2003-2011 Sanitary Sewer Overflow Evaluation Report

Including Building Backups and Trend Analysis

Submitted to EPA on April 27, 2012

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.

D. Wayne Loveday

April 27, 2010

Date





Executive Summary

2003-2011 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 2003-2011 SSOER is an assessment of the sanitary sewer overflows (SSOs), including building backups that occurred between January 2003 and December 2011. 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 2007) 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 "2003-2011 SSOER with Building Backups" spreadsheets still include events that occurred in 2001 and 2002 unless they were removed for not having a recurrence during the previous three years.

Overall, there has been a 59 percent decrease in the number of wet-weather SSOs and a 46 percent decrease in dry-weather SSOs, including building backups, in our collection system since 2003. This decrease in total events can be attributed to a significant amount of rehabilitation or replacement (190 miles) of sewer main and the completion of over 178 projects, including six wet-weather storage tanks with 34 million gallons of total storage, all completed since the beginning of PACE 10.

The trend in SSO occurrence from year to year has also been influenced by rainfall and weather conditions. In fact, an increase in wet-weather overflows since 2009 can be attributed to the influence of rainfall. This trend continued into 2011. The Knoxville Airport rain gauge monthly data for Spring 2011 notably exceeded monthly averages for the Knoxville area. According to this rainfall data, the average rainfall for the months of February, March, and April is 13.06 inches. The actual rainfall recorded for this time period in 2011 was 20.05 inches, which is a 54 percent increase from the average as indicated in Table 1. Monthly totals exceeded averages by 17 percent in February, 33 percent in March, and 119 percent in April.

Month	2011	Average	Percent change
February	4.9	4.2	17%
March	6.52	4.92	33%
April	8.63	3.94	119%
Total	20.05	13.06	54%

Table 1. Knoxville Airport Rain Gauge Data

Continuous wet weather creates saturated ground conditions, which is also known as high antecedent moisture conditions. When this occurs a significant portion of the rainfall can enter the collection system as inflow or infiltration in areas that have not undergone rehabilitation yet creating the potential for more wet weather SSOs. Not only was the soil saturated due to the heavy amount of rainfall received during this period but some of the rainfall occurred quickly as heavy events. Individual storm intensities from temporary rain gauges in the Fourth Creek system in Spring 2011 registered storms that exceeded 50 year, one-hour intensities, and over two-year, 24-hour

intensities. These overall increases in precipitation and high antecedent moisture conditions combined with high storm intensities accounted for 67 percent of the wet-weather SSOs last year.

KUB achieved completion and the beneficial use of the Lower Third Creek and Second Creek Wastewater Storage Facilities on June 30, 2011. The addition of these two tanks added 12 million gallons of peak-flow storage for the Kuwahee Wastewater Treatment Plant. 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 81 times in 2011 (an average of about 13.5 times each), containing over 200.5 million gallons of wastewater. The storage tanks allow KUB to store excess wastewater to prevent sanitary sewer overflows resulting from peak wetweather flows, meet requirements related to the Consent Decree, and protect the environment.

There has also been a 71 percent decrease in building backups since 2003, which can be attributed to system rehabilitation efforts, the success of the Private Lateral Program, and increased response to problems on property. At the end of 2007, KUB began using a lateral launch camera to inspect private sewer laterals in addition to sewer mains in response to problems on property. Those inspections are now used as enforcement for the Private Lateral Program to require repair of any defective private lateral.

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

Key to the spreadsheet headings in the SSOER

- **1. Date:** Date the overflow was discovered by/or reported to KUB.
- 2. Street #: The street number of the location where the overflow occurred.
- 3. Street: The street name where the overflow occurred.
- Plant: The wastewater treatment plant (WWTP) that receives wastewater from the collection system in the area of the overflow. *Abbreviations:* EBR – Eastbridge WWTP; FC – Fourth Creek WWTP; KUW – Kuwahee WWTP; LC – Loves Creek WWTP.
- **5.** Watershed: A natural geographic area draining to a particular waterway, such as First Creek.
- **6. Basin:** A small area of the sewer system separated by natural topography or system configuration. KUB identifies basins by a number.
- **7.** Overflow Location: This location information is specific to the KUB system, listing manhole numbers (MH#), pump stations, etc., or if the overflow was on a customer lateral or at a broken pipe.
- 8. Private Property Location: 'BB' indicates that a sewer backed up into a building in association with a reportable SSO. Building backups associated with overflows are shown in the building backup spreadsheet.
- **9.** Cause of SSO/KUB Response: The causes of SSOs are inflow and infiltration (I&I) from rain or flooding and blockages caused by grease buildup, roots, or debris. This column lists immediate actions KUB took in response to the SSO, such as repairing the line, etc.
- **10. Volume (Gallons):** The estimated gallons of wastewater spilled in the overflow.
- 11. Duration (Hours): The estimated number of hours an overflow lasted.
- **12. Event Occurred Two or More Times Within 12 Months:** Shows SSOs recurring two or more times in a 12-month period.
- **13. Long-Term Capital Project:** Indicates whether the SSO requires long-term resolution, such as a capital improvement project. The five-year construction plan is formally updated on an

annual basis and at other times during the fiscal year, as needed, to reflect changing conditions, priorities, and/or needs.

- Construction Completed
- Current Construction Underway: Work (engineering design and construction) is under way at the time of this report
- Future Construction Planned: The need for a capital project has been identified/scheduled for future
- N/A: One-time SSOs may not require long-term projects.
- 14. Short-Term Controls Blockage Abatement (BA): Short-term resolutions to SSOs and building backups include activities intended to reduce and/or eliminate the cause of the overflow or building backup. These activities include equipment/pipe/manhole repairs, routine pipe cleaning, chemical root control, grease inspections/enforcement, power restoration, etc. In some cases when an overflow has occurred two or more times in a 12-month period, a long-term corrective action will also be needed in addition to BA.
- **15. BA Schedule:** The frequency of scheduled maintenance for areas experiencing SSOs or building backups being alleviated by short-term measures.

Key to the headings in the building backup spreadsheets

- **1. Date:** Date the backup was discovered by/or reported to KUB.
- 2. Street #: The street number of the location where the backup occurred.
- 3. Street: The street name where the backup occurred.
- 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: The causes of backups are inflow and infiltration (I&I) from rain or flooding and blockages caused by grease buildup, roots, or debris. This column lists immediate actions KUB took in response to the backup, such as repairing the line, 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

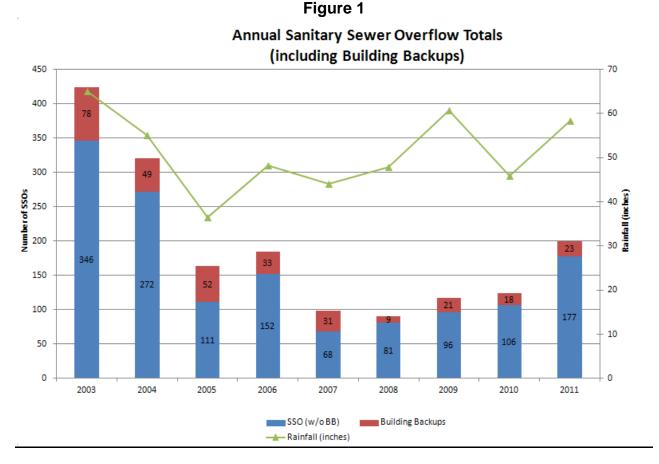
backup. These activities include equipment/pipe/manhole repairs, routine pipe cleaning, chemical root control, grease inspections/enforcement, power restoration, etc. In some cases when a backup has occurred two or more times in a 12-month period, a long-term corrective action will also be needed in addition to BA.

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

2003-2011 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 the overall significant decline in sanitary sewer overflows, including building backups over the last nine years. The slight increase in 2006 relative to the previous year can be attributed to a three-day period of rain in September. During this event, rain gauges across our service territory recorded between 4.39 and 5.88 inches of rain. This event, which exceeded a two-year 24-hour storm return period, resulted in 33 rainfall-related SSOs. Those 33 events accounted for 49 percent of the wet-weather SSOs that occurred during 2006.

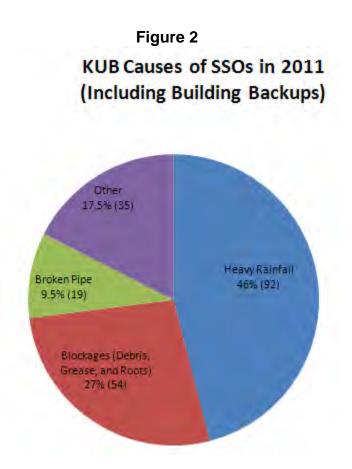
The total number of SSOs continued to decrease again after 2006 until 2009 when the annual rainfall and weather conditions began to affect the decline. The Knoxville area experienced a 27 percent increase in rainfall during 2009 compared to 2008. There were 47.75 inches of rainfall in 2008 and 60.66 inches in 2009, as reported by the National Weather Service (NWS). This amount

of annual rainfall had not occurred since 2003 when the area received 65 inches of rain throughout the year, but in 2009 only 29 wet-weather SSOs occurred compared to over 200 in 2003. Then in January of 2010 our service area received an additional six inches of rain when the ground was already saturated from six inches of rain in December. These soil moisture conditions from 12 inches of rain in the prior 60 day period helped produce 16 SSOs at the very start of 2010 or 50 percent of the wet-weather SSOs reported for that year.

The number of SSOs including building backups increased to 200 in 2011 when the annual rainfall approached 60 inches again. Ninety-two of those were wet-weather related and represent 46 percent of the total. Sixty-two of the 92 wet-weather SSOs and building backups in 2011 resulted between February and April when the Knoxville area received over 21 inches of rain. As seen in Table 1, rain totals were 54 percent above average for this time period. In fact, one rain event that occurred on February 28, 2011, produced an average of three inches of rain in three hours causing widespread flooding and resulted in significant inflow and infiltration to the collection system in areas where rehabilitation work had not been completed. A total of 32 sewer overflows were reported as a result of this single rain event, and KUB requested the February 28, 2011 storm event be recognized as a Force Majeure event in a letter to the EPA on March 18, 2011. Heavy rains continued into March with approximately six more inches of rain recorded.

There were also two large rain events in April 2011 that contributed to multiple SSOs. On April 15, KUB's service area received approximately 2.5 inches of rain in 15 hours, and then on April 27, there was an average of three inches of rain in 13 hours. Both of these storms were considered to be greater than a two-year return period storm. Twenty-four more wet-weather SSOs occurred as a result of these two rain events.

There were 108 dry-weather SSOs, including building backups, in 2011, which account for 54 percent of the total. Since 2003, there has been a 46 percent decrease in dry-weather SSOs, including building backups, in our collection system. This number has remained somewhat constant over the last three years, but there appears to be an increase in dry weather overflows in months where there are high amounts of rain or rain combined with high antecedent moisture conditions. This can result from the flushing of solids or grease downstream where they collect to cause blockages. Between February and April 2011, there were 37 dry weather overflows in KUB's system which accounted for more than 34 percent of the total dry-weather overflows.



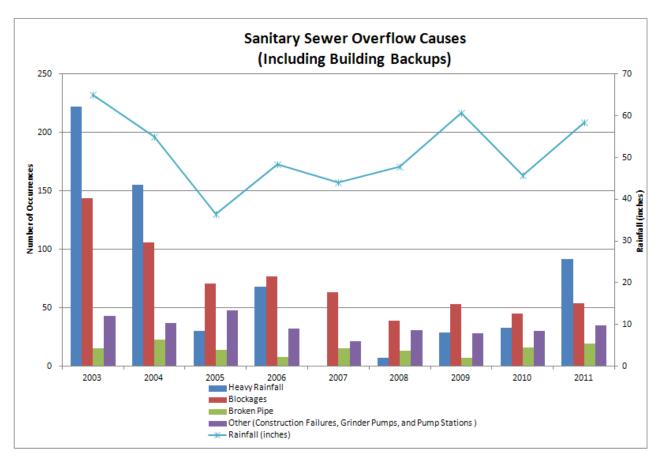
Causes of Sanitary Sewer Overflows

Figure 2 presents a comparison of SSOs for 2011 by causes. In this graph, the SSOs were grouped into four categories:

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

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 have been the major cause of SSOs in recent years, but they have declined by almost 63 percent since 2003. Blockage-related events increased from 45 in 2010 to 54 in 2011, which can be explained by the amount of rainfall received, especially with increased collection system flows following an extended dry period. This is seen in the slight increases in 2006, 2009, and 2011 relative to the previous years. There were at least 10 blockage-related events in 2009 that occurred in conjunction with higher flows, seven in 2010, and 11 in 2011. Grease and debris tend to accumulate in the collection system during dry periods with lower than typical flows. Higher flows following rainfall events can then move these materials through the system and cause blockage-related overflows at another location.

KUB's Blockage Abatement (BA) Program, an operational and maintenance approach to blockage-related overflows, has continuously improved and expanded since 2003. For example,

KUB restructured the program in 2004 to maximize cleaning efforts by updating the frequencies and type of maintenance activities. KUB also selected a contractor to perform BA maintenance in 2004 so internal resources could focus on proactive maintenance and assessment. Last year KUB cleaned more than 150 miles of sewer main, as compared to 117 miles in 2003.

Along with the BA Program, KUB's successful Grease Control Program has also played a role in the decrease in blockage-related SSOs over time. Grease related SSOs dropped from 50 in 2003 to 21 in 2011.

Each of these programs is described in greater detail in the summaries for the Gravity Line Preventative Maintenance and Grease Control Programs included in the 2011 Annual MOM Progress Report.

Heavy Rainfall

These events resulted from extraneous water entering the collection system due to rain events that exceeded the hydraulic capacity of the system.

Figure 3 indicates rain was the largest contributor to SSOs in 2003 and 2004, but the impacts of rain have decreased over time due to system rehabilitation and storage tank construction. Following the 2007 drought year, during which no events were caused by heavy rainfall, normal rainfall in 2008 caused seven events. Since 2008 there has been an increase in wet-weather overflows that can also be attributed to the influence of rainfall. The heavy rainfall (61 inches) in 2009 caused an increase in wet-weather events relative to the prior two years. This amount of annual rainfall had not occurred since 2003 when the area received 65 inches of rain throughout the year. Rainfall exceeding three inches in 24 hours in January 2009 produced 15 wet-weather related events, notably less than the 33 overflows observed under similar conditions in 2006. Another similar rainfall in September produced seven events. These intense rainfall conditions exceeded a two-year 24-hour storm return period and produced a total of 22 overflows.

There were 33 overflows as a result of heavy rainfall in 2010. The soil in January 2010 was saturated due to the amount of rainfall received (12.02 inches) within the 60 days prior. This wetter period produced high antecedent soil moisture conditions, which combined with a large rain event beginning on January 24, 2010, produced 16 overflows. There was another significant rain on November 29, 2010, where the area received 3.5 inches of rain within a five-day period and 11 inches in the 60 days prior that resulted in nine wet-weather related overflows at the end of the year. These two rain events accounted for 64 percent of the wet-weather events in 2010. Improvements already made in the collection system have dramatically decreased the effects from rainfall patterns and antecedent soil moisture conditions.

There were 92 overflows as a result of heavy rainfall in 2011. From February to April 2011 the Knoxville area received over 21 inches of rainfall, with some isolated areas receiving even more. Not only was the soil saturated due to the heavy amount of rainfall received during this period but some of the rainfall occurred quickly as heavy events. This period of heavy rain produced 62 of the total wet weather overflows in 2011.

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. A total of 32 sewer overflows were reported as a result of this single rain event. The rainfall caused substantial, widespread flooding leaving much of our wastewater collection system underwater for a period of time, which resulted

in significant amounts of inflow and infiltration into the KUB wastewater system in areas where rehabilitation work has not been completed. All four of KUB's wastewater storage tanks were filled to maximum capacity, retaining approximately 22 million gallons of rainwater to prevent sewer overflows. KUB requested the February 28, 2011 storm event be recognized as a Force Majeure event in a letter to the EPA on March 18, 2011. Heavy rains continued into March with approximately six more inches of rain recorded.

There were also two large rain events in April 2011 that contributed to multiple SSOs. On April 15, KUB's service area received approximately 2.5 inches of rain in 15 hours, and then on April 27, there was an average of three inches of rain in 13 hours. Both of these storms were considered to be greater than a two-year return period storm. Twenty-four more wet-weather SSOs occurred as a result of these two rain events.

The soil was saturated due to the heavy amount of rainfall received during this period. The average rainfall, according to the Knoxville Airport rain gauge, between February and April in the Knoxville area is calculated to be 13.06 inches. In total, 20.05 inches of rain fell between these months in 2011, which is an increase of 54 percent when compared to the average. As mentioned above, the high storm intensities combined with the high antecedent moisture conditions and increased amount of precipitation accounted for 67 percent of the wet-weather SSOs last year.

Table 2 compares the number of SSOs occurring during rainfall events associated with antecedent soil moisture conditions and clearly illustrates the effects from improvements within our system.

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

Table 2. Wet-Weather Event Comparison

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

Overall, overflows due to heavy rainfall have decreased 59 percent since 2003. Table 2 shows rainfall and SSOs for similar wet-weather events. It also includes volumes associated with secondary diversions, or the volume of wastewater that is routed away from the biological portion of treatment during high flow to prevent harm to the plant. When comparing the December 2004 event with the April 25-27 2011 event, there is an 85 percent decrease in the number of SSOs and over a 90 percent decrease in secondary diversion volume. These significant decreases can be attributed to the success of line replacement, rehabilitation projects, and the construction of storage facilities. The use of the four storage tanks during heavy rainfall events reduced the number of overflow events at chronic sites and elsewhere in the system downstream of the tanks. Two additional tanks, Lower Third Creek and Second Creek, became operational in June 2011 to

help mitigate the impact of wet-weather flows on the Kuwahee WWTP. Collectively these tanks retained 200.5 million gallons of wastewater in 2011.

The "Long-Term Capital Improvement" column of the SSOER identifies areas that are susceptible to impacts of I/I and outlines ongoing or planned system improvements to further address I/I issues.

Broken Pipe

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

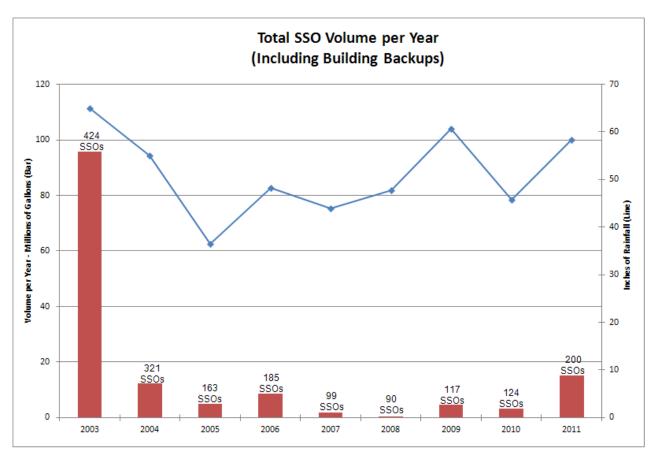
Figure 3 shows SSOs due to broken pipe fluctuate slightly but overall the trend has been fairly constant (less than 20 SSOs) over the last several years. There were 19 SSOs due to broken pipe in 2011. Ground conditions can cause pipes to shift weakening joints. KUB continues to proceed with a significant amount of system rehabilitation and main line replacement to keep occurrences related to broken pipes low. Over 190 miles of pipe have been rehabilitated since the beginning of the PACE 10 program.

