE	KUW First Creek 4	Building Backup		Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	40	5		N/A	Repair Completed	N/A
12/14/2015         531         S GAY STREET         KUW         First Creek         30         Building Backup         Broken Gravity Main. The sewer main was repaired & the area was cleaned.         1,000         6         N/A         Repair Completed         N/A	11/16/2015	325 UNION AVENUE	KUW Second Creek 23	Building Backup		Blockage - Grease. The sewer main was flushed & area was cleaned	10	2		N/A	BA/Grease Control	6 Months
				· ·								
12/25/2015   1118/ALLEN DKIVE   KUW   Second Greek   5   Building Backup   Heavy raintal in the area resulted in high flows in the collection system.   5   0.09   Future Construction Planned   NA   N/A			Herr Fildt Globat 60				.,	0		10/1		
	12/25/2015	ALLEN DRIVE	KUW Second Creek 5	Building Backup		neavy rainfail in the area resulted in high flows in the collection system.	5	0.09		Future Construction Planned	N/A	N/A

### 2001-2015 Building Backups

		-				Event included in			Duration	Event Occurred two or more		Short-Term Controls	
Date	Street # Street	Plant	Watershed	Basin	n Backup Location	SSOER	Cause of Backup/KUB Response	Volume	(Hours)	times within 12 months	Long-Term Capital Project	Blockage Abatement (BA)	BA Schedule
2/21/2015 9/18/2012	5002 BEVERLY ROAD 4824 HORSESTALL DRIVE	KUW	First Creek First Creek	2	Mainele to th and bbe	✓	Blockage - Roots. The sewer main was flushed & area was cleaned. Heavy rainfall in the area resulted in high flows in the collection system.	65 10	2		N/A N/A	BA Repair Completed	12 Months N/A
11/21/2013	5700 DOGWOOD DRIVE	KUW	First Creek	3			Construction Failure - Sewer Main Flushing. The area was cleaned.	2	0.125		N/A N/A	Repair Completed	N/A N/A
4/30/2014	3037 GIBBS DRIVE	KUW	First Creek	3		~	Blockage - Roots. The sewer main was flushed & area was cleaned.	35	0.125		N/A N/A	BA	12 Months
1/15/2013	2326 CEDAR LANE	KUW	First Creek	4		~	Heavy rainfall in the area resulted in high flows in the collection system.	5	2		Future Construction Planned	N/A	N/A
10/16/2015	1809 FAIR DRIVE	KUW	First Creek	4			Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	40	5		N/A	Repair Completed	N/A
5/26/2015	2110 FAIR DRIVE	KUW	First Creek	4			Construction Failure - Sever Main Flushing. The area was cleaned.	7	0.01667		N/A	Repair Completed	N/A
10/18/2014	1115 HENRIETTA DRIVE	KUW	First Creek	4	Manhole 53 and Building Backup	1	Blockage - Grease. The sewer main was flushed & area was cleaned.	2.800	1		N/A N/A	BA/Grease Control	6 Months
4/21/2014	1118 ALLEN DRIVE	KUW	Second Cree	-	Building Backup		Blockage - Grease. The sewer main was hushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	2,000	7.25		N/A N/A	BA/Glease Collifor	12 Months
12/25/2015	1118 ALLEN DRIVE	KUW	Second Cree		Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	5	0.09		Future Construction Planned	N/A	N/A
6/9/2012	5034 ROWAN ROAD	KUW	Second Cree	🗸	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.09		N/A	BA	12 Months
9/18/2012	702 E INSKIP ROAD	KUW	First Creek	K J	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	30	0.5		N/A N/A	Repair Completed	N/A
4/8/2012	912 E INSKIP ROAD	KUW	First Creek	7	Building Backup Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1		N/A N/A	Repair Completed	N/A N/A
2/3/2014	1305 FIELDWOOD DRIVE	KUW	First Creek	7			Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	20	1		N/A	Repair Completed	N/A
12/3/2012	3839 DEBONAIR DRIVE	KUW	Third Creek	9	Building Backup		Broken System - Protruding Lateral. Lateral was trimmed & the area was cleaned.	15	. 1		N/A	Repair Completed	N/A
12/3/2012	3843 DEBONAIR DRIVE	KUW	Third Creek	9	Building Backup 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 N/A	Repair Completed	N/A N/A
2/6/2012	6310 LANTERN RIDGE LANE	KUW	Third Creek	9	Building Backup		Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned.	1,750	Unknown		N/A N/A	BA/Grease Control	12 Months
1/25/2012	310 KENSI DRIVE	KUW	Second Creek	k 10		<ul> <li>Image: A second s</li></ul>	Blockage - Debris, The sewer main was flushed & area was cleaned.	325	2		N/A	BA	6 Months
11/8/2014	4912 CAIN ROAD	KUW	Third Creek	11		✓	Blockage - Grease. The sewer main was flushed & area was cleaned.	180	2		N/A	BA/Grease Control	12 Months
3/9/2015	5412 FOXWOOD ROAD	KUW	Third Creek	11		✓	Blockage - Debris. The sewer main was flushed & area was cleaned.	9404	2		N/A	Repair Completed	N/A
1/12/2015	4429 OAKBANK LANE	KUW	Third Creek	11	· · · · · · · · · · · · · · · · · · ·	V	Blockage - Grease. The sewer main was flushed & area was cleaned.	2,715	3		N/A	BA/Grease Control	12 Months
12/2/2012	6220 WESTERN AVENUE	KUW	Third Creek	11			Blockage - Debris. The sewer main was fushed & area was cleaned.	1	0.5		N/A	BA/Glease Control	9 Months
12/18/2012	6412 WESTERN AVENUE	KUW	Third Creek	11			Blockage - Roots. The sewer main was flushed & area was cleaned.	20	0.5		N/A	BA	6 Months
12/20/2012	3006 CORAM STREET	KUW	Second Cree			~	Blockage - Roots. The sewer main was flushed & area was cleaned.	1.550	2		N/A	BA	6 Months
5/14/2014	314 E EMERALD AVENUE	KUW	Second Cree				Blockage - Grease. The sewer main was flushed & area was cleaned.	3.040	2		N/A	BA/Grease Control	12 Months
11/25/2013	1921 COKER AVENUE	KUW	First Creek	17	Lateral Cleanout and Building Backup	✓	Construction Failure - Blockage by Construction Debris. The sewer main was flushed & the area was cleaned.	1.650	1		N/A	Repair Completed	N/A
4/30/2014	1917 MCCROSKEY AVENUE	KUW	First Creek	17			Blockage - Debris. The sewer main was flushed & area was cleaned.	170	4		N/A	BA	12 Months
12/17/2012	2423 CECIL AVENUE	KUW	First Creek	18			Construction Failure - Sever Main Flushing. The area was cleaned.	3	0.25		N/A	Repair Completed	N/A
2/3/2014	2848 LONDON CIRCLE	KUW	First Creek	18		✓	Heavy rainfall in the area resulted in high flows in the collection system.	260	1		Euture Construction Planned	N/A	N/A
7/19/2014	5709 & 5805 HOLSTON DRIVE	LC	Loves Creek	20	Building Backup		Blockage - Grease. The sewer main was flushed & area was cleaned.	1.500	2		N/A	BA/Grease Control	6 Months
4/28/2013	1540 JOUROLMAN AVENUE	KUW	Third Creek	22		✓	Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned.	6.350	6		N/A	BA/Grease Control	6 Months
4/8/2015	1540 JOUROLMAN AVENUE	KUW	Third Creek	22	· · · · · · · · · · · · · · · · · · ·	✓	Blockage - Grease and Debris. The sewer main was flushed & the area was cleaned.	1,045	4		N/A	BA/Grease Control	3 Months
12/12/2013	2437 KEITH AVENUE	KUW	Third Creek	22	•	Image: A start of the start	Blockage - Grease. The sewer main was flushed & area was cleaned.	105	1		Future Construction Planned	N/A	N/A
3/21/2014	2907 SANDERSON ROAD	KUW	Third Creek	22			Construction Failure - Sever Main Flushing. The area was cleaned.	5	0.25		N/A	Repair Completed	N/A
11/16/2015	325 UNION AVENUE	KUW	Second Creek				Blockage - Grease. The sewer main was flushed & area was cleaned.	10	2		N/A	BA/Grease Control	6 Months
4/20/2012	616 LUTTRELL STREET	KUW	First Creek	24			Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	5	0.5		N/A	Repair Completed	N/A
8/17/2012	524 BEN HUR AVENUE	KUW	Williams Cree		Broken Lateral and Building Backup	1	Blockage - Debris. The sewer main was flushed & area was cleaned.	60	0.5		N/A	Repail Completed	6 Months