<u>Other</u>

Construction failures, grinder pump failures, and pump station issues were the primary drivers in this category for 2011. This includes dig-ins by contractors, construction failures due to contractors, failures of pump-around efforts, and electrical/mechanical failures at pumping facilities.

As Figure 3 indicates 'Other' causes decreased after 2005 on average about 50 percent, but remained somewhat flat in recent years. KUB continues to look closely at the specific causes within this category to eliminate SSOs, whenever possible. This year 18 SSOs and building backups were caused by grinder pump failures, representing over 51 percent of total SSOs in this category. In 2011, all 135 KUB owned grinder pumps were assessed. During this assessment, each pump was repaired according to the results of the inspection to bring all grinder pumps up to a base level for evaluation. Based on these results, each grinder pump was prioritized and set on a more aggressive maintenance schedule to help prevent future SSOs.





Sanitary Sewer Overflow Volumes

Figures 4.A and 4.B represent the SSO volumes between 2003 and 2011. For Figure 4.B, the SSO volumes were grouped into four volume ranges:

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

Total volumes have decreased by over 84 percent, from 95.66 million gallons in 2003 to 15.15 million gallons in 2011. The dramatic decrease in total overflow volumes from 2006 to 2007 is attributed to very low rainfall totals. All of the overflows that occurred in 2007 were dry-weather events. This downward trend continued in 2008 with the use of four storage tanks to help manage peak wet-weather flows. The increase in 2009, 2010, and 2011 was a result of increased rainfall, and particularly the result of individual rainfall events of significant magnitude.

In 2011, KUB achieved substantial completion and the beneficial use of the Lower Third Creek and Second Creek Wastewater Storage Facilities. These tanks add 12 million gallons of peak-flow storage for the Kuwahee WWTP to further reduce wet-weather SSOs, reduce diversions, and provide improved operational flexibility during heavy rainfall. It is important to note that KUB attempts to recover as much volume as possible during each event and respond to overflows as quickly as possible, which results in lower discharge volumes. Also, the use of KUB's six storage facilities and ongoing rehabilitation efforts have significantly reduced the flows in the sewer system during heavy rainfall events thereby minimizing the amount of unrecovered volume.

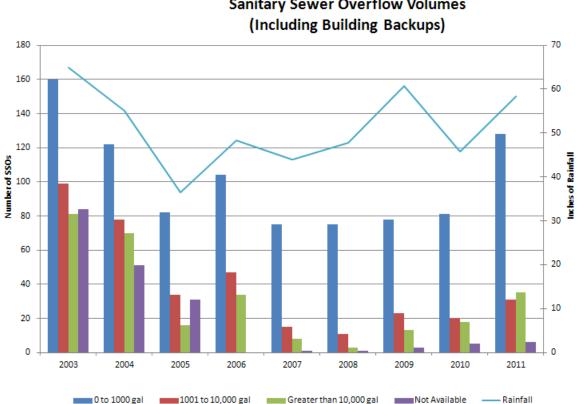


Figure 4.B Sanitary Sewer Overflow Volumes

The Sewer Overflow Response Plan (SORP), updated in 2011, provides structured volume estimating techniques for field crews. The SORP provides six basic techniques to determine the amount of discharge that occurred:

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

0 to 1000 gallons

In 2011, 128 of the 200 SSOs and building backups were less than 1,000 gallons, and out of those, 87.5 percent were 500 gallons or less. Most of these events were related to blockages or other non-rain-related events.

1001 to 10,000 gallons

This volume range can again be related to non-rain events. The trend for this range is similar to the 0 to 1000 gallons trend. There were only 31 SSOs and building backups in this category for 2011.

Greater than 10,000 gallons

These volumes are normally associated with rainfall-related events. The trend from 2003-2004 is similar to the previous categories. The number of events decreased significantly in 2005, however, due in part to a lower than average amount of rainfall as well as significant improvement projects in areas of chronic wet-weather overflows. The increase from 2005 to 2006 can be attributed to the significant three-day event in September 2006. The dramatic decrease in volumes for 2007 and 2008 can be directly correlated to the weather conditions and the use of four storage facilities. The increase in 2009, 2010, and 2011 can be related to the increase in rainfall totals, but the volumes were still substantially reduced by the use of the storage tanks. Thirty-five SSOs and building backups fell into this category in 2011.

Not Available (N/A)

This volume range represents situations where responders were not able to calculate volume because the overflow had occurred at some point in the past and was not detected until after the overflow had stopped. Under KUB's revised SORP, crews calculate volumes for both overflows and building backups, where sufficient flow data is available. There were six cases in 2011 where the total could not be estimated because the overflow had stopped by the time it was discovered. Situations where the overflow is discovered at a later date do not allow volume to be reported.

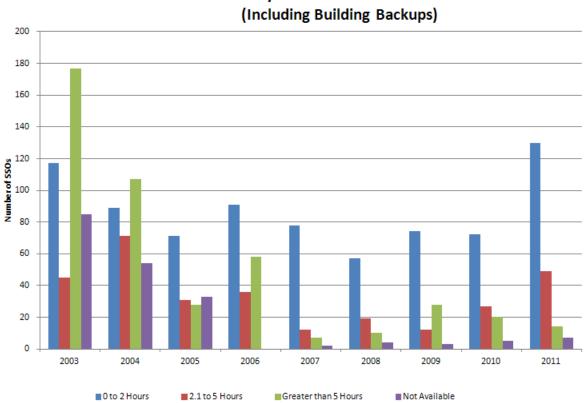


Figure 5 Sanitary Sewer Overflow Durations (Including Building Backups)

Sanitary Sewer Overflow Durations

Figure 5 represents the SSO durations between 2003 and 2011. Durations are typically based on the amount of time elapsed since the overflow was first observed until the time the overflow was observed to have stopped. In cases where KUB can document or has reason to believe the overflow had been ongoing prior to observation, durations may be estimated. In many cases, KUB mitigated the overflow shortly after confirmation of the event. The SSO durations were grouped into four ranges:

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

0 to 2 hours

This duration range is typically associated with blockage-related events. This category shows a slight increase in 2006 and again in 2009 tracking with rainfall events. Durations decreased in 2007 and 2008. With this category having the highest number of events from 2005 to 2011, the increased response time directed by the SORP is evident. The 2011 Annual MOM Progress Report showed that our average response time for SSOs was 42 minutes. Sixty-five percent of SSOs and building backups in 2011 fell within this range. KUB currently has 18 automated manhole surcharge indicators that monitor flows using depth sensors and telemetry. When a

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

2.1 to 5 hours

Again, this duration is typically related to blockages and/or rain events and this category fluctuates over the timeframe. The range was from a low of 12 in 2007 to a high of 71 in 2004. However, the overall average since 2006 has decreased by about 48 percent relative to the average in the previous four years and shows KUB improved response to reduce the duration and volume of SSOs within our system. Only 49 occurrences from 2011 fell within this category.

Greater than 5 hours

These durations are typically associated with rainfall events. This duration range represented the largest number of events from 2003 to 2004. The lowest annual number of occurrences was seven in 2007, and the highest was 177 in 2003. The number of occurrences in this category increased from 2005 to 2006 due to the significant three-day event in September 2006. The number of occurrences dropped significantly in 2007, but increased slightly in 2008. An increase similar to that seen in 2006 was apparent again in 2009 - 2011 given the rainfall conditions. The number of occurrences decreased in 2011 to 14.

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 seven cases in 2011 where the time was unknown because the overflow had stopped by the time it was discovered. Situations where the overflow is discovered at a later date do not allow event durations to be reported.

Appendix A

Unpermitted Discharges Subject to Stipulated Penalties

2011 Unpermitted Discharge Data and Analysis

Appendix A lists any SSO in 2011 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 rain > 4 in.	2
1-day > 3 in.	2
Intensity > 0.84 in/hr	15
501 gal <vol <1000="" gal<="" td=""><td>2</td></vol>	2
Vol < 500 gal.	17

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Figure	
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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. The rainfall caused substantial, widespread flooding leaving much of KUB's wastewater collection system underwater for a period of time. KUB requested all 32 SSOs associated with the February 28 rain event, to be considered under Force Majeure. During this rain event, 15 unpermitted discharges occurred. Four of these were 500 gallons or less.

From February to April 2011 the Knoxville area received over 21 inches of rainfall, with some isolated areas receiving even more. Not only was the soil saturated due to the heavy amount of rainfall received during this period but some of the rainfall occurred quickly as heavy events. Individual storm intensities from temporary rain gauges in the Fourth Creek system in Spring 2011 registered storms that exceeded 50 year, one-hour intensities, and over two-year, 24-hour intensities. All 15 unpermitted discharges under the Intensity category occurred during the severe rain events in the Spring of 2011. Eleven of those occurred during the February 28 rain event alone.

Also, the National Weather Service (NWS) recorded 8.7 inches of rain in September 2011. Most of this rainfall occurred around the beginning of the month. All four SSOs listed in Figure 7 under the one- and three-day categories fell within this period.

A significant decline in unpermitted discharges has also occurred over the last few years due to the completion of PACE 10 projects and KUB's ongoing system maintenance. KUB is ahead of schedule and has already assessed over 73 percent of its system. Rehabilitation or replacements have occurred in almost 15 percent of the system to aggressively eliminate SSOs and unpermitted discharges. The emphasis on Management, Operation and Maintenance (MOM) program efforts, as described in the recently submitted 2011 MOM Progress Report, is also a major contributor to this decline and will continue to be important to further reduce dry-weather related events.