1/25/2013	1617 DORA STREET	KUW	Third Creek	29		•	Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	6.800	2		N/A	Repair Completed	N/A
	312 NINETEENTH STREET	KUW	Third Creek	-		~		-1	9		N/A N/A		9 Months
3/7/2012	531 S GAY STREET	KUW		29	Floor Drain and Building Backup	,	Blockage - Roots. The sewer main was flushed & area was cleaned.	35	0.75		N/A N/A	BA Densis Completed	9 Months N/A
12/14/2015 8/30/2015			First Creek		Building Backup	~	Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	1,000	0			Repair Completed BA	
	7100 SHADYLAND DRIVE	FC	Fourth Creek		Building Exterior and Building Backup	v	Blockage - Roots. The sewer main was flushed & area was cleaned.	55	2		N/A		12 Months
4/3/2012	3819 GLENFIELD DRIVE	KUW	Third Creek	38	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	10	0.25		N/A N/A	Repair Completed	N/A
5/28/2013	519 NOELTON DRIVE	KUW	Third Creek	38			Blockage - Debris. The sewer main was flushed & area was cleaned.	2	0.0166		1471	ВА	12 Months
5/4/2015	519 NOELTON DRIVE	KUW	Third Creek	38	Building Backup		Blockage - Debris. The sewer main was flushed & area was cleaned.	45	2		N/A	BA	3 Months
10/26/2013	1216 BAKER AVENUE	KUW	South Knox	40	Lateral Cleanout and Building Backup	~	Blockage - Grease. The sewer main was flushed & area was cleaned.	10	0.25		N/A	BA/Grease Control	6 Months
2/21/2014	5008 REBECCA LANE	KUW	South Knox	40	Building Backup		Blockage - Roots. The sewer main was flushed & area was cleaned.	5	1		N/A	BA	6 Months
10/16/2012	1001 FLANDERS LANE - APARTMENTS 101, 102, &	103 FC	Fourth Creek	x 42	Building Backup		Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1		N/A	Repair Completed	N/A
9/19/2012	5219 BENT RIVER BOULEVARD	FC	Fourth Creek	x 43	Residential Grinder Pump and Building Backup	✓	Grinder Pump Failure. Pump was repaired & the area was cleaned.	103	1	~	Construction Completed	N/A	N/A
9/25/2012	5219 BENT RIVER BOULEVARD	FC	Fourth Creek	43		~	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	0.33	✓	Construction Completed	N/A	N/A
11/8/2012	5219 BENT RIVER BOULEVARD	FC	Fourth Creek		Residential entitler Fairb and Balang Backap	√ 	Grinder Pump Failure. Pump was repaired & the area was cleaned.	4	1	· · · · · · · · · · · · · · · · · · ·	Construction Completed	N/A N/A	N/A
1/16/2012	5219 BENT RIVER BOULEVARD					· · ·			1	· · · · · · · · · · · · · · · · · · ·	N/A	Repair Completed	N/A N/A
		FC	Fourth Creek		Residential enhalt Fully and Ballang Basilap		Grinder Pump Failure. Pump was repaired & the area was cleaned.	6	· · ·	•			
8/24/2013	2304 WOODS CREEK ROAD	LC	Loves Creek			~	Grinder Pump Failure. Pump was repaired & the area was cleaned.	25	1		N/A	Repair Completed	N/A
4/11/2013	825 CARRINGTON ROAD	FC	Fourth Creek	< 32b	Building Backup		Construction Failure - Sewer Main Flushing. The area was cleaned.	25	0.25		N/A	Repair Completed	N/A
10/16/2013	409 N WINSTON ROAD	FC	Fourth Creek	32b	Lateral Cleanout and Building Backup	~	Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	300	2		N/A	Repair Completed	N/A

# 2001-2015 Building Backups

					E	rent included in		Duration	Event Occurred two or more	Long-Term Capital	Short-Term Controls	
	Street #	Street	Plant Watershed	Basin	Backup Location	SSOER Cause of Backup/KUB Response	Volume	(Hours)	times within 12 months	Project	Blockage Abatement (BA)	
3/18/2002		HOLSTON HILLS RD LOUISIANA AVENUE	LC Loves Creek	26	Building Backup	Blockage - Debris. The sewer main was flushed & area was cleaned.	Unknown	Unknown		N/A	BA	12 Months
11/8/2006 8/2/2007		WALROCK LANE	KUW Second Creek KUW Third Creek	15 12	Building Backup Building Backup	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	200 540	1.5 1.66		N/A N/A	Repair Completed BA	N/A 12 Months
10/8/2008		FAIRVIEW STREET	KUW First Creek	16	Building Backup	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	200	1		N/A N/A	BA/Grease Control	6 Months
12/10/2008		HOLSTON HILLS ROAD	LC Loves Creek	26	Building Backup	Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	50	1		N/A	Repair Completed	N/A
1/6/2009	1033	KEOWEE AVENUE	KUW Third Creek	38	Building Backup	Blockage - Unknown. The sewer main was flushed & area was cleaned.	1000	0.5		N/A	BA	6 Months
4/0/0000	5000							0.05		Future Construction	<b>N</b> 1/A	<b>N</b> 1/A
1/6/2009 2/1/2009		MCNUTT ROAD DEERFIELD ROAD	KUW Knob Creek KUW Third Creek	41 11	Building Backup Building Backup	Heavy rainfall in the area resulted in high flows in the collection system. Blockage - Roots. The sewer main was flushed & area was cleaned.	11	0.25		Planned Construction Completed	N/A N/A	N/A N/A
		BALL CAMP PIKE	KUW Third Creek	12	Building Backup	Blockage - Grease. The sewer main was flushed & area was cleaned.	375	0.5		N/A	BA/Grease Control	1 Month
3/17/2009	2860	LINDEN AVENUE	KUW Williams Creek	19	Building Backup	Blockage - Debris. The sewer main was flushed & area was cleaned.	1	0.02		N/A	BA/Grease Control	3 Months
4/13/2009		FRATERNITY PARK DRIVE	KUW Third Creek	35B	Patio and Building Backup	<ul> <li>The capacity of the sewer main was exceeded when a swimming pool was drained.</li> </ul>	650	2.25		N/A	Repair Completed	N/A
4/21/2009	4213	WALROCK LANE	KUW Third Creek	12	Building Backup	Blockage - Roots. The sewer main was flushed & area was cleaned.	10	0.17		N/A	BA	6 Months
5/14/2009	200	E JACKSON AVE	KUW First Creek	30	Building Bookup	Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	900	Intermittent over several weeks		N/A	Repair Completed	N/A
5/20/2009		LAKESHORE DRIVE	KUW Knob Creek	41	Building Backup Building Backup	Construction Failure - Oriconnected Lateral. The lateral was repaired & the area was cleaned. Construction Failure - Sewer Main Flushing. The area was cleaned.	900	0.017		N/A N/A	N/A	N/A
5/24/2009		GLASGOW ROAD	KUW First Creek	7	Building Backup	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	100	2.25		N/A	BA/Grease Control	6 Months
5/27/2009	8714	STRAWBERRY PLAINS PIKE	EB Eastbridge	72	Building Backup	Construction Failure - Sewer Main Flushing. The area was cleaned.	2	0.016		N/A	BA/Grease Control	6 Months
5/28/2009		NICHOLS AVENUE	KUW Williams Creek	19	Building Backup	Blockage - Debris. The sewer main was flushed & area was cleaned.	15	0.33		N/A	BA/Grease Control	12 Months
6/10/2009		WAYNE DRIVE	LC Loves Creek	6	Building Backup	Blockage - Unknown. The sewer main was flushed & area was cleaned.	3	0.33		N/A	BA	3 Months
7/13/2009 7/15/2009		ADA LANE SPRING HILL ROAD	KUW First Creek	2	Building Backup Building Backup	Construction Failure - Sewer Main Flushing. The area was cleaned. Construction Failure - Dig-in. The lateral was repaired & the area was cleaned.	98 20	0.5		N/A N/A	N/A N/A	N/A N/A
9/1/2009		SUTHERLAND AVENUE	KUW Third Creek	29	Building Backup	Blockage - Debris. The sewer main was flushed & area was cleaned.	200	9.5		N/A N/A	BA	1 Month
9/25/2009	3001	GINNBROOKE LANE	KUW South Knoxville	47	Building Backup	Blockage - Debris. The sewer main was flushed & area was cleaned.	100	120 Intermittently		Construction Completed	N/A	N/A
9/26/2009		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
9/26/2009		W. BLOUNT AVENUE	KUW South Knoxville KUW Second Creek	39	Building Backup	Heavy rainfall in the area resulted in high flows in the collection system.	1000	2 20. Intermitteet!		Construction Completed	N/A	N/A