No. Open and state Constrained and state Constrate <thconstrained and="" state<="" th=""></thconstrained>	Date	Street # Street	Plant	Watershed	Basin Overflow Location	Private Property Cause of SSO/KUB Response Location	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
Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	1/19/01		KUW	First Creek	2 MH 39-4		2000	4		Construction Completed	BA	12 Months
bit bi		614 SEVIER AVENUE	-					1		Construction Completed		
bit bit <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>			-					2				
Int Dist Dist <thd< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thd<>			-									
Ball Solution Ball Sol						Heavy rainfall in the area resulted in high flows in the collection system.			✓			
Subs Subs Subs Subs	1/24/02		KUW	Third Creek	35B Secondary Junction Box		1,000,000	20.5	~	Future Construction Planned	N/A	N/A
Des Des <thdes< th=""> <thdes< th=""> <thdes< th=""></thdes<></thdes<></thdes<>	4/05/00	2013 INETEAND DRIVE	KLINA	Third Oreals	05D Occasional Augustical David		50.000	0.5		Future Operation Discond	NVA	
Des Des <td>1/25/02</td> <td>2015 NEYLAND DRIVE</td> <td>KUW</td> <td>Third Creek</td> <td>SSB Secondary Junction Box</td> <td></td> <td>50,000</td> <td>2.5</td> <td>•</td> <td>Future Construction Planned</td> <td>N/A</td> <td>IN/A</td>	1/25/02	2015 NEYLAND DRIVE	KUW	Third Creek	SSB Secondary Junction Box		50,000	2.5	•	Future Construction Planned	N/A	IN/A
Des Des <thdes< th=""> <thdes< th=""> <thdes< th=""></thdes<></thdes<></thdes<>	3/17/02	1500 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass.	1,916,000	2	~	Future Construction Planned	Repair Completed	N/A
Prof. Distance of the second sec	3/17/02		киw	Third Creek	MH 1		Unknown	Unknown	~	Future Construction Planned	N/A	N/A
Dest Dest <thdest< th=""> Dest Dest <thd< td=""><td></td><td>2004 NEYLAND DRIVE</td><td></td><td></td><td>30B</td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td></thd<></thdest<>		2004 NEYLAND DRIVE			30B		-					
Image No. No. </td <td>3/17/02</td> <td>2015 NEYLAND DRIVE</td> <td>KUW</td> <td>Third Creek</td> <td>35B Secondary Junction Box</td> <td></td> <td>450,000</td> <td>9</td> <td>~</td> <td>Future Construction Planned</td> <td>N/A</td> <td>N/A</td>	3/17/02	2015 NEYLAND DRIVE	KUW	Third Creek	35B Secondary Junction Box		450,000	9	~	Future Construction Planned	N/A	N/A
Number Number<	3/18/02		FC	Fourth Creek	37 MH 1		134,000	0.13	~	Future Construction Planned	NIA	N/A
No. No. <td>2/19/02</td> <td>1500 ETONS BEIND ROAD</td> <td>KUW</td> <td>Third Crook</td> <td></td> <td></td> <td>200.000</td> <td>5.5</td> <td></td> <td>Future Construction Planned</td> <td></td> <td>NI/A</td>	2/19/02	1500 ETONS BEIND ROAD	KUW	Third Crook			200.000	5.5		Future Construction Planned		NI/A
NUM Construction					-							
No. No. <td></td>												
And processing And pro			-					2				
No. 2008 Monoto No. 3 Annu M. No. 3 Annu M. No. 3 No. 3 <td></td> <td>2600 WOODSON DRIVE</td> <td></td>		2600 WOODSON DRIVE										
No. No. <td></td> <td></td> <td></td> <td></td> <td>35B</td> <td>bypass.</td> <td></td> <td></td> <td>~</td> <td></td> <td></td> <td></td>					35B	bypass.			~			
International Internat		7661 BUD HAWKINS ROAD						-				
No. No. <td></td> <td></td> <td></td> <td></td> <td>35B</td> <td></td> <td></td> <td></td> <td>~</td> <td>Future Construction Planned</td> <td></td> <td></td>					35B				~	Future Construction Planned		
No. No. No. No. No.								2				
Abot Abot <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>12</td><td></td><td></td><td></td><td></td></t<>								12				
Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum Sum Control Sum	9/21/02		KUW	Third Creek	MH 1		1,660,000	2.18	~	Future Construction Planned	N/A	N/A
No. No. <td>0/04/00</td> <td>2004 NETLAND DRIVE</td> <td>10.04</td> <td>T1: 10 1</td> <td></td> <td></td> <td></td> <td>0.05</td> <td></td> <td></td> <td></td> <td></td>	0/04/00	2004 NETLAND DRIVE	10.04	T1: 10 1				0.05				
No. No. <td></td> <td></td> <td></td> <td></td> <td></td> <td>into the WWTP resulted in an inadvertent overflow.</td> <td></td> <td></td> <td>~</td> <td></td> <td></td> <td></td>						into the WWTP resulted in an inadvertent overflow.			~			
No. No. <td></td> <td>2600 WOODSON DRIVE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12</td> <td></td> <td></td> <td></td> <td></td>		2600 WOODSON DRIVE						12				
Store Store <th< td=""><td>9/22/02</td><td>2004 NEYLAND DRIVE</td><td>KUW</td><td>Third Creek</td><td>35B MH 1</td><td></td><td>1,300,000</td><td>1</td><td>~</td><td>Future Construction Planned</td><td>N/A</td><td>N/A</td></th<>	9/22/02	2004 NEYLAND DRIVE	KUW	Third Creek	35B MH 1		1,300,000	1	~	Future Construction Planned	N/A	N/A
No. 6 No. 6 No. 6 Add 1 Add 2 Add 2 Controlscorped/set Mode 3 M	9/22/02		KUW	Third Creek	35B MH 1		5,700,000	4.5	✓	Future Construction Planned	N/A	N/A
101 200 2000000000000000000000000000000000000	10/3/02		FC	Fourth Creek			1200	2	✓	Construction Completed	N/A	N/A
11100112 <th< td=""><td>10/4/02</td><td>2600 WOODSON DRIVE</td><td>KUW</td><td>South Knoxville</td><td>44 MH 2-1</td><td>The wastewater pump station overflowed due to an electrical failure at the station.</td><td>6000</td><td>1</td><td>✓</td><td>Construction Completed</td><td>Repair Completed</td><td>12 Months</td></th<>	10/4/02	2600 WOODSON DRIVE	KUW	South Knoxville	44 MH 2-1	The wastewater pump station overflowed due to an electrical failure at the station.	6000	1	✓	Construction Completed	Repair Completed	12 Months
No. No. <td>11/11/02</td> <td>2907 GINNBROOKE LANE</td> <td>KUW</td> <td>Knob Creek</td> <td>47 MH 22</td> <td>The overflow occurred as the result of the loss of electrical power during a severe storm event</td> <td>2700</td> <td>3</td> <td>~</td> <td>Construction Completed</td> <td>Repair Completed</td> <td>N/A</td>	11/11/02	2907 GINNBROOKE LANE	KUW	Knob Creek	47 MH 22	The overflow occurred as the result of the loss of electrical power during a severe storm event	2700	3	~	Construction Completed	Repair Completed	N/A
No. No. <td></td>												
320 320 1000 100 100 <t< td=""><td>12/5/02</td><td></td><td>FC</td><td>Fourth Creek</td><td></td><td></td><td>18,000</td><td>12</td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td>N/A</td></t<>	12/5/02		FC	Fourth Creek			18,000	12		· · · · · · · · · · · · · · · · · · ·		N/A
Bits Bits <th< td=""><td>2/14/03</td><td>2004 NEYLAND DRIVE</td><td>KUW</td><td>Third Creek</td><td>35B MH 1</td><td>into the WWTP resulted in an inadvertent overflow.</td><td>1,600,000</td><td>1.5</td><td>~</td><td>Future Construction Planned</td><td>N/A</td><td>N/A</td></th<>	2/14/03	2004 NEYLAND DRIVE	KUW	Third Creek	35B MH 1	into the WWTP resulted in an inadvertent overflow.	1,600,000	1.5	~	Future Construction Planned	N/A	N/A
bits bits <th< td=""><td>2/14/03</td><td>2015 NEYLAND DRIVE</td><td>KUW</td><td>Third Creek</td><td>35B Secondary Junction Box</td><td></td><td>3000</td><td>0.25</td><td>~</td><td>Future Construction Planned</td><td>N/A</td><td>N/A</td></th<>	2/14/03	2015 NEYLAND DRIVE	KUW	Third Creek	35B Secondary Junction Box		3000	0.25	~	Future Construction Planned	N/A	N/A
2100 100 Vinit and Addition Vinit and Addition Vinit and Addition Vinit Addition VinitAddition <td></td> <td></td> <td>KUW</td> <td></td> <td></td> <td>Heavy rainfall in the area resulted in high flows in the collection system.</td> <td></td> <td></td> <td>~</td> <td>Construction Completed</td> <td>N/A</td> <td>N/A</td>			KUW			Heavy rainfall in the area resulted in high flows in the collection system.			~	Construction Completed	N/A	N/A
Note Privac Note <	2/15/03	1500 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1		136.000	2	✓	Future Construction Planned	N/A	N/A
100 <th< td=""><td></td><td></td><td></td><td></td><td> MH 1</td><td>During high flow conditions, valve operations deemed necessary by operator to control flow</td><td></td><td></td><td>~</td><td>Future Construction Planned</td><td>N/A</td><td></td></th<>					MH 1	During high flow conditions, valve operations deemed necessary by operator to control flow			~	Future Construction Planned	N/A	
Partial Partial During the Northweet revenues to revenue to revenues to revenues to revenue to revenues to revenue to revenu			-		336				~			
Differ Ubit NUMBARHING NUMBAR Number Section Differ Differ<												
21032004NVLAD DUNC(N)(N)(N)(N)NANA217332005NVLAD DUNC(N) <td< td=""><td>2/16/03</td><td>1500 LYONS BEND ROAD</td><td>FC</td><td>Fourth Creek</td><td></td><td></td><td>871,000</td><td>6</td><td></td><td></td><td>N/A</td><td>N/A</td></td<>	2/16/03	1500 LYONS BEND ROAD	FC	Fourth Creek			871,000	6			N/A	N/A
21/200 24/201 Control Control <thcontrol< th=""> <thcontrol< th=""> <thcon< td=""><td>2/16/03</td><td>2004 NEYLAND DRIVE</td><td>KUW</td><td>Third Creek</td><td>35B MH 1</td><td></td><td>12,120,000</td><td>18</td><td>~</td><td>Future Construction Planned</td><td>N/A</td><td>N/A</td></thcon<></thcontrol<></thcontrol<>	2/16/03	2004 NEYLAND DRIVE	KUW	Third Creek	35B MH 1		12,120,000	18	~	Future Construction Planned	N/A	N/A
2190 414 OMANDE ROV. 610 7 Construction Stream 800 6 7 Construction Stream 60. 60. <	2/17/03		KUW	Third Creek	35B MH 1		1 480 000	7	~	Future Construction Planned	N/A	NI/A
2210 200 NEX MD DRVE NUM This Cleak. 36 MH 1 During high flow conditions, while optimizes down microscales by constructions. 1,30,100 2,30 C Finance Construction Planned NA NA 2200 200 NEX MD DRVE U/U Incluse Construction Planned 8.4 0.4 1.50,100 3 - Finance Construction Planned 8.4 0.4 NA 2200 200 NEX MD DRVE V/W The Construction Planned NA NA NA 2200 200 NEX MD DRVE V/W The Construction Planned NA NA NA 2200 204 NEX MD DRVE V/W The Construction Planned NA NA NA 2200 204 NEX MD DRVE V/W The Construction Planned NA NA NA NA 2200 204 N/W Nonconstruction Planned NA NA NA NA NA 2010 N/W Nonconstruction Planned NA NA								6	✓	Construction Completed	BA	
22010 2004 NEUL ND DRVE NUM The Check 38 MH1 During high flow conditions, while optimizes down methods any ty optimit to control bese may. 1,500 2 4 Finance Construction Planned NAA NAA 20200 ALL OWNER DAVIE L10 Lose Construction Planned 38 MH1 During high flow conditions, while optimities an independent one-construction 38 3 Finance Construction Planned 8A 120 20200 Scile ALL/REX VEW NUM The Check 38 MH1 During high flow conditions, while optimizes 38 22.6 V Finance Construction Planned NAA NA 20203 Scile ALL/REX VEW NUM The Check 38 MH1 During high flow conditions, while optimizes 38 3 7 Finance Construction Planned NAA NAA 20203 Scile ALL/REX VEW ROAD FO Found Construction Planned NAA MAA NAA 20203 Scile ALL/REX VEW ROAD FO Found Construction Planned NAA MAA NAA 20203	0/40/02	UPCHURCH ROAD		First Oreals	7		00	2		Future Operation Discound		10 Martha
2200 200 Chund Univer Aun Into Links 3.0 3.0 Into Links 3.0 3.0 3.0 Into Links 3.0<	2/19/03	4606	KUW	First Creek	MU 1		90	3				12 Months
22203 240 NF1 AND DRNE NN Third Cred 25 M11 During high from constructs, where greating is described in splet mice in the construct on the max marked in the free are stated in third free in the construct on the mark marked in the free are stated in third free in the construct on the mark marked in the free are stated in third free in the construct on the mark marked in the free are stated in third free in the construct on the mark marked in the free are stated in third free in the construct on the mark marked in the free are stated in third free in the construct on the mark marked in the free are stated in third free in the construct on the mark marked in the free are stated in third free in the construct on the mark marked in the free are stated in third free in the construct on the mark marked in the free are stated in third free in the construct on the mark mark mark mark mark mark mark mark					35B	into the WWTP resulted in an inadvertent overflow.			· ·			
2200 2004 PSYLAPD DRVE KUN This Creek 380 An1 Chance of the second control of	2/22/03		LC	Loves Creek			1800	3				12 Months
22203 4440 AdvALAND DRIVE KUW South Construction Completed BA 6 Month 22203 22001 Cold WADDSONRIVE KUW South Construction Completed NA NA 22001 7081 BLD MAXKINS PADA B Eatherings 113 Weeted The statution tree for collocity system 10.0 0.17 - Construction Completed NA NA 22001 Statution Vieted NA NA Weeted NA NA <t< td=""><td></td><td></td><td></td><td></td><td>35B</td><td></td><td></td><td></td><td></td><td></td><td>N/A</td><td></td></t<>					35B						N/A	
26703 27676 IDU HAVKINS RADAD EB Easting 13 Weekeel The watering station controlled up to the sing station controlled up to the sing station. 100 0.17 100 100 0.16 0.10 0.16 0.10 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16												
PC PC For For For For Mode Mode <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td>									•			
3/13 3/13 <th< td=""><td></td><td></td><td></td><td>Fourth Creek</td><td></td><td></td><td></td><td></td><td>✓</td><td></td><td></td><td></td></th<>				Fourth Creek					✓			
31303 3961 FORD VALLEY ROAD KUW Knob Creek 41 Metwell The waskewater pump station overflowed due to a nechnical failure at the station. 600 0.5 ✓ Construction Completed NA NA 32003 981 FORD VALLEY ROAD KUW Knob Creek 41 Metwell The waskewater pump station overflowed due to a nechnical failure at the station. 00 0.5 ✓ Construction Completed NA NA 32003 981 FORD VALLEY ROAD KUW Knob Creek 41 Metvell Hervy ainfail in the astan evalued in pline at the station. 1000 0.5 ✓ Construction Completed NA NA 33003 991 FORD VALLEY ROAD KUW Knob Creek 41 Metvell The waskewater pump station overflow due to a nechnical failure at the station. 1500 0.5 ✓ Construction Completed NA NA 4/103 1215 FORD VALLEY ROAD KUW Knob Creek 41 Metvell Metvell Metvell NA 4/1003 2001 KEVCAND DRIVE												
3 961 FORD VALLEY ROAD KUW Kinob Creeke 41 Other water Main Main NA NA 322003 4713 [OLB ROADWAY KUW Kinob Creeke 41 Other water Unknown Unknown Construction Completed NA NA 33303 961 F ROR VALLEY ROAD KUW Kinob Creek 41 Wetwell The wasterwater pump station overflowed due to a mechanical failure at the station. 1000 3.3 ✓ Construction Completed NA NA 33103 961 F ROR VALLEY ROAD KUW Kinob Creek 41 Wetwell The wastewater pump station overflowed due to a mechanical failure at the station. 1000 3.3 ✓ Construction Completed NA NA 4/1003 2004 KEY LAND DRIVE KUW Tried Creek 38 MH1 Diring high flow conditions, value perstone demend necessary by operator to control flow to not water partial in a nadveter to evel to not water partial in a nadveter to evel to not the flow condition, value perstone demend necessary by operator to control flow to not water partial in the area station and inplic not water partial in the area stastation and inplin dow condition, value perstone de												
93/03 96/1 FORD VALLEY ROAD KUW KuK KuW KuK	3/20/03	961 E FORD VALLEY ROAD	KUW	Knob Creek	41 Wetwell	The wastewater pump station overflowed due to a mechanical failure at the station.	600	0.34	~	Construction Completed	N/A	N/A
33103 991 E-ORD VALLEY ROAD KUW Kub Creek 41 Wetwell The waterwater main was fluided to remore the blockage caused by grasse. 1500 0.5 ✓ Construction Completed NA NA 4/303 1216 ROCKY HLL ROAD FC Fourth Creek 36 MH 15 The waterwater main was fluided to remore the blockage caused by grasse. 240 2 NA BA/Grasse Control 120 mits 4/1003 2000 NEVLAND DRIVE KUW Third Creek 358 MH 1 During high flow conditions, valve operations deemed necessary by operator to control flow finite the Collection system. 100 3 4 State Construction Completed NA NA 4/1003 2000 NEVLAND DRIVE KUW State Construction Completed NA NA NA 5/503 2000 NEVLAND DRIVE KUW State Construction Completed NA NA NA 5/503 2000 NOADSND RIVE KUW State Construction Completed NA NA 5/503 2000 NOADSND RIVE KUW <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td>			-							•		
4/303 1215 ROCKY HILL ROAD FC Four frame 36 MH 155 The sever main was fluxbed to renove the blockage caused by greates. 240 2 0 C NA BAG Grease Control 12 Months 4/10/03 2004 NEYLAND DRIVE NUW Third Creek 36 MH 1 During high flow conditions, valve operations deemed necessary by operator to comform ownet. 1,740,00 3 4' Future Construction Planed NA NA 4/1003 2004 NEYLAND DRIVE KUW Third Creek 36 MH 1 MH 12:1			-					•				
41003 2004 $NEVLAND DRIVE$ KUV $Third Creek$ $3B$ MR^{M1} MA NA 41003 2000 $NCPLAND DRIVE$ KUV $South Knowille$ 44 $MH2.1$ $Heavy rainfall in the are aresulted in high flow conditions, value operations deemed necessary by operator to control flow4.54.5CConstruction CompletedNANA5/032004NEYLAND DRIVEKUVThird Creek3BMH1During high flow conditions, value operations deemed necessary by operator to control flow4.554.254.5CConstruction CompletedNANA5/5032004NEYLAND DRIVEKUVThird Creek3BMH1During high flow conditions, value operations deemed necessary by operator to control flow304.554.5CConstruction CompletedNANA5/5032004NEVLAND DRIVEKUVSuth Knowille44MH2.1Heavy rainfall in the area resulted in high flow conditions, value operations deemed necessary by operator to control flow3050CConstruction CompletedNANA5/6/031500LONS BEND ROADFCFuth Creek37MH1Heavy rainfall in the area resulted in high flows in the collection system.56/44.74.5CConstruction CompletedBA2/A5/6/03600RALLAHER VIEW ROADFCFourt Creek32MH17Heavy rainfall in the $												
410/03 2600 WOODSON DRIVE KUW South Knoxville 44 MH 2-1 Heavy rainfall in the are resulted in high flows in the collection system. 510 4.25 ✓ Construction Completed N/A N/A 5/5/03 2000 NEVLAND DRIVE KUW South Knoxville 44 MH 1 During high flow conditions, valve operations deeme in adverted system. 510 4.25 ✓ Construction Completed N/A N/A 5/5/03 2000 NEVLAND DRIVE KUW South Knoxville 44 MH 1 During high flow conditions, valve operations deeme in adverted system. 510 4.25 ✓ Future Construction Planned N/A N/A 5/5/03 2600 WOODSON DRIVE KUW South Knoxville 44 MH 1 MH 1 MH 1 MH 1 MH 1 MH 1 MA MA MA MA MA MA MA 5/6/03 2600 WOODSON DRIVE KUW South Knoxville 34 MH 1 MH 1 MH 1 MH 1 MH 1 MA MA MA MA MA MA 5/6/03 436 MAR	4/10/03	2004 NEYLAND DRIVE	ĸuw	Third Creek	35B MH 1		1,740,000	3	~	Future Construction Planned	N/A	N/A
5/5/03 2004 NEYLAND DRIVE KUW Third Creek 358 Min 1						Heavy rainfall in the area resulted in high flows in the collection system.		4.25	~	Construction Completed	N/A	
5/5/03 2600 WOODSON DRIVE KUW South Knoxville 44 MH 2-1 Heavy rainfall in the area resulted in high flows in the collection system. 3300 550 ✓ Construction Completed N/A N/A 5/6/03 10 LYONS BEND ROAD FC Fourth Creek 37 MH 1 MH 29-2 & 30 26.710 8.5 ✓ Future Construction Planned N/A N/A 5/6/03 436 MARYVILLE PIKE KUW South Knoxville 39 MH 29-2 & 30 Heavy rainfall in the area resulted in high flows in the collection system. 5640 47 ✓ Construction Completed BA 12 Months 5/6/03 436 MARYVILLE PIKE South Knoxville 39 MH 17 Heavy rainfall in the area resulted in high flows in the collection system. 5640 47 ✓ Construction Completed BA 12 Months 5/6/03 600 N GALLAHER VIEW ROAD FC Fourth Creek 38 MH 17 Heavy rainfall in the area resulted in high flows in the collection system. 49.875 66.5 ✓ Construction Completed N/A N/A 5/6/03 204 NEYLAND DRIVE	5/5/03		KUW/	Third Creek	35B MH 1		1 050 000	3	✓	Future Construction Planned	N/A	N/Δ
Jack			-		336			<u>5</u> 50	✓		N/A	
5/6/03 15/01 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>During high flow conditions, valve operations deemed necessary by operator to control flow</td><td></td><td></td><td>~</td><td></td><td></td><td></td></t<>						During high flow conditions, valve operations deemed necessary by operator to control flow			~			
5/6/3 6/0 N GALLAHER VIEW ROAD FC Found (MH Creak) MH Creak) MH Creak			-						~			
5/6/03 2004 NEYLAND DRIVE KUW Third Creek 358 MFT 1 N/A N/A						Heavy rainfall in the area resulted in high flows in the collection system.			~			
	5/6/03	2004 NEYLAND DRIVE	киw	Third Creek	35B MH 1		22,060,000	15	✓	Future Construction Planned	N/A	N/A
	5/7/03	961 E FORD VALLEY ROAD			41 Wetwell			2	✓	Construction Completed	N/A	N/A

Date S	Street # Street	Plant	Watershed	Basin Overflow Location Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	ed two e times Long-Term Capital Project n 12	Short-Term Controls Blockage Abatement (BA)	BA Schedule
5/7/03	2004 NEYLAND DRIVE	ĸuw	Third Creek	35B MH 1	During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	19,400,000	15.5	Future Construction Planned	N/A	N/A
5/11/03	2600 WOODSON DRIVE	KUW	South Knoxville	44 MH 2-1	Heavy rainfall in the area resulted in high flows in the collection system.	300	1.5 ✓	Construction Completed	N/A	N/A
5/45/00		50	Fourth One als	27	Loss of electrical power to the plant during a severe storm resulted in a partial plant influent	4 500 000	~ · · ·	Future Construction Planned	N/A	NVA
5/15/03 5/19/03	1500 LYONS BEND ROAD 615 SEVIER AVENUE	FC KUW	Fourth Creek South Knoxville	37 MH 1 40 MH 1-43	bypass. The sewer main was flushed to remove the blockage caused by debris.	1,500,000 300	3		N/A BA/Grease Control	N/A 3 Months
7/2/03	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	14,440	24 🗸		N/A	N/A
7/9/03	1500 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	Loss of electrical power to the plant during a severe storm resulted in a partial plant influent	1,370,000	3.14	Future Construction Planned	N/A	N/A
7/10/03	3821 W BLOUNT AVENUE		South Knoxville	39 MH 29-2 & 30	bypass. Heavy rainfall in the area resulted in high flows in the collection system.	1,370,000	5 ✓	Construction Completed	BA	12 Months
7/14/03	3821 W BLOUNT AVENUE	KUW	South Knoxville	39 MH 29-2	Heavy rainfall in the area resulted in high flows in the collection system.	60	1 🗸		BA	12 Months
9/9/03	5246 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Residential Grinder Pump	There was a blockage in the residential grinder pump caused by a ruptured force main.	30	4	N/A	Repair Completed	N/A
9/13/03	5241 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Residential Grinder Pump	The residential grinder pump station was repaired and returned to service.	Unknown	Unknown	N/A	Repair Completed	N/A
9/21/03	5315 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Residential Grinder Pump	A landscaping contractor bit and damaged the control boy for the residential grinder numb	5	1	N/A	Repair Completed	N/A
11/6/03	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A MH 77	A landscaping contractor hit and damaged the control box for the residential grinder pump. Heavy rainfall in the area resulted in high flows in the collection system.	3600	4 ✓		N/A	N/A
11/6/02		ĸuw	Third Creek	35B MH 1	During high flow conditions, valve operations deemed necessary by operator to control flow	50.000	0.70	Future Construction Planned	N/A	N/A
11/6/03 11/10/03	2004 NEYLAND DRIVE 614 SEVIER AVENUE	KUW	Third Creek South Knoxville	40 MH 1-43	into the WWTP resulted in an inadvertent overflow. The sewer main was flushed to remove the blockage caused by grease.	50,000 240	0.72 0.5	Construction Completed	BA/Grease Control	3 Months
11/19/03	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	1920	8 🗸		N/A	N/A
12/11/03	1500 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	An electronic failure resulted in the shutdown of the influent pumps and the subsequent closure of the influent gate.	48,650	0.33	Future Construction Planned	Repair Completed	N/A
			r outer or ook		A high surge flow following the clearing of a blockage slightly overflowed the pump station			Construction Completed		
12/30/03	961	KUW	Knob Creek	41 Wetwell	wetwell.	30	0.17		N/A	N/A
1/28/04	4713 OLD BROADWAY	кuw	First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system/Overflow had stopped prior to arrival of crew/Evidence of SSO was present.	50	2	Construction Completed	BA	12 Months
2/6/04	961 E FORD VALLEY ROAD	KUW	Knob Creek	41 Wetwell	Heavy rainfall in the area resulted in high flows in the collection system.	54,000	9 🗸	Construction Completed	N/A	N/A
2/6/04 2/6/04	436 MARYVILLE PIKE 600 N GALLAHER VIEW ROAD	FC KUW	South Knoxville Fourth Creek	39 MH 30 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.	60,000 6050	22.5 ✓ 23.5 ✓		BA N/A	12 Months N/A
2/6/04	4144 OAKLAND DRIVE	KUW	First Creek	2 MH 39-4 & 39-5	Heavy rainfall in the area resulted in high flows in the collection system.	12,000	20 1	Concardoacin Completed	BA	12 Months
2/6/04	4713 OLD BROADWAY	KUW	First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	13,500	18 🗸		BA	12 Months
2/6/04	304 SEVENTH AVENUE	KUW	First Creek	18 MH 15	Heavy rainfall in the area resulted in high flows in the collection system.	6660	18.5 ✓ 1 ✓		BA N/A	12 Months
3/6/04	961 E FORD VALLEY ROAD	KUW	Knob Creek	41 Wetwell	Heavy rainfall in the area resulted in high flows in the collection system.	3000	1 🗸			N/A
3/6/04	2907 GINNBROOKE LANE	KUW	Knob Creek	47 Wetwell	Pumpstation failure-Electronic/The electronic controls that actuate the pumps malfunctioned.	2250	0.75	Construction Completed	Repair Completed	N/A
3/6/04	436 MARYVILLE PIKE	KUW	South Knoxville	39 MH 30 32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	1920	4 ✓ 3.5 ✓	Solicitadicii Completed	BA	12 Months
3/6/04 3/6/04	600 N GALLAHER VIEW ROAD 4713 OLD BROADWAY	FC KUW	Fourth Creek First Creek	32A MH 77 7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1680 3150	3.5 ✓ 2.5 ✓		N/A BA	N/A 12 Months
3/10/04	4144 OAKLAND DRIVE	KUW	First Creek	2 MH 39-4	Heavy rainfall in the area resulted in high flows in the collection system.	450	4 ✓		BA	12 Months
5/22/04	1215 ROCKY HILL ROAD	FC	Fourth Creek	36 MH 55	The sewer main was flushed to remove the blockage caused by grease and roots.	120	1	N/A	BA/Grease Control	12 Months
5/31/04	2600 WOODSON DRIVE	кuw	South Knoxville	44 MH 2-1	Pumpstation failure-Electrical/The pump station electrical power was restored after 1 hour and 37 minutes due to a severe thunder storm.	2400	1	Construction Completed	N/A	N/A
6/17/04	1210 E MOODY AVENUE	KUW	South Knoxville	40 MH 39	Heavy rainfall in the area resulted in high flows in the collection system.	4675	4 ✓	Construction Completed	N/A	N/A
					WWTP/Four primary clarifiers were taken out-of-service to increase the organic loading to the aeration basins. Heavy influent flows due to rainfall exceeded the process hydraulic capacity.			Future Construction Planned	N/A	
6/17/04	1500 LYONS BEND ROAD	FC	Fourth Creek	37 Primary Clarifiers 3, 4, 5 & 6	The reserve tanks were returned to service.	2000	0.58			N/A
6/23/04 6/25/04	4713 OLD BROADWAY	KUW KUW	First Creek	7 MH 2 41 Wetwell	Heavy rainfall in the area resulted in high flows in the collection system.	N/A 11,520	N/A ✓ 4 ✓	Construction Completed	BA	12 Months
6/25/04	961 E FORD VALLEY ROAD 1210 E MOODY AVENUE	KUW	Knob Creek South Knoxville	41 VVetwein 40 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.	1080	4 v 2 √	Construction Completed	N/A N/A	N/A N/A
6/25/04	436 MARYVILLE PIKE	KUW	South Knoxville	39 MH 29-2 & 30	Heavy rainfall in the area resulted in high flows in the collection system.	867	 4 ✓		BA	12 Months
6/27/04	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	240	4 ✓ 4 ✓		N/A	N/A N/A
7/27/04 9/10/04	1210 E MOODY AVENUE 409 N BELLEMEADE AVENUE	KUW	South Knoxville Third Creek	40 MH 39 28 MH 3-53	Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by grease.	1440 180	4 ✓ 1 ✓	Concernence of the second seco	N/A BA/Grease Control	1 Month
9/17/04	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	31,680	22 🗸		N/A	N/A
9/20/04	4713 OLD BROADWAY	KUW	First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system. WWTP/There was a mechanical failure of a hydraulic system that resulted in a temporary	561	5 ✓	Construction Completed	BA	12 Months
9/22/04	1500 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	influent gate closure.	102,483	0.5	Future Construction Planned	Repair Completed	N/A
9/24/04	409 N BELLEMEADE AVENUE	KUW	Third Creek	28 MH 3-53	Heavy rainfall in the area resulted in high flows in the collection system.	75	1.25 🗸	Construction Completed	BA	1 Month
10/19/04 11/24/04	409 N BELLEMEADE AVENUE 4811 BEVERLY RD	KUW KUW	Third Creek First Creek	28 Underground Flow 2 MH 39-44 & 39-4	The sewer main was flushed to remove the blockage caused by grease. Heavy rainfall in the area resulted in high flows in the collection system.	2805 9360	27 ✓ 8 ✓		BA/Grease Control BA	1 Month 12 Months
11/24/04	1500 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1	Heavy influent flows caused a momentary automated gate closure.	250	-	Future Construction Planned	N/A	N/A
11/24/04	436 MARYVILLE PIKE	KUW	South Knoxville	39 MH 29-2 & 30	Heavy rainfall in the area resulted in high flows in the collection system.	7200	6 ✓	Construction Completed	BA	12 Months
11/24/04 11/24/04	600 N GALLAHER VIEW ROAD 4713 OLD BROADWAY	FC KUW	Fourth Creek First Creek	32A MH 77 7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	6480 2040	12 ✓ 11.3 ✓		N/A BA	N/A 12 Months
	1216 WATERCRESS DRIVE				Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by				BA/Grease Control	6 Months
11/24/04 11/30/04	1216 5246 BENT RIVER BOULEVARD	KUW FC	First Creek Fourth Creek	7 MH 29-9 43 Residential Grinder Pump	grease. There was a mechanical failure in the residential grinder pump.	3960 5	8.25	Future Construction Planned N/A		N/A
11/30/04	4144 OAKLAND DRIVE	KUW	First Creek	2 MH 39-4	Heavy rainfall in the area resulted in high flows in the collection system.	5 1080	3 🗸		Repair Completed BA	N/A 12 Months
12/1/04	436 MARYVILLE PIKE	KUW	South Knoxville	39 MH 30	Heavy rainfall in the area resulted in high flows in the collection system.	540	2 🗸	Construction Completed	BA	12 Months
12/1/04	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A MH 77 7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	20,160	14 ✓ 12 ✓	Concardoacin Completed	N/A BA	N/A 12 Months
12/1/04 12/7/04	4713 OLD BROADWAY 436 MARYVILLE PIKE	KUW KUW	First Creek South Knoxville	7 MH 2 39 MH 30	Heavy rainfall in the area resulted in high flows in the collection system.	37,400 65	12 ✓ 2 ✓		BA	12 Months 12 Months
12/7/04	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	390,240	24 🗸	Construction Completed	N/A	N/A
12/7/04	4144 OAKLAND DRIVE	KUW	First Creek	2 MH 39-4 & 39-44	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.	2000	2.75 🗸		BA	12 Months
12/7/04 12/9/04	4713 OLD BROADWAY 1210 E MOODY AVENUE	KUW KUW	First Creek South Knoxville	7 MH 2 40 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.	54,720 85,170	9.5 ✓ 41.75 ✓		BA N/A	12 Months N/A
					WWTP/The aeration splitter box overflowed due to excessive wet weather flows through the			N/A	N/A	N/A
12/9/04 12/9/04	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD	FC FC	Fourth Creek Fourth Creek	37 Aeration Splitter Box 37 MH 1	WWTP. Heavy rainfall in the area resulted in high flows in the collection system.	29,123 113,590	2.67 1.83 ✓		N/A	N/A
12/9/04	436 MARYVILLE PIKE	KUW	South Knoxville	39 MH 29-2 & 30	Heavy rainfall in the area resulted in high flows in the collection system.	636,990	24 🗸		BA	12 Months
12/9/04	409 N BELLEMEADE AVENUE	KUW	Third Creek	28 MH 3-53	Heavy rainfall in the area resulted in high flows in the collection system.	2640	22 🗸		BA	1 Month
12/9/04 12/9/04	600 N GALLAHER VIEW ROAD 2004 NEYLAND DRIVE	FC KUW	Fourth Creek Third Creek	32A MH 77 35B MH 1	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	189,000 400,000	70 ✓ 2.63	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
12/9/04	4713 OLD BROADWAY	KUW	First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	1,008,120	2.63 62 ✓		BA	12 Months
12/9/04	304 SEVENTH AVENUE	KUW	First Creek	18 MH 15	Heavy rainfall in the area resulted in high flows in the collection system.	26,928	-	Future Construction Planned	BA	12 Months
12/11/04 12/11/04	2509 BROADWAY 4144 OAKLAND DRIVE	KUW	First Creek First Creek	17 MH 4-71 2 MH 39-4, 39-44 & 39-45	The sewer main was flushed to remove the blockage caused by grease and roots.	5220 60	29 1 ✓	N/A Construction Completed	BA/Grease Control BA	6 Months 12 Months
2/10/05	5001 MALONEYVILLE ROAD	EB	Eastbridge	2 MH 39-4, 39-44 & 39-45 109 MH 93-10	Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by debris.	1410	4 1		BA	6 Months
					Foaming in the #6 digester resulted in a spill. Standard operating procedures are addressing		0.5	Future Construction Planned	N/A	
2/15/05 2/21/05	2015 NEYLAND DRIVE 436 MARYVILLE PIKE	KUW KUW	Third Creek South Knoxville	35B #6 Digester 39 MH 30	the problem. Heavy rainfall in the area resulted in high flows in the collection system.	5500 5040	0.5 21 ✓		BA	N/A 12 Months
2/21/05	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	260000	20 1		N/A	N/A
2/22/05		1/1 DAV	Third Ore -1	25D #0 Diseaster	Foaming in the #6 digester resulted in a spill. Standard operating procedures are addressing	200	0.17	Future Construction Planned	N/A	N1/A
2/22/05	2015 NEYLAND DRIVE	KUW	Third Creek	35B #6 Digester	the problem.	200	0.17		-	N/A 005131

No. 10 No. 10<	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
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Constructure Constructure<	3/28/05		FC	Fourth Creek	37	MH 1		During a rain-induced high influent flow event, plant personnel took immediate actions to increase the rate of effluent discharge which allowed the influent gate to be reopened without		2	1	Future Construction Planned	N/A	N/A
AM AM AM AM AM <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>~</td> <td>Construction Completed</td> <td>BA</td> <td>12 Months</td>			-							-	~	Construction Completed	BA	12 Months
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No. No. <td>4/2/05</td> <td>600 N GALLAHER VIEW ROAD</td> <td>FC</td> <td>Fourth Creek</td> <td>32A</td> <td>MH 77</td> <td></td> <td></td> <td>7,200</td> <td>20</td> <td>~</td> <td>Construction Completed</td> <td>N/A</td> <td>N/A</td>	4/2/05	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77			7,200	20	~	Construction Completed	N/A	N/A
And Proceeding And Pro	4/2/05	2015 NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box			9,000	1.5		Future Construction Planned	N/A	N/A
Control Control <t< td=""><td></td><td></td><td></td><td></td><td></td><td>MH 47-1</td><td></td><td>Heavy rainfall in the area resulted in high flows in the collection system.</td><td></td><td></td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td></t<>						MH 47-1		Heavy rainfall in the area resulted in high flows in the collection system.				· · · · · · · · · · · · · · · · · · ·		
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Stable Link Stable Stable <td>9/23/06</td> <td>961 E FORD VALLEY ROAD</td> <td>KUW</td> <td>Knob Creek</td> <td>41</td> <td>14/-b</td> <td></td> <td></td> <td>9000</td> <td>5</td> <td></td> <td>Construction Completed</td> <td>N/A</td> <td>N/A</td>	9/23/06	961 E FORD VALLEY ROAD	KUW	Knob Creek	41	14/-b			9000	5		Construction Completed	N/A	N/A
LowImage departs and the set of the set												· · · · · · · · · · · · · · · · · · ·		
DimeDiskD	9/23/06	1210 E MOODY AVENUE	KUW	South Knoxville	40	MH 39		flows in the sewer mains.	8640	6	~	Construction Completed	N/A	N/A
Date Desc Desc Desc Profit Desc Desc <thdesc< th=""> Desc Desc <t< td=""><td>9/23/06</td><td>3741 FAKERS STREET</td><td>KUW</td><td>South Knoxville</td><td>40</td><td>MHS 47 & 47-103</td><td></td><td></td><td>10560</td><td>8</td><td></td><td>Construction Underway</td><td>N/A</td><td>N/A</td></t<></thdesc<>	9/23/06	3741 FAKERS STREET	KUW	South Knoxville	40	MHS 47 & 47-103			10560	8		Construction Underway	N/A	N/A
Into Deck Deck <thdeck< th=""> Deck Deck <thd< td=""><td>9/23/06</td><td></td><td>EC</td><td>Fourth Creek</td><td>37</td><td></td><td></td><td></td><td>489000</td><td>2.88</td><td></td><td>Future Construction Planned</td><td>N/A</td><td>N/A</td></thd<></thdeck<>	9/23/06		EC	Fourth Creek	37				489000	2.88		Future Construction Planned	N/A	N/A
Disk Sol Disk	9/23/06	1500 LYONS BEND ROAD	FC	Fourth Creek	37	MH 1			469000	2.00		Future Construction Planned	N/A	IN/A
VILD VILD Fund Fund Multiply Multiply <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>flows in the sewer mains.</td> <td>71904</td> <td></td> <td>~</td> <td>ī</td> <td></td> <td></td>								flows in the sewer mains.	71904		~	ī		
Unite Intellige Number of the large state and st	9/23/06	2015 NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box			50	0.008		Future Construction Planned	N/A	N/A
No. No. Fract Open No. Fract Open No. Fract Open No. Fract Open No.	9/23/06	7112 SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36			4320	8		Construction Completed	BA	6 Months
Particle Value Field Construction	0/22/06		KUW	First Crock	7	MH 45			260	2			PA	12 Months
Number Number Number Image	3/20/00		ROW	T list Creek	'	101145				2		Future Construction Planned	DA	12 1001013
Profect Profect <t< td=""><td>9/23/06</td><td>1216 WATERCRESS DRIVE</td><td>KUW</td><td>First Creek</td><td>7</td><td>MH 29-9</td><td></td><td></td><td>1440</td><td>6</td><td></td><td>Future Construction Planned</td><td>BA</td><td>6 Months</td></t<>	9/23/06	1216 WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9			1440	6		Future Construction Planned	BA	6 Months
Point Point <th< td=""><td>9/24/06</td><td>2907 GINNBROOKE LANE</td><td>KUW</td><td>Knob Creek</td><td>47</td><td>Watwoll</td><td></td><td></td><td>2250</td><td>0.75</td><td>~</td><td></td><td>N/A</td><td>N/A</td></th<>	9/24/06	2907 GINNBROOKE LANE	KUW	Knob Creek	47	Watwoll			2250	0.75	~		N/A	N/A
94/00 94/10 0.0000/W N/V File Oracle 7 0.000 0.011 0.0000 0.0000 0.0000	9/24/06	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A			Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high	3310000	5	~	Construction Completed	N/A	N/A
2/250 2/25 5/21/10/WED RNVE L0 Low Creek 20 MH 25 Addition control to the seer many state in the seer many sta	9/24/06	4713 OLD BROADWAY	киw	First Creek	7	MH 2		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high	197712	6	1	Construction Completed	BA	12 Months
9250 6410 NORTHSHORE DRIVE FC Fourt Cresk 37 MH 3 Randal amounts between 3.8% A 0.0% final arcses the same ranks. South is as user manus. South is a					20			Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high		6		•		
Partial Control Part Creat Part Creat <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>								Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high		-				
10208 2070 MNDERGR AVENUE KUN The Creats 23 MM 103 MM 103 Heary statulation to assess statulation in the collection system. 500 5 -/ Feature Construction Planned BAA 8 Months 11/106 304 SEVENTH AVENUE KUN Feature Construction Planned NA MA											.(
11/108 12/10 E MOODY AVENUE KUM Sauth Kavoille 40 MH 39 Heavy rainfall in the area resulted in bijt flows in the collection system. 720 4 4' Construction Planed NA NA 11/100 30d SEVENTH AVENUE KUW Third Creek 36 MH 15 Heavy rainfall in the area resulted in bijt flows in the collection system. 568 5 - Future Construction Planed BA Membra 12/10 2004 NEYLAND DRIVE KUW Third Creek 354 MH 15 Heavy rainfall in the area resulted in bijt flows in the collection system. 568 - Future Construction Planed NA NA 1/807 2004 NEYLAND DRIVE KUW Third Creek 358 MH 15 The sever main was flushed for emove the bickage caused by roots and was findenced by 1 700 1.5 - Future Construction Planed Repar Completed NA 3/307 2004 NEYLAND DRIVE KUW Third Creek 358 Rupture Grow flaws 1.000 1 - Future Construction Planed Repar Completed NA 3/307 2015 NEYLAND D										° .				
11/100 39/4 SEVENTH AVENUE KUW First Creek 18 MH 15 Heavy rainfal in the stare assisted to a hopp flow in the cohcall allure of hindens 558 5 -/ Future Construction Planned BA 6 Months 12/31/08 2004 NFLAND DRIVE KUW Thid Creek 38 MH 1 Partial Obstrate 16000 0.33 C Future Construction Planned NAA NAA 13/807 302 SEVENTH AVENUE KUW Thid Creek 38 MH 15 The sever main was fluched to free was sintheuced as the planned in the start as as the planned in the s										-				
12 200200VertNoNin Celex30Nin Celex30Nin CelexNin Celex <td></td> <td>~</td> <td></td> <td></td> <td></td>											~			
11007320SEVENTH AVENUEKUWFirst Creek18MH 15 (h)	12/31/06	2004 NEYLAND DRIVE	KUW	Third Creek	35A	MH 1		barscreens.	160000	0.33		Future Construction Planned	N/A	N/A
$3/307$ $2/04$ $VEV_{AND DRVE}$ KUW $Third Creek$ 358 $MH1$ $Check minutes.$ $1,170,00$ 1.5 \checkmark Pollate Construction PlantedRepair Completed NA $3/307$ 2015 $VEV_{AND DRVE}$ KUW $Third Creek$ 358 $Ruptured Force MainUpon restoration of electrical power, a sump pump.1,08001\checkmarkFuture Construction PlantedRepair CompleteNA67/70150VONS BEND ROADFCFourt Creek37Leaking Valve\bulletThere was a leak from a valve on a sludge line.250.58\bulletFuture Construction PlantedRepair CompleteNA7/23/075101MALONE-VUILE ROADEBEastirdge109MH 93-26The pump station barscreen was cleaned to remove the blockage caused by heavy debris.3,0001\checkmarkFuture Construction PlantedNA8/19/075101MALONE-VUILE ROADEBEastirdge109MH 93-26The pump station barscreen was cleaned to remove the blockage caused by heavy debris.3,0001\checkmarkVNA8/12/075101MALONE-VUILE ROADEBEastirdge109MH 8.The sever main was flushed to remove the blockage caused by heavy debris.1,4402\checkmarkNAAA8/12/075101MALONE-VUILE ROADKUWKnob Creek41Force MainThe sever main was flushed to remove the blockage caused by grease.51NAA$	1/8/07	302 SEVENTH AVENUE	кuw	First Creek	18	MH 15		heavy rainfall.		2		Future Construction Planned	ВА	6 Months
3/3/072015NEYLAND DRIVEKUWThird Creek35BRuptured Force Main10 (into the difch by a groundwater sump pump.)10,6001Inture Construction PlannedRepair CompleteN/A6/7/071500LYONS BEND ROADFCFouth Creek37Leaking ValveThe rup sa leak from a valve on a sludge line.250.60Future Construction PlannedRepair CompleteN/A7/23/075101MALONEYVILLE ROADEBEastbridge109MH 93-26The pump station barscreen was cleaned to remove the blockage caused by heavy debris.3,0001 \checkmark Future Construction PlannedN/AN/A8/19/075101MALONEYVILLE ROADEBEastbridge109MH 93-26The pump station barscreen was cleaned to remove the blockage caused by heavy debris.1,4402 \checkmark \checkmark Future Construction PlannedN/AN/A8/22/072701WLSON AVENUEKUWWilliams Creek19MH 93-26The pump station barscreen was flushed to remove the blockage caused by grease.5406N/AN/A8/22/072701WLSON AVENUEKUWKNob Creek14Force MainThe sever main was flushed to remove the blockage caused by grease.5406N/AN/A10/607120MORRELL ROADKUWKNob Creek41Force MainThe sever main was flushed to remove the blockage caused by grease.5406N/AN/A10/607120MORRELL ROADKUWKNob Creek41For	3/3/07	2004 NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		minutes.		1.5	~	Future Construction Planned	Repair Completed	N/A
7/23/07 5101 MALONEYVILLE ROAD EB Eastbridge 109 MH 93-26 The pump station barscreen was cleaned to remove the blockage caused by heavy debris. 3,000 1 ✓ Future Construction Planned N/A N/A 8/19/07 5101 MALONEYVILLE ROAD EB Eastbridge 109 MH 93-26 The pump station barscreen was cleaned to remove the blockage caused by heavy debris. 1,440 2 ✓ Future Construction Planned N/A N/A 8/20207 2701 WILSON AVENUE KUW Williams Creek 19 MH 8 The sewer main was flushed to remove the blockage caused by heavy debris. 4,400 6 N/A N/A 9/24/07 961 FORD VAILEY ROAD KUW Williams Creek 19 MH 8 The sewer main was flushed to remove the blockage caused by grease. 540 6 N/A N/A 9/24/07 120 MORRELL ROAD FC Fourth Creek 33 MH 53-8 The sewer main was flushed to remove the blockage caused by grease. 360 1 N/A B / Grease Control 6 Months 10//9/07 1338 OGLESBY ROAD LC Loves Creek 66			-					into the ditch by a groundwater sump pump.						
8/19/07 5101 MALONEYVILLE ROAD EB Eastbridge 109 MH 93-26 MH 9										0.58				
8/22/07 2701 WILSON AVENUE KUW Williams Creek 19 MH 8 The sever main was flushed to remove the blockage caused by grease. 540 6 MA B A / Grease Control 12 Months 9/24/07 961 E FORD VALLEY ROAD KUW Kub Creek 41 Force Main Grease Control 10/07 120 MORRELL ROAD FC Fourth Creek 33 MH 5.3 Glesser Roain Mas flushed to remove the blockage caused by grease. 360 1 MA B A / Grease Control 6 Months 10/07 120 MORRELL ROAD FC Fourth Creek 33 OH1538 Glesser Roain Mas flushed to remove the blockage caused by grease. 360 1 MA B A / Grease Control 6 Months 10/07/07 120 MORRELL ROAD FC Fourth Creek 64 Leaking Force Main There was a leak on a 8" force main. 1,800 2 ✓ Construction Completed N/A										1	-			
9/24/07 961 E FOR VALLEY ROAD KUW Knob Creek 41 Force Main Construction Failure - Force Main Dig-in 4,50 1.5 Construction Completed Repair Complete N/A 10/6/07 120 MORRELL ROAD FC Fourth Creek 33 MH 53-8 The sewer main was flushed to remove the blockage caused by grease. 360 1 N/A B A / Grease Control 6 Months 10/19/07 1338 OGLESBY ROAD LC Loves Creek 66 Leaking Force Main There was a leak on a 8" force main. 1,800 2 ✓ Construction Completed N/A N/A N/A N/A 10/27/07 1338 OGLESBY ROAD LC Loves Creek 66 Leaking Force Main There was a leak on a 8" force main. 1,125 3 ✓ Construction Completed N/A N/A N/A 12/28/07 4315 RUTLEDGE PIKE LC Loves Creek 20 Grinder Pump Failure The commercial grinder pump station was repaired. 8 1 N/A Repair Completed N/A										2	✓			
10/6/07 120 MORRELL ROAD FC Fourth Creek 33 MH 53-8 The sever main was flushed to remove the blockage caused by grease. 360 1 MA B A / Grease Control 6 Months 10/19/07 1338 OGLESBY ROAD LC Loves Creek 66 Leaking Force Main There was a leak on a 8" force main. 1.800 2 ✓ Construction Completed N/A N/A N/A N/A 10/27/07 1338 OGLESBY ROAD LC Loves Creek 66 Leaking Force Main There was a leak on a 8" force main. 1,125 3 ✓ Construction Completed N/A N/A N/A 10/27/07 4315 RUTLEDGE PIKE LC Loves Creek 20 Grinder Pump Failure The commercial grinder pump station was repaired. 8 1 N/A Repair Completed N/A										-				
10/27/07 1338 OGLESBY ROAD LC Loves Creek 66 Leaking Force Main There was a leak on a 8" force main. 1,125 3 ✓ Construction Completed N/A 12/28/07 4315 RUTLEDGE PIKE LC Loves Creek 20 Grinder Pump Failure The commercial grinder pump station was repaired. 8 1 N/A Repair Completed N/A	10/6/07	120 MORRELL ROAD	FC		33	MH 53-8		The sewer main was flushed to remove the blockage caused by grease.	360				B A / Grease Control	6 Months
12/28/07 4315 RUTLEDGE PIKE LC Loves Creek 20 Grinder Pump Failure N/A Repair Completed N/A										2				
										-	•			
								There was a leak on a 8" force main.	32,400	3	✓			