10/10/2009 10/13/2009		BRUHIN RD GARDEN DRIVE	KUW Second Creek	10	Building Backup Building Backup	Blockage - Grease. The sewer main was flushed & area was cleaned. Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	50 5	29 Intermittently 0.25	-	N/A N/A	BA/Grease Control Repair Completed	6 Months N/A
10/21/2009		TEXAS AVENUE	KUW Second Creek	15	Building Backup	Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	5	0.25		N/A	Repair Completed	N/A
1/24/2010		BIDDLE STREET	KUW Williams Creek	25	Lateral Cleanout and Building Backup	✓ Blockage - Roots. The sewer main was flushed & area was cleaned.	1000	1		N/A	BA	6 Months
1/25/2010		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
1/26/2010		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
2/3/2010 2/26/2010		GREENCREST ROAD MAGNET PLACE	KUW First Creek KUW Williams Creek	1 31	Building Backup	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Grease and Roots. The sewer main was flushed & area was cleaned.	15 33	1		N/A N/A	BA BA/Grease Control	6 Months 6 Months
3/29/2010		ECHODALE LANE	KUW South Knoxville	41	Building Backup Building Backup	Blockage - Grease and Roots. The sewer main was flushed & area was cleaned. Blockage - Roots. The sewer main was flushed & area was cleaned.	5	0.5		N/A N/A	Repair Completed	N/A
3/30/2010		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
4/5/2010	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
4/9/2010		ASHEVILLE HIGHWAY	EB Eastbridge	72	Private Property and Building Backup	✓ Blockage - Debris. The sewer main was flushed & area was cleaned.	950	15		N/A	BA	12 Months
5/3/2010 5/3/2010		FAIRMONT BOULEVARD HOLSTON HILLS ROAD	KUW First Creek	16 26	Building Backup MH 104-4 and Building Backup	Blockage - Roots. The sewer main was flushed & area was cleaned.     ✓ Pump Station - Electrical Failure. Electricity was restored & the area was cleaned.	300 940	4		N/A N/A	BA Repair Completed/BA	6 Months 12 Months
5/3/2010		SHETLAND DRIVE	KUW South Knoxville	41	Building Backup	Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	10	1.5		N/A N/A	Repair Completed	N/A
5/17/2010		BERNARD AVENUE	KUW Second Creek	23	Building Backup	Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	20	4		N/A	Repair Completed	N/A
5/24/2010		CASSELL DRIVE	KUW Second Creek	10	Building Backup	Construction Failure - Sewer Main Flushing. The area was cleaned.	1.5	0.017		N/A	N/A	N/A
7/16/2010		CLINCH AVENUE	KUW 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
7/22/2010		LOUISIANA AVENUE BRADSHAW GARDEN ROAD	KUW Second Creek	15 13	Building Backup Building Backup	Blockage - Roots. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	500 5	3		N/A N/A	BA BA	6 Months 6 Months
11/9/2010		REED STREET	KUW Third Creek	22	Building Backup	Blockage - Debris. The sewer main was flushed & area was cleaned. Blockage - Debris. The sewer main was flushed & area was cleaned.	50	2.25		N/A N/A	BA	6 Months
12/6/2010		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 N/A	Repair Completed	N/A
2/2/2011	2101	EDGEWOOD AVENUE	KUW First Creek	16	Building Backup	Construction Failure - Sewer Main Flushing. The area was cleaned.	50	0.25		N/A	Repair Completed	N/A
2/7/2011		TYSON STREET	KUW Second Creek	23	Building Backup	Construction Failure - Unconnected Lateral. The lateral was repaired & the area was cleaned.	1100	Unknown		N/A	Repair Completed	N/A
2/28/2011 3 2/28/2011		AVONDALE AVENUE PARIS ROAD	KUW First Creek KUW Third Creek	8 13	MH 22-33, Broken Lateral, and Building Backup 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 Construction Completed	BA/Grease Control N/A	12 Months N/A