Dia Ling Ling <thling< th=""> Ling Ling L</thling<>	Date	Street # Street	Plant	Watershed	Basin Overflow Location	Private Property Cause of SSO/KUB Response Location	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
	1/5/08	2513 SABLE POINT LANE	LC	Loves Creek	105 MH 48-3		39,000	72			Repair Completed	
			-								BA	
Head And State	1/8/08	7912 LIVINGSTON DRIVE	FC	Fourth Creek	42 MH 28-1	· · ·	120	1				
Barry Constraint C						contractor.		1				
Dist Dist <thdist< th=""> Dist Dist <thd< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thd<></thdist<>												
International Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	1/30/08	2101 LAUREL AVENUE	KUW	Third Creek	35B MH 23-17			0.5		Construction Completed	N/A	N/A
Lab. Dial March Mar. Lab. Dial March Mar. Control Mar. Dial Mar.	2/4/08	516 N BEAMAN STREET	LC	Loves Creek	20 MH 61-8		180	1		Construction Underway	BA	6 Months
Dist Dist <thdist< th=""> Dist Dist <thd< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td>✓</td><td></td><td></td><td></td></thd<></thdist<>								-	✓			
Interna Interna International International <thinternational< th=""> International</thinternational<>			-					-				
Book Book <th< td=""><td></td><td>206 CREEK STONE LANE</td><td>EB</td><td>Eastbridge</td><td>72 Service Connection</td><td></td><td>180</td><td>6</td><td></td><td>N/A</td><td>Repair Completed</td><td>N/A</td></th<>		206 CREEK STONE LANE	EB	Eastbridge	72 Service Connection		180	6		N/A	Repair Completed	N/A
								0.083				
Jose of the stand of			-		3 MH 10-4		5			N/A	BA/Grease Control	6 Months
No. No. <td>2/21/08</td> <td>1105 PARK HILL CIRCLE</td> <td>FC</td> <td>Fourth Creek</td> <td>27 MH 49-87</td> <td></td> <td>145</td> <td>2</td> <td></td> <td></td> <td></td> <td></td>	2/21/08	1105 PARK HILL CIRCLE	FC	Fourth Creek	27 MH 49-87		145	2				
Number of the second						and due to vandalism.	5					
Desc Desc <thdesc< th=""> Desc Desc <thd< td=""><td></td><td></td><td></td><td></td><td></td><td>The sewer main was flushed to remove the blockage caused by debris.</td><td>1</td><td></td><td></td><td></td><td></td><td></td></thd<></thdesc<>						The sewer main was flushed to remove the blockage caused by debris.	1					
Sold Sold <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>												
Dest Dest <th< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td>Bit</td><td></td></th<>			-					•			Bit	
No.N	3/25/08	4710 MURPHY ROAD	KUW	First Creek	2 Wetwell		14			N/A	Repair Completed	N/A
Bol Bol <td></td>												
Disc Disc <thdisc< th=""> Disc Disc <thd< td=""><td>3/30/08</td><td>5315 BENT RIVER BOULEVARD</td><td>FC</td><td>Fourth Creek</td><td>43 Residential Grinder Pump</td><td>The electrical breaker on the residential grinder pump station was turned back on.</td><td>50</td><td>4</td><td></td><td>N/A</td><td>Repair Completed</td><td>N/A</td></thd<></thdisc<>	3/30/08	5315 BENT RIVER BOULEVARD	FC	Fourth Creek	43 Residential Grinder Pump	The electrical breaker on the residential grinder pump station was turned back on.	50	4		N/A	Repair Completed	N/A
Subs Subs <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>												
Dist Dist <thdis< th=""> Dist Dist D</thdis<>		1713 DONNINGHAM DRIVE			4 MH 22-211		35	3		N/A		
Dist Dist <thdist< th=""> Dist Dist <thd< 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></thd<></thdist<>								2				
Sector Hall MarkAle free And MarkAle free		2113 MARTHA BERRY DRIVE			4 MH 18-116						BA	6 Months
Desc. Desc. <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.33</td><td></td><td></td><td></td><td></td></th<>								0.33				
No. No. 201 and 1990 All State 10 1990	5/28/08	203 S CHILHOWEE DRIVE	LC	Loves Creek	20 MH 25	Heavy rainfall in the area resulted in high flows in the collection system.	16			Future Construction Planned		N/A
Sec and												
Beros Coll Coll <t< td=""><td></td><td></td><td></td><td></td><td>43 Residential Grinder Pump</td><td></td><td></td><td></td><td></td><td></td><td></td><td>N/A</td></t<>					43 Residential Grinder Pump							N/A
Mode Sold Bill NMA Mode/Sold A Mode Mode<							ů	1				
First Sol Kall Filded Sol Kall Filded Sol Kall Filded Sol	7/4/08	5241 BENT RIVER BOULEVARD	-				-					
Dest Dest <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td></th<>								-				
Dist Dist <th< td=""><td>//10/08</td><td>2904 MOUNT PLEASANT ROAD</td><td>KUW</td><td>Third Creek</td><td>50 Min 12-7</td><td></td><td>/40</td><td>4</td><td>1</td><td>N/A</td><td>ВА</td><td></td></th<>	//10/08	2904 MOUNT PLEASANT ROAD	KUW	Third Creek	50 Min 12-7		/40	4	1	N/A	ВА	
No. No. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>360</td> <td>1</td> <td>•</td> <td></td> <td></td> <td></td>							360	1	•			
Heat Solid Birth Yook Rodarsky Privat And Backet Grader Amp The construction grade law of the order grade law of the orde									~			
BASE Mill COLUMN ALL C. NA Sign: Distribution Max			-								Bit	
No. C/1 Control Control C/1 Control C/1 Control C/1 Control C/1 Control C/1 Control C/1 Control Contro Control Control <t< td=""><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			-									
Biol Biol Pick Control Pick Control Pick Control Name Assert mutual control Data Pick Control Pick Control Name Pick Con								3				
No. No. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>								-				
www. www. <th< td=""><td>9/6/08</td><td>301 E CHURCH AVENUE</td><td>KUW</td><td>First Creek</td><td>30 MH 10-11</td><td></td><td>1,438</td><td>8</td><td></td><td></td><td>BA</td><td></td></th<>	9/6/08	301 E CHURCH AVENUE	KUW	First Creek	30 MH 10-11		1,438	8			BA	
99000 633 ENT. MPRE BULLY AND F.G. Found Set A Register Companies No. 90000 643 CASCY DMC F.G. Found Dest 2 Mark 24 The sease machine and later of an improper your addited in general mumb. 100 4.4 Mark 24 Expension Expensintanting and antance ton min shared and antance to mace						replacement project.		.=				
9950 9951 GASE VOINTS FC Pault Data 72 141.02 142.02 12.02						- · · ·						
100208 46 MACPUIL PREC N.M. South Normal 90 A.M. NA 00208 1024 Add KARREN LANDACH F.R. South Normal 102.00 8.8 Constrained Compatibility NA 00208 1024 Add KARREN LANDACH K.W. South Normal South Normal South Normal South Normal BA BA <td< td=""><td></td><td>5915 CASEY DRIVE</td><td>FC</td><td></td><td>27 MH 22-8</td><td></td><td>375</td><td>-</td><td></td><td>N/A</td><td></td><td></td></td<>		5915 CASEY DRIVE	FC		27 MH 22-8		375	-		N/A		
P122 VCR8EL RAAD P1								1 8				
102.08 12.04 Model File								-				
102.00 4/20 Maxma Lawng, Jonit Proceeding a final network, and young a family network in the output a family net	10/22/08	1224 MORRELL ROAD	FC	Fourth Creek	36 MH 56	I ne sewer main was flushed to remove the blockage caused by debris and pipe sags.	60	1.25				
No.200 1-801 (MASHRE) Larger No.400 1 No.400 3 - Construction Consider No.4 No.4 117000 1008 EMERALD AVENUE NUM Fraid Construction Consider NA Repart Construction Consider NA 117000 1008 EMERALD AVENUE NUM Fraid Construction Consider NA Repart Construction Consider NA 117000 1008 EMERALD AVENUE NUM Fraid Construction Constr	10/24/08	405 MERCHANTS DRIVE	KUW	Second Creek	5 Leaking Joint	The sewer main was flushed to remove the blockage caused by grease during a rainfall event.	280	1		N/A	ВА	6 Months
114/98 3413 PLAY ROAD NUV Test Crest 20 MH 4 NA NA 119/09 1008 EDMRALD AVENUE NUV First Cresk 17 MH 4/71 The sever main was flushed to remove the blockage caused by rotes and debits. 120 1 ✓ NA Regat Completed NA 119/08 1008 EDMRALD AVENUE NUV First Cresk 17 MH 4/71 The sever main was flushed to remove the blockage caused by rotes and debits. 120 1 ✓ NA Regat Completed NA 119/08 2000 ICRLM CORT LANE L Less Cresk 8 BBJ and Streke Ap choice contaction formula the same flushed to remove the blockage caused by rotes. 10 1 NA Regat Completed NA 110/08 2000 ICRLM CORT LANE L Less Contaction Completed NA Regat Completed NA 112/200 3415 ICRLM CORT NPE ED ED Easking AP Aphae to the same flushed to remove the blockage caused by rotes. 100 NA Regat Completed NA </td <td>10/29/08</td> <td></td> <td>KIIW</td> <td>Third Creek</td> <td>12 Cleanout</td> <td>The sewer main was repaired and flushed to remove the blockage caused by a broken pipe</td> <td>1.500</td> <td>3</td> <td></td> <td>N/A</td> <td>Repair Completed</td> <td>N/A</td>	10/29/08		KIIW	Third Creek	12 Cleanout	The sewer main was repaired and flushed to remove the blockage caused by a broken pipe	1.500	3		N/A	Repair Completed	N/A
11080 1038 EMRALD AVENUE KW First Creek 17 MH 471 The sever man was fluided to encrow the blockage caused by nots and definis. 130 1 r/r NAA Regar Completed NA 111008 1200 MORELLEAGAD C. Loves Creek 6 BSU and Servics Lateral Aprivate contradict installing a gas man broot flowage have by nots and definis. 10 NA BAGescanding BA 117208 3000 KENLWORTH LAKE C. Loves Creek 6 BSU and Servics Lateral Aprivate contradict installing a gas man broot flowage have be service lateral. 19 1 NA Regar Completed NA 117208 8111 MARCH TARK Estimate 10 Lateral of the creek are an an broot flowage have not lateral are and the creek are an and the creek are an and the creek are and the creek	11/4/08	3413 PILKAY ROAD	KUW	Third Creek	28 MH 8-1	The sewer main was flushed to remove the blockage caused by grease and debris.	5,320				1013	
1100 120 DARRELL ROAD FC Fourth Creek 33 MH 53-8 The sever main was fluched to renove the blockage caused by grasse. 240 1 Image: Completed caused by grasse. 1 Ima			-			· · · · · · · · · · · · · · · · · · ·						
11/2/208 37/28 RODEFITS ROAD EB Easthridge 111 Leaking LP Lateral And exposed section of service lateral how pression as repaired. 7 0.017 Image: Construction Cons	11/9/08							1		N/A	BA/Grease Control	6 Months
11/2078 8111 MASINGTON PIKE EB Estabridge 11 Leaking Leaking 11 The was a leaking number should be an under sease and was fully and the low cyressure serving densigned sever main. 620 5 Construction Completed NA NA 12/208 3131 KinSSTON PIKE EB Easter day IA Construction Completed NA NA NA 12/208 1708 KinSSTON PIKE EB Easter day MI 16 161 The sever nain was a leaking to remove the blockage caused by roots. 32 4 NA NA BA 6 Months 12/208 1902 HIGH AND DRVE KW First Creek 4 MH 16 161 The sever main was fully direct remove the blockage caused by roots. 120 5 NA BA 6 Months 12/108 12/108 12/104 12/105 MI 16 162												
1708 1708 NUMBER TWO DRIVE EB Exaturing on the server main was furtion a pir clease value on a force main. 423 44 NA Repair Completed NA 120708 4200 LANDER DRIVE KLW Trice resk 7 MH 16-161 The server main was funde on tenower the blockage caused by roots. 1025 100 NA BA BA 6 Months 12008 12007 ROCERST DRIVE KLW Frict Creek 7 MH 16-126 The server main was fluide to renowe the blockage caused by roots. 1026 100 NA BA 6 Months 12008 12007 ROCERST DRIVE KLW South Knowlie 40 MH 16-26 The server main was fluide to renowe the blockage caused by roots. 10.0 4.0 NA BA 6 Months 120108 4144 OKLMAD DRIVE KLW South Knowlie 40 MH 16-38 BA MA MA 121108 4144 OKLMAD DRIVE KLW South Knowlie 40 MH 36 Heavy rainfall in terare resulted in high flows in the collecton system. 62	11/27/08	8111 WASHINGTON PIKE	EB	Eastbridge	111 Leaking LP Lateral	There was a leak on the low-pressure service lateral.		5		N/A	Repair Completed	N/A
127/08 4209 LANGUR DRIVE KW Tind Creek 7 MH 15-13 The sever main was flushed to remove the blockage caused by roots. 5.00 NA BA 6 Months 129/08 2007 RIGCEREST DRIVE KW First Creek 4 MH 18-126 The sever main was flushed to remove the blockage caused by roots. 5.61 5 MA 6 Months 121/08 2007 RIGCEREST DRIVE KW South Knoxville 40 MH 39 The sever main was flushed to remove the blockage caused by roots. 5.61 5 MA MA MA 121/08 KW South Knoxville 40 MH 39 The sever main was flushed to remove the blockage caused by roots. 5.61 5 MA MA MA 121/08 KIM South Knoxville 40 MH 39 The sever main was flushed to remove the blockage caused by roots. 50 Construction Completed BA/Gerase Control MA MA MA 121/108 414 OAKLAND DRIVE First Creek 36 MH 39 Heavy rainfalin the area resulted in high flows in the collection sy												
12/10/8 2007 RDGECREST DRIVE KUW First Creak 4 MH 19-126 The sever main line the sear esculed in high flows in the collection system. 561 5 MA BA 6 Months 12/10/8 12/10 KUW South Knowlie 40 MH 39 Heavy rainfall in the area resulted in high flows in the collection system. 1010 4 Construction Completed NA NA 12/10/8 12/10 KUW South Knowlie 40 MH 42.8 BBU The sever main setulated in high flows in the collection system. 150 2 ✓ Construction Completed NA NA 12/11/8 12/11/8 KUW First Creak 2 MH 39.4 Heavy rainfall in the area resulted in high flows in the collection system. 62 1 Construction Completed NA NA 12/11/8 12/11/8 KUW First Creak 7 MH 39.4 Heavy rainfall in the area resulted in high flows in the collection system. 62 1 Construction Completed BA 6 Months 12/11/8 12/11/8 KUW First Creak 7 MH 39.4 Heavy rainfall in the area resulted hin high flows in the collection system. <td< td=""><td>12/7/08</td><td>4209 LAMOUR DRIVE</td><td>KUW</td><td>Third Creek</td><td>28 MH 16-161</td><td>The sewer main was flushed to remove the blockage caused by roots.</td><td>30</td><td>2</td><td></td><td>N/A</td><td>BA</td><td>6 Months</td></td<>	12/7/08	4209 LAMOUR DRIVE	KUW	Third Creek	28 MH 16-161	The sewer main was flushed to remove the blockage caused by roots.	30	2		N/A	BA	6 Months
1210081210KOUVKUVSouth Knowille40MH 39Heavy rainfall in the area resulted in high flows in the collection system.1,1004Construction CompletedNANA12/108615SEVIER AVENUEKUWSouth Knowille40MH 143 & BBUThe sever main was flushed to remove the blockage caused by debits during heavy rainfall.6153Construction CompletedBA/Grease Control3Months12/1084144OKLAND DRIVEFC0Fourth Creek3MH 39.4Heavy rainfall in the area resulted in high flows in the collection system.601Construction CompletedBA/Grease Control3Months12/1081121WATERCRESS DRIVEKUWFitsCreek7MH 29.9Heavy rainfall in the area resulted in high flows in the collection system.621VConstruction CompletedBA646412/10812/108NATERCRESS DRIVEFCFourth Creek28MH 4.6The sever main was flushed to remove the blockage caused by obtis.3.601VNABA646412/1088112NORTHSHORE DRIVEFCFourth Creek28MH 4.6Heavy rainfall in the area resulted in high flows in the collection system.4.601VNABA646412/108802NORTHSHORE DRIVEFCFourth Creek28MH 4.6The sever main was flushed to remove the blockage caused by obtis.3.601VNABA64Mh 4.6												
12/10/086196196196196361961963619 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>3</td><td></td><td></td><td></td><td></td></th<>								3				
12/11/0814140ALAND DRIVEKUWFirst Creek2MH 39-4Heavy rainfall in the area resulted in high flows in the collection system.1502✓Construction CompletedNANA12/11/087112SHADYLAND DRIVEFCFOFourh Creek36MH 36Heavy rainfall in the area resulted in high flows in the collection system.621Construction CompletedBA6 Months12/11/0812/16WATERCRESS DRIVEKUWFirst Creek7MH 29-9Heavy rainfall in the area resulted in high flows in the collection system.651Future Construction PlanedBA6 Months12/13/088112AINSWORTH DRIVEFCFourth Creek38MH 446The sever main was flushed to remove the blockage caused by roots and debris.2,16012NANABA6 Months12/1086002S NORTHSHORE DRIVEFCFourth Creek38MH 42,43,44 &45The sever main was flushed to remove the blockage caused by roots and debris.2,16012NANANANA1/6/093410BORIGH DRIVEFCFourth Creek8MH 42,43,44 &45Heavy rainfall in the area resulted in high flows in the collection system.2,4008NANANA1/6/093410BORIGH DRIVEKUWFirst Creek8MHs 42,43,44 &45Heavy rainfall in the area resulted in high flows in the collection system.2,4008Construction CompletedNANA1/6/092530CECIL AVENU	12/10/08	615 SEVIER AVENUE	киw	South Knoxville	40 MH 1-43 & BBU	The sewer main was flushed to remove the blockage caused by debris during heavy rainfall.	615	3		Construction Completed	BA/Grease Control	3 Months
12/11/081216WATERCRESS DRIVEKUWFirst Creek7MH 29-9Heavy rainfall in the area resulted in high flows in the collection system.651Future Construction PlannedBA6 Months12/13/088112 / AINSWORTH DRIVEFCFourth Creek32BMH 4-46The sewer main was flushed to remove the blockage caused by obts.2,16012NAABA6 Months12/21/086902 S NORTHSHORE DRIVEFCFourth Creek36MH 12-62The sewer main was flushed to remove the blockage caused by debis.3601NAABA6 Months16/093410BORIGHT DRIVEKUWFirst Creek8MHs 42,43,44 &45Heavy rainfall in the area resulted in high flows in the collection system.4,8309.5✓Future Construction PlannedN/AN/A16/097661BUD HAWKINS ROADEBEastbridge113WetwellHeavy rainfall in the area resulted in high flows in the collection system.24,0008Construction CompletedN/AN/A1/6/092536CECIL AVENUEKUWFirst Creek18MH 30-11Heavy rainfall in the area resulted in high flows in the collection system.24,0008Construction CompletedN/AN/A1/6/09961FORD VALLEY ROADKUWKnob Creek41WetwellHeavy rainfall in the area resulted in high flows in the collection system.60,00010✓Construction CompletedN/AN/A1/6/09961FORD VALLEY ROADKUW	12/11/08	4144 OAKLAND DRIVE		First Creek	2 MH 39-4	Heavy rainfall in the area resulted in high flows in the collection system.		2	~			
12/13/08 8112 AINSWORTH DRIVE FC Fourth Creek 32B MH 4-46 The sever main was flushed to remove the blockage caused by roots and debris. 2,160 12 12 MA BA 6 Months 12/21/08 6902 S ORTHSHORE DRIVE FC Fourth Creek 36 MH 12-62 The sever main was flushed to remove the blockage caused by debris. 360 1 MS MAA BA 6 Months 11/0/9 3410 BORIGHT DRIVE KUW First Creek 8 MH 5424344 & 455 Heavy rainfall in the area resulted in high flows in the collection system. 4,830 9.5 GM Future Construction Ompleted N/A N/A 11/0/9 7661 BUD HAWKINS ROAD B Easthridge 13 Wetwell Heavy rainfall in the area resulted in high flows in the collection system. 4,575 9 ✓ Construction Completed BA/Grease Control 6 Months 11/09 961 FORD VALLEY ROAD KUW Know Creek 41 Wetwell Heavy rainfall in the area resulted in high flows in the collection system. 4,575 9 ✓ Construction Completed N/A N/A 11/0/09<	12/11/08	1216 WATERCRESS DRIVE	KUW		7 MH 29-9		65	1			BA	6 Months
1/6/09 3410 BORIGHT DRIVE KUW First Creek 8 MHs 42,43,44 & 45 Heavy rainfall in the area resulted in high flows in the collection system. 4,80 9.5 ✓ Future Construction Planned N/A N/A 1/6/09 7661 BUD HAWKINS ROAD EB Eastbridge 113 Wetwell Heavy rainfall in the area resulted in high flows in the collection system. 24,00 8 Construction Completed N/A N/A 1/6/09 2556 CECIL AVENUE KUW First Creek 18 MH 30-11 Heavy rainfall in the area resulted in high flows in the collection system. 24,00 8 Construction Completed N/A N/A 1/6/09 2556 CECIL AVENUE KUW First Creek 18 MH 30-11 Heavy rainfall in the area resulted in high flows in the collection system. 60,00 10 ✓ Construction Completed N/A N/A 1/6/09 961 FORD VALLEY ROAD KUW Koo Creek 41 Wetwell Heavy rainfall in the area resulted in high flows in the collection system. 7.0 0 ✓ Construction Completed N/A N/A 1/6/09 1210		8112 AINSWORTH DRIVE		Fourth Creek		The sewer main was flushed to remove the blockage caused by roots and debris.				N/A		
1/6/09 253c CECIL AVENUE KUW First Creek 18 MH 30-11 Heavy rainfall in the area resulted in high flows in the collection system. 4,575 9 ✓ Construction Completed BA/Grease Control 6 Months 1/6/09 961 FORD VALLEY ROAD KUW Knob Creek 41 Wetwell Heavy rainfall in the area resulted in high flows in the collection system. 60,000 10 ✓ Construction Completed N/A N/A 1/6/09 121 MOODY AVENUE KUW South Knoxville 40 MH 39 Heavy rainfall in the area resulted in high flows in the collection system. 7,400 14.5 ✓ Construction Completed N/A N/A 1/6/09 5011 KIW South Knoxville 40 MH 39 Heavy rainfall in the area resulted in high flows in the collection system. 7,400 14.5 ✓ Construction Completed N/A N/A 1/6/09 5011 KIW Toirt Creak 34 MH 58 Heavy rainfall in the area resulted in high flows in the collection system. 7,600 14 Extraction Completed N/A N/A		3410 BORIGHT DRIVE	-			Heavy rainfall in the area resulted in high flows in the collection system.		•	✓			
1/6/09 961 E FORD VALLEY ROAD KUW Knob Creek 41 Wetwell Heavy rainfall in the area resulted in high flows in the collection system. 60,000 10 ✓ Construction Completed N/A N/A 1/6/09 1210 E MOODY AVENUE KUW South Knowlile 40 MH 39 Heavy rainfall in the area resulted in high flows in the collection system. 7,400 14.5 ✓ Construction Depleted N/A N/A 1/6/09 5011 KIUW Kole Creak 34 MH 58 Heavy rainfall in the area resulted in high flows in the collection system. 7,600 14 Future Construction Depleted N/A N/A								8				
1/6/09 1210 E MOODY AVENUE KUW South Knoxville 40 MH 39 Heavy rainfall in the area resulted in high flows in the collection system. 7,400 14.5 ✓ Construction Completed N/A N/A 1/6/09 5011 KIW South Knoxville 40 MH 59 Heavy rainfall in the area resulted in high flows in the collection system. 7,400 14.5 ✓ Construction Completed N/A N/A 1/6/09 5011 KIW Construction Completed N/A MH 59 Heavy rainfall in the area resulted in high flows in the collection system. 5,600 11 Future Construction Pleased N/A N/A								•				
Trorus Suit kinds i on yrike KUW I hird Greek 34 MH 58 Heavy raintal in the area resulted in high flows in the collection system. 5,60 11 Future Construction Planned N/A	1/6/09	1210 E MOODY AVENUE	KUW	South Knoxville	40 MH 39		7,400	14.5	✓	Construction Completed	N/A	N/A
	1/6/09	5011 KINGSTON PIKE	KUW	I hird Creek	34 MH 58	Heavy rainfall in the area resulted in high flows in the collection system.	5,600	11		Future Construction Planned	N/A 00)5133 ^{N/A}