2/28/2011		SOUTH VAN GILDER STREET	KUW First Creek	24	Building Backup	Heavy rainfall in the area resulted in high flows in the collection system.	5	0.5		Construction Completed	N/A N/A	N/A N/A
3/2/2011		FAIRVIEW STREET	KUW First Creek	16	Building Backup	Construction Failure - Bypass pumping failure. The area was cleaned.	40	1	1	N/A	Repair Completed	N/A
		EDGEWOOD AVENUE	KUW First Creek	16	Building Backup	Heavy rainfall in the area resulted in high flows in the collection system.	1100	1	√	Construction Completed	N/A	N/A
3/4/2011		HIAWATHA DRIVE	KUW Third Creek	38	Building Backup	Heavy rainfall in the area resulted in high flows in the collection system.	40	1		Construction Completed	N/A	N/A
3/22/2011		LONAS ROAD	FC Fourth Creek	33	Building Backup	Construction Failure - Sewer Main Flushing. The area was cleaned.	200	1.5		N/A	Repair Completed	N/A N/A
3/24/2011 4/7/2011		WEST BAXTER AVENUE BUFFAT MILL ROAD	KUW Second Creek KUW First Creek	23 18	Building Backup MH 65-19 and Building Backup	✓ Construction Failure - Bypass pumping failure. The area was cleaned. ✓ Blockage - Roots. The sewer main was flushed & area was cleaned.	200	1 4		N/A N/A	Repair Completed BA	N/A 12 Months
4/30/2011		BLOUNT AVENUE	KUW South Knoxville		Building Backup	Heavy rainfall in the area resulted in high flows in the collection system.	10	0.5	✓ <i>✓</i>	Construction Completed	N/A	N/A
6/24/2011		EDGEWOOD AVENUE	KUW First Creek	16	Building Backup	Heavy rainfall in the area resulted in high flows in the collection system.	200	1	~	Construction Completed	N/A	N/A
					· · ·			1		Future Construction		
6/24/2011	3619	ESSARY DRIVE	KUW First Creek	1	Building Backup	Heavy rainfall in the area resulted in high flows in the collection system.	1550	1.5		Planned	N/A	N/A
0/04/05/11						I have a same and the same second of the black dense to the second second				Future Construction	N1/A	N1/A
6/24/2011			KUW First Creek	18	Building Backup	Heavy rainfall in the area resulted in high flows in the collection system.	50	1 0.083		Planned N/A	N/A Popair Completed	N/A
7/13/2011		E LAKE FOREST DRIVE CHINKAPIN LANE	KUW Knob Creek KUW Third Creek	41	Building Backup	Construction Failure - Bypass pumping failure. The area was cleaned.	225	0.083		N/A N/A	Repair Completed BA/Grease Control	N/A 12 Months
8/25/2011 9/1/2011			LC Loves Creek	105	Building Backup Grinder Pump and Building Backup	Blockage - Grease. The sewer main was flushed & area was cleaned.	100 20	1		N/A N/A	Repair Completed	N/A
9/1/2011 12/10/2011		MURPHY ROAD	KUW First Creek	105	Residential Grinder Pump and Building Backup	<ul> <li>✓ Grinder Pump Failure. Pump was repaired &amp; the area was cleaned.</li> <li>✓ Construction Failure - Grinder Pump. Pump was reinstated &amp; the area was cleaned.</li> </ul>	30	2	+	N/A N/A	Repair Completed	N/A N/A
12/10/2011		WILKERSON ROAD	KUW First Creek	2	Building Backup	Construction Failure - Grinder Pump. Pump was reinstated & the area was cleaned.  Blockage - Debris. The sewer main was flushed & area was cleaned.	30	4	+	N/A N/A	BA	12 Months
12/22/2011		OLD KINGSTON PIKE	KUW Third Creek	9 34	Building Backup Building Backup	Biockage - Debris. The sewer main was flushed & area was cleaned. Broken System - Broken Gravity Main. The sewer main was repaired & the area was cleaned.	50	3		N/A N/A	Repair Completed	N/A
12/29/2011	4525		NOW Third Creek	34	винину васкир	broken System - broken Gravity iviain. The sewer main was repaired & the area Was cleaned.	50			D/A	Repair Completed	11/7