Date Street #	# Street	Plant	Watershed	Basin	Overflow Location	Private Property Cause of SSO/KUB Response Location	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
1/6/09 123	33 MARYVILLE PIKE	KUW	South Knoxville	39	MH 27-115	The sewer main was flushed to remove the blockage caused by debris and was influenced by heavy rainfall.	15,000	14.75	~	N/A	ВА	6 Months
	44 OAKLAND DRIVE		First Creek	2	MHs 39-4,39-44,39-45 & 2 Cleanouts	Heavy rainfall in the area resulted in high flows in the collection system.	22,475	11	 ✓ 	Construction Completed	N/A	N/A
	03 S CHILHOWEE DRIVE 12 SHADYLAND DRIVE	LC FC	Loves Creek Fourth Creek	20 36	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	N/A BA	N/A 6 Months
				-	10105 /	The sewer main was flushed to remove the blockage caused by roots and was influenced by		26		N/A	ВА	3 Months
1/7/09 70	01 CEDAR LANE	KUW	Second Creek	5	MH 35-4	heavy rainfall. Heavy rainfall in the area resulted in high flows in the collection system. The storage tank	37,450		1			
1/7/09 60	00 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77	reached capacity.	105,000	26	~	Construction Completed	N/A	N/A
1/7/09 531	15 SHANNONDALE ROAD	кuw	First Creek	1	MH 36	The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall.	5,040	14		N/A	BA	3 Months
	07 ROWAN ROAD 10 CLINCH AVENUE		Second Creek Second Creek	5 23	MH 17-47 Undesignated MH	The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by roots.	1,080 75	2		N/A N/A	BA BA	3 Months 6 Months
	05 DULANEY WAY		Fourth Creek	36	MH 12-86	The sever main was flushed to remove the blockage caused by roots.	1,780	3.5		N/A N/A	BA	6 months
	27 MASCOT ROAD	EB	Eastbridge	114	Leaking ARV	There was a leak from air-release valve on a high-pressure force main. The sewer main was flushed to remove the blockage caused by debris.	75	1		N/A	Repair Completed	N/A
	01 E FIFTH AVENUE 60 WESTLAND DRIVE	KUW FC	First Creek Fourth Creek	24 42	MH 29-2 Leaking ARV	There was a leak from air-release valve on a high-pressure force main.	765 225	1.5 1	~	N/A Construction Completed	BA N/A	12 Months N/A
	53 CLUSTER AVENUE	LC	Loves Creek	6	MH 29-161	The sewer main was flushed to remove the blockage caused by roots.	5	4		N/A	BA	6 Months
2/13/09 471	12 MOSS DRIVE	KUW	Third Creek	13	Lateral Cleanout	The sewer main was flushed to remove the blockage caused by grease and debris.	750	1	~	N/A	BA/Grease Control	3 Months
	00 WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1	There was an electrical surge and power outage at the pump station during a rainfall event.	190	0.25		Construction Completed	N/A	N/A
	17 SIXTEENTH AVENUE 34 JACKSBORO PIKE	KUW	Second Creek First Creek	23	MH 21-33 Broken Pipe	The sewer main was flushed to remove the blockage caused by grease. There was a pipe separation at a temporary connection to the sewer main.	255 960	1 8		N/A N/A	BA/Grease Control Repair Completed	6 Months N/A
3/2/09 510	01 MALONEYVILLE ROAD	EB	Eastbridge	109	MH 93-10	The sewer main was flushed to remove the blockage caused by debris.	360	2		N/A	BA/Grease Control	1 Month
	12 MOSS DRIVE 51 INGERSOLL AVENUE	KUW	Third Creek South Knoxville	13 39	MH 43 and Lateral Cleanout MH 4-13	The sewer main was flushed to remove the blockage caused by grease and roots. The sewer main was flushed to remove the blockage caused by grease and roots.	250 405	0.5	~	N/A N/A	BA/Grease Control BA/Grease Control	3 Months 6 months
3/7/09 152	27 WILSON ROAD	KUW	Second Creek	10	Lateral Cleanout	The sewer main was flushed to remove the blockage caused by debris.	95	3		N/A	BA	6 Months
	00 OGLEWOOD AVENUE 25 GREENWAY DRIVE	KUW	First Creek First Creek	16 2	Lateral Cleanout and BBU Private Sewer Connection	The sewer main was flushed to remove the blockage caused by debris. There was an unconnected private sewer main.	13 Unknown	0.5 Unknown		N/A Future Construction Planned	BA N/A	6 Months N/A
3/26/09 602	24 BROOKVALE LANE	FC	Fourth Creek	33	MH 15	Heavy rainfall in the area resulted in high flows in the collection system.	90	1		Future Construction Planned	N/A	N/A
	25 ROSEWOOD ROAD 48 FRATERNITY PARK DRIVE	LC KUW	Loves Creek Third Creek	105 35B	Commercial Grinder Pump and BBU Patio and BBU	There was a mechanical failure of the commercial grinder pump. The capacity of the sewer main was exceeded when a swimming pool was drained.	5 650	1.5 2.25		N/A N/A	Repair Completed Repair Completed	N/A N/A
4/15/09 81	11 EDWARDS DRIVE	KUW	Knob Creek	41	MH 107	The sewer main was flushed to remove the blockage caused by grease.	60	1		N/A	BA/Grease Control	6 months
	32 LYONS VIEW PIKE 01 LAKE AVENUE	KUW KUW	Third Creek Third Creek	34 35B	Residential Grinder Pump Lateral Cleanout	There was an electrical failure of the commercial grinder pump. The broken sewer main was repaired and the partial blockage was flushed.	510 710	6.5 2.25		N/A N/A	Repair Completed	N/A N/A
	10 MURPHY ROAD	KUW	First Creek	2	Wetwell	There was a mechanical failure of the commercial grinder pump.	100	2.25		N/A N/A	Repair Completed Repair Completed	N/A N/A
	19 MCCAMPBELL LANE	KUW	First Creek	2	MH 43-64	The sewer main was flushed to remove the blockage caused by construction debris.	270	1.5		N/A	N/A	N/A
	05 CLINCH AVENUE	KUW	Third Creek South Knoxville	35B 40	MH 23-27 MH 39	The broken sewer main was repaired and the partial blockage was flushed. Heavy rainfall in the area resulted in high flows in the collection system.	180 540	1 1.5	~	N/A Construction Completed	Repair Completed N/A	N/A N/A
5/10/09 356	60 TALAHI DRIVE	KUW	Third Creek	38	Lateral Cleanout	The sewer main was flushed to remove the blockage caused by debris.	140	1		N/A	BA	12 Months
	33 MARYVILLE PIKE 00 MIDDLEBROOK PIKE	KUW KUW	South Knoxville Third Creek	39 29	MH 27-115 MH 38	The sewer main was flushed to remove the blockage caused by construction debris. The sewer main was flushed to remove the blockage caused by grease.	22 162	1	~	N/A N/A	BA	6 Months 3 Months
	11 DAVANNA STREET	KUW	Second Creek	15	MH 8	Heavy rainfall in the area resulted in high flows in the collection system.	3,990	4	~	Construction Completed	BA/Grease Control N/A	N/A
	01 FERNBANK ROAD	LC	Loves Creek	105	Lateral Cleanout	The sewer main was flushed to remove the blockage caused by grease.	44	4		N/A	BA/Grease Control	6 Months
	00 ROBERTS ROAD 35 FARRAGUT AVENUE	EB KUW	Eastbridge First Creek	113 16	Residential Grinder Pump MH 24-45	There was an electrical failure of the commercial grinder pump. The sewer main was flushed to remove the blockage caused by debris.	30 54	1 0.5		N/A N/A	Repair Completed N/A	N/A N/A
6/15/09 90	00 GERTRUDE AVENUE	KUW	South Knoxville	40	MH 3-70	The sewer main was flushed to remove the blockage caused by roots and debris.	60	0.5		N/A	BA	6 Months
	10 E MOODY AVENUE	KUW	South Knoxville Third Creek	40 35B	MH 39 MH 23-5	Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by construction debris.	51,771 5.491	3	~	Construction Completed N/A	N/A Repair Completed	N/A N/A
	25 TILLERY DRIVE	KUW	Second Creek	10	Lateral Cleanout	The sewer main was flushed to remove the blockage caused by grease.	150	1		N/A	BA/Grease Control	3 Months
	52 DANDRIDGE AVENUE 05 CLINCH AVENUE	KUW	Williams Creek	25	MH 4-103 and Lateral Cleanout MH 39	The sewer main was flushed to remove the blockage caused by grease. There was a process failure of a construction bypass pump.	344	1		N/A N/A	BA/Grease Control	12 Months
6/26/09 230	JS CLINCH AVENUE	KUW	Third Creek	35B	MH 39	There was a process failure of a construction bypass pump.	2,328	0.0166			Repair Completed	N/A
		KUW	Third Creek	21	MH 27-6	The sewer main was flushed to remove the blockage caused by roots, grease and debris.	153	1.5		N/A	BA/Grease Control	3 Months
	04 WOODS CREEK ROAD 10 E MOODY AVENUE	LC KUW	Loves Creek South Knoxville	105 40	Residential Grinder Pump MH 39	There was a mechanical failure of the residential grinder pump. Rainfall in the area produced I & I and high flows in sewer mains.	50 254	1	~	N/A Construction Completed	Repair Completed N/A	N/A N/A
						The sewer main was flushed to remove th blockage caused by roots and influenced by heavy		1		N/A	BA	3 Months
	05 CORTETLAND DRIVE 60 WESTLAND DRIVE		Fourth Creek Fourth Creek	32B 42	Lateral Cleanout Air Release Valve	raintall. There was a leaking air release valve that resulted in a SSO.	9 37	1	~	Construction Completed	N/A	N/A
	12 BENT RIVER BOULEVARD		Fourth Creek	43	Residential Grinder Pump	There was a mechanical failure of the residential grinder pump.	741	504 Intermittently		N/A	Repair Completed	N/A
	36 CHUKAR ROAD 04 HIGHLAND DRIVE	FC KUW	Fourth Creek First Creek	32A 4	Bypass System MH 11-21	There was a failure of a construction bypass system. The sewer main was flushed to remove the blockage caused by roots.	12 344	0.25		N/A	Repair Completed BA	N/A 3 Months
	10 E MOODY AVENUE		South Knoxville	4	MH 11-21 MH 39	Rainfall in the area produced I & I and high flows in sewer mains.	180	1	~	N/A Construction Completed	N/A	N/A
	10 E MOODY AVENUE		South Knoxville	-	MH 40	Rainfall in the area produced I & I and high flows in sewer mains.	40	0.5	✓	Construction Completed	N/A	N/A
	41 EAKERS STREET 02 MILLERTOWN PIKE	KUW LC	South Knoxville Loves Creek	40 6	MH 47 Lateral	Rainfall in the area produced I & I and high flows in sewer mains. The lateral was damaged during installation of gas main.	224 137	0.5 72 Intermittently	✓	Construction Underway N/A	N/A Repair Completed	N/A N/A
8/12/09 574	45 SANDIS LANE	LC	Loves Creek	20	Force Main	The force main was damaged during installation of an electric pole.	5,240	1		N/A	Repair Completed	N/A
8/12/09 60	08 VAN STREET	KUW	Second Creek	23	MH 28-14, 28-1, & 28 and Subsurface	The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the partial blockage caused by grease and broken	unknown	unknown		Future Construction Planned	N/A	N/A
8/17/09 11	19 W GLENWOOD AVENUE	KUW	First Creek	17	Subsurface	sewer main.	900	8 Intermittently		Future Construction Planned	BA/Grease Control	6 Months
8/24/09 96	51 E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell	There was an electrical failure at the pump station. Electrical power was restored to the pump station.	100	0.17	~	Construction Completed	N/A	N/A
	E FORD VALLEY ROAD	NUW	NIUD GIEEK	41	** CIWCII	There was an electrical failure at the pump station. Electrical power was restored to the pump		0	~	·	N/A	N/A
		KUW	Knob Creek	41	Wetwell	station. Rainfall in the area produced I & I and high flows in sewer mains.	14,400	0		Construction Completed		
	11 DAVANNA STREET 61 E FORD VALLEY ROAD	KUW	Second Creek Knob Creek	15 41	MH 8 Wetwell	Rainfall in the area produced 1 & 1 and high flows in sewer mains. Rainfall in the area produced 1 & 1 and high flows in sewer mains.	350 6,000	1 2	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/26/09 121	10 E MOODY AVENUE	KUW	South Knoxville	40	MH 40	Rainfall in the area produced I & I and high flows in sewer mains.	1,780	3	✓	Construction Completed	N/A	N/A
	41 EAKERS STREET 00 LYONS BEND ROAD		South Knoxville Fourth Creek	40 37	MH 47 & 47-103 MH 1	Rainfall in the area produced I & I and high flows in sewer mains. There was an electrical failure at the plant. Electrical power was restored to the plant.	1,900 40,000	3 0.06	✓ ✓	Construction Underway Future Construction Planned	N/A N/A	N/A N/A
9/26/09 200	04 NEYLAND DRIVE	KUW	Second Creek	35A	MH 1	Rainfall in the area produced I & I and high flows in sewer mains.	250,000	0.06	~	Future Construction Planned	N/A N/A	N/A
	61 E FORD VALLEY ROAD 06 MYNDERSE AVENUE	KUW KUW	Knob Creek	41 22	Wetwell MH 18-3	There was heavy debris at the pump station and influenced by high rainfall. The sewer main was flushed to remove the blockage caused by grease.	1,800 1,000	1 1	✓ ✓	Construction Completed	N/A RA/Grosse Centrel	N/A 2 Months
	12 W CLIFF DRIVE		Third Creek Fourth Creek	32A	MH 18-3 MH 36-7	The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease and roots.	1,000 65	1	v	Future Construction Planned N/A	BA/Grease Control BA/Grease Control	3 Months 6 Months
	01 ASHEVILLE HIGHWAY		Loves Creek	20	MH 34-23	Heavy rainfall in the area resulted in high flows in the sewer system.	50	0.5		Future Construction Planned	N/A	N/A
10/16/09 710	00 ROTHERWOOD DRIVE	FC	Fourth Creek	36	MH 33	There was a process failure of a construction bypass pumping system. The process was restored	700	1.5	~	Construction Completed	N/A	N/A
10/20/09 85	50 TALLY HO DRIVE	KUW	South Knoxville	39	MH 62-21	The sewer main was flushed to remove the blockage caused by roots.	1,870	2		N/A	ВА	6 Months
	05 WESTLAND DRIVE 08 MIDDLE DRIVE	FC	Fourth Creek Second Creek	36 35A	Subsurface Subsurface	The sewer main was flushed to remove the blockage caused by roots. The sewer main was repaired to remove a collapsed section.	4,745 7,190	2 6.5		Construction Completed N/A	N/A Repair Completed	N/A N/A
	08 LANDVIEW DRIVE	LC	Loves Creek	26	MH 72-134	The sewer main was flushed to remove the blockage caused by roots.	260	1		N/A N/A	BA	6 Months
11/6/00		121.0.47	Social Correl	E	MH 16-67	There was a process failure of a construction bypass pumping system. The process was restored	205	1		N/A	N/A	N/A
	12 DRY GAP PIKE 16 SEVIERVILLE PIKE	KUW	Second Creek South Knoxville	5 41	MH 16-67 MH 107-2	The sewer main was flushed to remove the blockage caused by grease.	205 510	1		N/A	BA/Grease Control	6 months
11/0/09 011				22	MH 16-13	The sewer main was flushed to remove the blockage caused by roots.	310	1		N/A	BA	6 Months
11/12/09 212	26 TENNESSEE AVENUE 01 S CONCORD STREET	KUW	Third Creek Third Creek	29	MH 10 10	The sewer main was repaired to remove a collapsed section of sewer main.	60		1	N/A	BA/Grease Control	12 Months

NAME NAME <th< th=""><th>Date S</th><th>treet # Street</th><th>Plant</th><th>Watershed</th><th>Basin</th><th>Overflow Location</th><th>Private Property Cause of SSO/KUB Response Location</th><th>Volume (Gallons)</th><th>Duration (Hours)</th><th>Event occurred two or more times within 12 months</th><th>Long-Term Capital Project</th><th>Short-Term Controls Biockage Abatement (BA)</th><th>BA Schedule</th></th<>	Date S	treet # Street	Plant	Watershed	Basin	Overflow Location	Private Property Cause of SSO/KUB Response Location	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Biockage Abatement (BA)	BA Schedule
NOME Description No								-					
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The Discrete Constrained Part Part Part Part Part Part Part Part					10				48 Intermittently		N/A	Repair Completed	N/A
Nome Origination Ope Andread Street Stre							- · · · ·		6	✓			
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Inspace Impact of protocol (1990) Impact of protocol (1990) <thimpact (1990)<="" of="" protocol="" th=""> Impact of protocol (1</thimpact>					-								
bit bit <td>1/10/10</td> <td></td> <td>FC</td> <td>Fourth Creek</td> <td>51</td> <td>Residential Gillider Fullip</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>· · ·</td> <td>IN/A</td>	1/10/10		FC	Fourth Creek	51	Residential Gillider Fullip						· · ·	IN/A
Append Append<	1/24/10	2414 BERNHURST DRIVE	KUW	First Creek	4	MH 18-58, 18-54 & 18-53		5550	10		N/A	BA	6 Months
Constrained Constrained <thconstrained< th=""> <thconstrained< th=""></thconstrained<></thconstrained<>							The sewer main was flushed to remove the blockage caused by roots and influenced by heavy	1000			N//A	DA.	C Mantha
Line Description Description <thdescription< th=""> <thde< td=""><td></td><td></td><td>KUW</td><td>Williams Creek</td><td></td><td></td><td>550</td><td>1000</td><td>1</td><td></td><td>N/A</td><td>ВА</td><td>6 Months</td></thde<></thdescription<>			KUW	Williams Creek			550	1000	1		N/A	ВА	6 Months
Description Display description					-		. 2		-	~			
NormN	1/24/10	1500 LYONS BEND ROAD	FC	Fourth Creek	37	MH 1 & MLSS Wetwell	Rainfail in the area produced I & I and high flows in sewer mains.	74000	1.62		Future Construction Planned	N/A	N/A
Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	1/24/10	5760 SANDIS LANE	10	Loves Creek	20	Influent Structure	There was a temporary electrical power failure at the WWTP during a high rainfall event.	190000	0.75		N/A	N/A	N/A
International Internat					-			90	3		Future Construction Planned	BA	6 Months
No. No. <td>1/25/10</td> <td>6621 CLINTON HIGHWAY</td> <td>KUW</td> <td>Third Creek</td> <td>50</td> <td>Air Release Valve</td> <td>The air release valve malfunctioned resulting in an SSO.</td> <td></td> <td>2</td> <td></td> <td>N/A</td> <td>Repair Completed</td> <td>N/A</td>	1/25/10	6621 CLINTON HIGHWAY	KUW	Third Creek	50	Air Release Valve	The air release valve malfunctioned resulting in an SSO.		2		N/A	Repair Completed	N/A
Control Display Strategy Display Strategy <thdisplay strategy<="" th=""></thdisplay>			KUW	Second Creek	15			Unknown	Unknown	✓	Construction Completed		N/A
Deck Open State State State Deck Deck Open State State State Deck Deck <thdeck< th=""> <thdeck< th=""> Deck</thdeck<></thdeck<>					-								
State Marker State System Dis Distance										× 1	,		
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abt 1 x 30, 1974 x 95, 1993 x 30, 1974 x 95,					-					ļ			
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bb/s 533 533 533 533 534 534 535 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>The sewer main was flushed to remove the blockage caused by grease and roots.</td> <td></td> <td>2</td> <td></td> <td></td> <td>BA/Grease Control</td> <td>6 Months</td>							The sewer main was flushed to remove the blockage caused by grease and roots.		2			BA/Grease Control	6 Months
db = bbc bbc d starM = bbc d star							The sewer main was flushed to remove the blockage caused by debris and influenced by	60	1.5		N/A	ВА	6 Months
Sole Apple Sole Apple A	2/5/10	2621 BRAGG STREET	KUW	Third Creek	22	MH 21-123			-				
Book Product State Andal Col Function State Andal Col State Andal Col State Andal Col State Andal State Andal <tbt>State Andal<td>2/5/10</td><td>2430 HIGHLAND DRIVE</td><td>кuw</td><td>First Creek</td><td>4</td><td>Lateral Cleanout</td><td></td><td>2290</td><td>1.5</td><td></td><td>N/A</td><td>BA</td><td>6 Months</td></tbt>	2/5/10	2430 HIGHLAND DRIVE	кuw	First Creek	4	Lateral Cleanout		2290	1.5		N/A	BA	6 Months
Process and Barby Loss Process And Construction Process					22			11500	8	✓	Future Construction Planned	BA	6 Months
Biol Biol Allow A							Rainfall in the area produced I & I and high flows in sewer mains.				Construction Completed		
Default Biol (Distribution Party) Control Sol Control Sol										~			
ABDE Sol Instruction largest ADD ADD ADD ADD ADD								4130	1.5				
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Number					6			•					
Ball Open Control	3///10	3403 VALLET VIEW DRIVE	KUW	FIISL GIEEK	0	WIH 9-80			1.5				
NO.00 Soft NO.000000000000000000000000000000000000					28		lateral was trimmed.		1				
NUMB Obs Obs <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Unknown</td> <td></td> <td></td> <td>1073</td> <td></td>									Unknown			1073	
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NUMB BBS GREEP/CONTROL FL Autro.Cont. Aut. Luc. Term 200 200 Edit UND 2000 No. Mode Status 2000 Sol.	3/18/10		FC	Fourth Creek	32A			20,825	168 Intermittently		N/A	BA	6 Months
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Add 0 Bits Add PC / LI STORMA FD Failable F2 Phose PrioreM000 B00 The seer rank was liked to move the stocked as each priore. B01 F3 ////////////////////////////////////	4/3/10								3				
EPT:00 SEG Bulk SNOD KM Test Core Main Based Test Status Test Status Based Test Status <	4/9/10	8630 ASHEVILLE HIGHWAY	EB	Eastbridge		Private Property/BBU	BBU The sewer main was flushed to remove the blockage caused by debris.	950	15			BA	
Partner Part Machine Mark Part Machine Mark Part Mark Partner P								-	-	~			
L11/10 L01 MAC L02 L02<	4/17/10	5105 BALL ROAD	KUW	Third Creek	49	Broken Force Main		1			N/A		
Auge Fit Function Fit Function Function<	4/17/10	5011 KINGSTON PIKE	FC	Fourth Creek	34	MH 58		290	1.4		Construction Completed	N/A	N/A
Above File Part of a part less state less								1320	1	1		Penair Completed	N/A
GOID GOI ARTICLET KUM Back of Leg Area Line Intervaluation GOID Control Back of Leg Area Back of Leg A	4/30/10	6712 DEANE HILL DRIVE	FC	Fourth Creek	36	MH 3-176		7320			IN A	Repair Completed	11/5
Sync Lissible [Sch [CCL ArXING KUW Find Cone 16 Mail of the ara produced 1 is and hyph frow in sever mains. 400 2.8 · Construction Completed NA NA Syn1 15010 MAIN STRETT KUW Saudh frouring 40 MAIN MAINN MAINNN MAINN <td>5/3/10</td> <td></td> <td>K1 I\A/</td> <td>Second Creek</td> <td>23</td> <td>MH 10-132</td> <td></td> <td>360</td> <td>2</td> <td></td> <td>N/A</td> <td>BA</td> <td>6 Months</td>	5/3/10		K1 I\A/	Second Creek	23	MH 10-132		360	2		N/A	BA	6 Months
59/10 1411 DAVIANUS STREET KUN Second Creek 15 Mail Bandial in the area produced 1 is and high fows in sever mains. 500 3 r Construction Completed NA NA 9/310 3/311 EXERS STREET KUN South Knowlle 40 M417 Randial in the area produced 1 is and high fows in sever mains. 450 2.5 r Construction Completed NA NA 9/310 3/311 EXERS STREET KUN South Knowlle 40 MA16 NA NA NA NA NA NA 9/310 3/311 EXERS STREET KUN Filts Cassed All Advantal Interare produced 1 is and high fows in sever mains. 460 1.5 NA South Knowlle All Advantal Interare produced 1 is and high fow in sever mains. 450 1.5 V NA NA NA NA South Knowlle All Advantal Interare produced 1 is and high fow in sever mains. 450 1.5 V								4200	2.25	✓	Construction Completed	BA	6 Months
Sys10 Sys10 <th< td=""><td></td><td>1411 DAVANNA STREET</td><td></td><td></td><td></td><td>MH 8</td><td>Rainfall in the area produced I & I and high flows in sewer mains.</td><td></td><td></td><td></td><td></td><td></td><td></td></th<>		1411 DAVANNA STREET				MH 8	Rainfall in the area produced I & I and high flows in sewer mains.						
5910 5910 JOSITON HULS ROAD LC Lows Ceek 20 M14 (J4 and BBU) BBU The SSORBU we chunch allulared thrump wher inclut allulared thrump hybrin inflatereent. 940 1.5 Cm NAM Repair Completed IA 12 Months 5910 5436 BEXT RVER RS DULEX/ARD FC Fourt Ceek 3 Memory the blockage caused by repase. 50 1 NA Repair Completed Months 5910 1401 CASSELL DRVE KUW Third Ceek 3 Lateral Chernond The sever main was fluible to monore the blockage caused by repase. 16 2 NA BA 6Months 5910 1401 CASSELL DRVE KUW Third Ceek 3 Manths The sever main was fluible to monore the blockage caused by denotes 50 1 4 NA BA 6									0				
State Description For Fourth Ores 4.3 Resident differing from processing and programs. 10 3 ✓ NA Resident differing NA 5/12/0 3082 [LADRA DRVE KUW Find Creak 3 Lateral Cleanout The sever main was flukted to remove the blockage caused by greass. 18 2 NA Bal/Greass Fourth BA 6 Months 5/19/10 3082 [LUDRA DRVE KUW Second Creek 1 MH 12/20 The sever main was flukted to remove the blockage caused by greass. 18 2 NA BA 6 Months 5/19/10 006 [STEWART STREET KUW Second Creek 10 MH 14-103 The sever main was flukted to remove the blockage caused by debt. 35 1 NA BA 6 Months 5/2010 1312 [ASSELL DRVE NUW Second Creek 10 MH 14-10 The sever main was flukted to remove the blockage caused by debt. 500 1 NA MA BA 6 Months 5/2010 1312 [ASSELL DRVE NUW Second Creek 10 MH 14-20 The se										×			
Shift on													
Image: bit									1	· · · · · · · · · · · · · · · · · · ·			
59101 906 STEWART STREET KUW Second Creek 33 MH 35-66 The sever main was fushed to remove the blockage caused by ords. 36 1 NA BA 6 Months 52010 4319 (ASTRUART STREET KUW Second Creek 33 MH 32-46 The sever main was fushed to remove the blockage caused by grease. 200 1 × NA BA 6 Months 61010 63310 (DGERTS ROAD EB Easthering 111 Broken from Main The sever main was fushed to remove the blockage caused by grease. 200 1 × NA Repart Completed NA 61910 5260 (CL ONULEVARD FC Fourth Creek 3 MH 42 The sever main was flushed to remove the blockage caused by roots 5.60 12 NA Repart Completed NA 62510 2911 (LERSEY VALENUE KUW First Creek 3 MH 42 The sever main was flushed to remove the blockage caused by roots 3.200 24 NA BA 6 Months 7/1710 415 (STREXET VALENUE KUW	5/16/10	3628 LUCINDA DRIVE	KUW	First Creek	3	Lateral Cleanout	The sewer main was flushed to remove the blockage caused by grease.	18	-		N/A	BA	6 Months
52010 410 HASTINGS LANE FC Fourth Creek 33 MH 32-48 The sever main was flushed to menve the blockage caused by roots. 200 1 V Fourth Construction Plane BA 6 Months 57210 1312 CASSEL LORIVE KUW Second H11 BA MH 14-101 The sever main was flushed to menve the blockage caused by roges. 200 1 V Future Construction Plane BA Months 6/18/10 Sessel Electrity RE BOULEVARD FE Future Construction Plane MI The sever main was flushed to menve the blockage caused by roges. 200 1 V NAA Repair Completed NA 67/20 Sessel ColLNAL CRCLE KUW First Coek 3 MH 13-3 V NA Mit 76 NA 67/201 3808 BLOUNT ACCRLE KUW South Know A Mit 73 Mit 74									1.5	×			
523/10 1312 CASSELL DRIVE KW Second Creek 10 MH 14-101 The server fine softward for more the blockage caused by grease. 200 1 ✓ Future Construction Planned BA 6 Months 61/01 0 5301 60580 FTS ROAD FC Fourth Creek 43 Residential Grinder Pump 11 3 ✓ NAA Repair Completed NA 6128/10 5560 FOLMAL CIRCLE KUW Frits Creek 3 MH1+32 The server rain was flushed to remove the blockage caused by grease and blockage caused by grease. 200 24 Construction Inderway BA 3 Months 7/15/10 2011 HGE HAND AKENE 8 MH 7-91 The sever main was flushed to remove the blockage caused by grease. 200 2 NA BA 6 Months 7/15/10 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td><u> </u></td> <td></td> <td></td> <td></td>									1	<u> </u>			
Bit //10 6310 ROBERTS ROAD EB Estantial 11 Broken Foros Main The Sox messuit of a boxen force main. 150 1 MA Repair Completed NA 61/2/10 State BERT RVRE ROULEVARD FO Fourh Creek 43 Residential Grinder Pump 11 3 MA Repair Completed NA 62/2/10 State KUW First Creek 3 MA1422 The sever main was flushed to remove the blockage caused by rease and debris. 5.600 12 NA BA 12 Months 612/01 2011 IERSETX AFENUE KUW Third Creek 2 MA14.5.0 The sever main was flushed to remove the blockage caused by reases and debris. 5.600 12 NA Repair Completed NA 7/1010 3083 W BLOWT AVENUE KUW Third Creek 8 Manth The sever main was flushed to remove the blockage caused by rease. 200 2 NA Reair Completed NA 7/11/10 4165 CRESET NEWER KUW Third Creek 8 Mi17.91 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>✓</td><td></td><td></td><td></td></td<>										✓			
B267/0 560 CULONIAL CIRCLE KUW First Creek 3 MH 14-2 The sever main was flushed to remove the blockage caused by grease and debris. 5.600 12 NA BA 12 Months 6/28/10 2911 JERSEY AVENUE KUW First Creek 29 MH 8-30 The sever main was flushed to remove the blockage caused by grease and debris. 3.200 24 Onstruction Underway BA 3 Months 7/16/10 3806 W BLOUNT AVENUE KUW South Knoxville 39 Broken Sever Lateral The sever main was flushed to remove the blockage caused by grease and debris. 3.00 24 Onstruction Underway Repair Completed NA 7/11/10 4455 FORESTAL DRIVE KUW Third Creek 8 MH 7-91 The sever main was flushed to remove the blockage caused by grease. 200 2 NA BA 6 Months 7/13/10 4505 CROS SVINUE KUW Third Creek 28 Alternation Anternation Anternat AnternatAnternation AnternationAnternation Anternation Anternati		6310 ROBERTS ROAD	EB	Eastbridge				150			N/A		N/A
B28/10 2911 JERSEY AVENUE KUW Third Creek 29 MH 8-30 The sever main was flushed to remove the blockage caused by roots. 3.200 24 Construction Underway BA 3 Months 7/5/10 3808 BLOUNT AVENUE KUW South Knoxville 39 Broken Sever Lateral The sever main was flushed to remove the blockage caused by grease area caused by roots and greate size. 1300 24 N/A BA 6 Months 7/11/10 415 FORESTAL DRIVE KUW Frist Creek 8 MH 7-31 The sever main was flushed to remove the blockage caused by grease. 1300 24 N/A Ba 6 Months 7/11/10 415 FORESTAL DRIVE KUW Frist Creek 8 Lateral Cleanout The sever main was flushed to remove the blockage caused by roots and grease. 160 1 N/A BA 6 Months 7/15/10 2201 HIGHLAND AVENUE KUW Third Creek 28 Lateral Cleanout The sever main was flushed to remove the blockage caused by roots and grease. 160 1 N/A 7/25/10 5303									v	~			
7/7/10 308 W BLOUNT AVENUEKUWSouth Knowille 39 Broken Sewer LateralThe sewer main was flushed to remove the blockage caused by grease and debris. 13000 24 NARepair CompletedNA $7/11/10$ 4405 CRSSTA DRIVEKUWFirst Creek 8 MH7-91The sewer main was flushed to remove the blockage caused by organse. 20 2 NABA 6 Months $7/13/10$ 4405 CRSSTA DRIVEKUWThird Creek 28 Lateral CleanoutThe sewer main was flushed to remove the blockage caused by organse. 200 2 NABA 6 Months $7/15/10$ 2201 HIGHLAND AVENUEKUWThird Creek 29 MH 9-29The sewer main was flushed to remove the blockage caused by debris. 100 1 NABA 6 Months $7/25/10$ 5363 BKIT RIVER BOULEVARDFCFourth Creek 43 Residential Grinder PumpThe sewer main was flushed to remove the blockage caused by debris. 100 1 NARepair CompletedNA $7/25/10$ 5363 CRSSWIND LANDING LANEEBNorthecek 43 Residential Grinder Pump 300 5 NARepair CompletedNA $7/25/10$ 5200 KUWSouth Knowille45MH 35-2The sewer main was flushed to remove the blockage caused by rots. 300 5 NABA 6 Months $7/26/10$ $7/26/10$ KUWSouth Knowille 45 MH 35-2The sewer main was flushed to remove the blockage										<u> </u>		BA	
7/11/10 415 FORESTAL DRIVE KUW First Creek 8 MH 7-91 The sever main was flushed to remove the blockage caused by grease. 200 2 NA BA 6 Months 7/13/10 4405 CROSBY DRIVE KUW Third Creek 28 Lateral Cleanout The sever main was flushed to remove the blockage caused by derise. 140 2 NA BA 6 Months 7/15/10 2201 HGHLAND AVENUE KUW Third Creek 28 Lateral Cleanout The sever main was flushed to remove the blockage caused by derise. 140 1 NA BA 6 Months 7/15/10 2201 HGHLAND AVENUE KUW Third Creek 43 Residential Grinder Pump 70 70 70 90 4 NA BA 10 NA 7/25/10 5363 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 70 70 8000 5 NA Repair Completed NA 7/26/10 720 Robit LANDING LAND LAND KUW South Knoxville 45 MH 9-2 MA MA Ma <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>+ +</td> <td></td> <td>Repair Completed</td> <td></td>										+ +		Repair Completed	
7/15/10 2201 HIGHLAND AVENUE KUW Third Creek 29 MH 9-29 The sever main was flushed to remove the blockage caused by debris. 100 1 N/A BA 12 Months 7/25/10 5363 ENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 200 4 N/A Repair Completed N/A 7/25/10 8530 EXTR RIVER BOULEVARD EB Northeast Knox 10 WetWell The sever main was flushed to remove the blockage caused by debris. 200 4 N/A Repair Completed N/A 7/28/10 8530 CROSWIND LANDING LANE EB Northeast Knox 10 WetWell The SSO was caused by a vacuump mentinuoton within the pump station. 3000 5 N/A Repair Completed N/A 7/29/10 720 WOODVIEW DRIVE KUW Second Creek 5 MH 3-2 The sever main was flushed to remove the blockage caused by rostsion. 20 1 N/A Bypass pump was repaired after it was was flushed to remove the blockage caused by rostsion. 20 1 N/A N/A N/A N/A 8/3/10 2636 MARY/ILLE PIKE<	7/11/10	415 FORESTAL DRIVE	KUW	First Creek	8	MH 7-91	The sewer main was flushed to remove the blockage caused by grease.	200	2		N/A	BA	6 Months
7/25/10 5363 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump The was a mechanical failure of the residential grinder pump. 200 4 NA Repair Completed NA 7/25/10 8530 CROSSWIND LANDING LANE EB Northeast Knox 10 WetWell The SSO was caused by a vacuum pump maffunction within the pump station. 3000 5 NA Repair Completed NA 7/29/10 7/20 WOODVIEW DRIVE KUW Second Creek 5 MH 35-2 The sewer main was flushed to remove the blockage caused by rostion. 20 1 NA Bypass pump was repaired after it was was was repaired after it was w										ļ			
7/28/10 8530 CROSSWIND LANDING LANE EB Northeast Knox 110 Wet Well The SSO was caused by a vacuum pum malfunction within the pump station. 3000 5 N/A Repair Completed N/A 7/29/10 720 WOODVIEW DRIVE KUW Second Creek 5 MH 35-2 The sewer main was flushed to remove the blockage caused by roots. 2 1 B/A B/A 6 Months 8/3/10 2616 MRRYVILE PIKE KUW South Knoxvile 45 MH 10-2 The SSO was caused by a failure of a construction bypass pumping system. 60 0.15 Bypass pump was repaired after it was was repaired										+			
7/29/107/20WOODVIEW DRIVEKUWSecond Creek5MH 35-2The sever main was flushed to remove the blockage caused by roots.21NA6 Months8/3/102636MARYVILE PIKEKUWSouth Knowile45MH 10-2The SSO was caused by failure of a construction bypass pumping system.600.150.15Bypass pump was repaired after it was vandalizedNA8/3/102641MARYVILE PIKEKUWKnob Creek45Residential Grinder Pump204NANA8/3/102641UD VALLEY ROADKUWSouth Knowile41MH 67-3The sever main was flushed to remove the blockage caused by debris.353NAblockage patement6 Months									5	<u> </u>			
8/3/10 2636 MARYVILLE PIKE NM South Knoxville 45 MH 10-2 The SSO was caused by a failure of a construction bypass pumping system. 60 0.15 NA Vandalized NA 8/3/10 2641 MARYVILLE PIKE KUW Knob Creek 45 Residential Grinder Pump 0 4 A Pump was repaired NA 8/9/10 6401 OLD VALLEY ROAD KUW South Knoxville 41 MH 67-3 The sewer main was flushed to remove the blockage caused by debris. 35 3 NA blockage abatement 6 Months									1			BA	6 Months
of 3710 2630 MARYVILLE PIKE Nor South Microsoft 45 Microsoft Microso	9/2/40		1/1 11.47	South Knowed	45	MU 10.2	The SSO was caused by a failure of a construction hypass number over	60	0.15		NA		NA
8/9/10 6401 OLD VALLEY ROAD KUW South Knoxville 41 MH 67-3 The sever main was flushed to remove the blockage caused by debris. 35 3 NA blockage abatement 6 Months					-					+			
	8/9/10	6401 OLD VALLEY ROAD	KUW	South Knoxville	41	MH 67-3	The sewer main was flushed to remove the blockage caused by debris.	35	3		NA		6 Months
	8/12/10	4351 FALCONITE WAY	KUW	Third Creek	13	MH 10	The SSO was caused by a broken pipe.	7500	24		N/A		

Date	Street # Street	Plan	nt Watershe	d Basin	Overflow Location	Private Property Cause of SSO/KUB Response Location	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
8/16/10	1104 MCCALLA AVENUE	KUV	V First Cree	k 24	MH 11-1	There was a partial blockage in the sewer main caused by a broken pipe and influenced by heavy rainfall.	1000	2		N/A	Repair Completed	N/A
8/16/10	2706 MYNDERSE AVENUE	KUV	V Third Cree	k 22	MH 18-3	The sewer main was flushed to remove the blockage caused by grease and influenced by heavy rainfall.	50	1	~	Future Construction Planned	ВА	6 Months
8/16/10	815 S CENTRAL STREET	KUV	V First Cree	k 30	MH 3-7	Rainfall in the area produced I & I and high flows in sewer mains.	250	0.5		Current 5-Yr Plan	N/A	N/A
8/26/10 8/27/10	800 BENNETT PLACE 1700 EVENING SHADE LANE	FC FC			Broken Gravity Main Broken Force Main	The sewer main was flushed to remove the blockage caused by debris. The SSO was caused by a broken force main.	7750 10	24	~	Construction Completed N/A	Repair Completed Repair Completed	N/A N/A
8/30/10	5307 BENT RIVER BOULEVARD	FC			Residential Grinder Pump	There was a mechanical failure of the residential grinder pump.	15	1	√	N/A	Repair Completed	N/A
9/6/10 9/11/10	8083 KINGSTON PIKE 1408 ADAIR DRIVE	FC KUV			MH 9-4 MH 26	The sewer main was damaged during a gas main installation. Rainfall in the area produced I & I and high flows in sewer mains.	24000 60	48 1		N/A Future Construction Planned	Repair Completed N/A	N/A N/A
9/11/10 9/12/10	1411 DAVANNA STREET 5915 NEUBERT SPRINGS ROAD	KUV	V Second Cre V Knob Cree		MH 8 Unnamed MH at Facility	Rainfall in the area produced I & I and high flows in sewer mains. The SSO was caused by temporary electrical power failure during high rainfall event.	1000 294000	1 3.5	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
						Their was a partial blockage in the sewer main caused by roots and influenced by heavy	5	1		Future Construction Planned	BA	12 Months
9/26/10 10/25/10	906 BATHURST ROAD 4509 PAPERMILL DRIVE	FC KUV			MH 4-23 MH 31	rainfall The sewer main was flushed to remove the blockage caused by debris.	500	0.5		N/A	BA	6 Months
11/1/10	5415 HOLSTON DRIVE	LC		ek 20	Broken Force Main	The SSO was caused by a broken force main.	170	1.5 2.5	✓	N/A	Repair Completed	N/A
11/17/10 11/30/10	5307 BENT RIVER BOULEVARD 3410 BORIGHT DRIVE	FC KUV			Residential Grinder Pump MHs 45, 44, 43, 42, 41, 40 and 39	Grinder pump failure. Rainfall in the area produced I & I and high flows in sewer mains.	10 12750	2.5 8	 ✓ 	N/A Future Construction Planned	Repair Completed BA	N/A 6 Months
11/30/10 11/30/10	2536 CECIL AVENUE 2541 FAIR DRIVE				MH 30-11 MH 20-2	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	17250 150	8	✓	Construction Completed Future Construction Planned	BA	6 Months 12 Months
11/30/10	1908 JEFFERSON AVENUE	KUV			Lateral Cleanout	Rainfall in the area produced I & I and high flows in sewer mains.	180	3	√	Future Construction Planned	N/A	N/A
11/30/10 12/1/10	2600 WOODSON DRIVE 5246 BENT RIVER BOULEVARD	KUV FC			MH 2-1 Residential Grinder Pump	Rainfall in the area produced I & I and high flows in sewer mains. Grinder pump failure.	2150 2	3	~	Construction Completed N/A	NA Repair Completed	NA N/A
12/1/10	1411 DAVANNA STREET	KUV	V Second Cre	ek 15	MH 8	Rainfall in the area produced I & I and high flows in sewer mains.	4700	3	✓	Construction Completed	N/A	N/A
12/1/10 12/1/10	3741 EAKERS STREET 1500 LYONS BEND ROAD	KUV FC			MH 47 MH 1	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	1500 1840000	3 11.5		Construction Underway Future Construction Planned	NA N/A	NA N/A
12/3/10	100 LEBANON STREEET	KUV	V Third Cree	k 34	Private Manhole	The SSO was caused by a broken manhole connection.	40	2		N/A	Repair Completed	N/A
12/3/10 12/13/10	1216 WATERCRESS DRIVE 5332 BENT RIVER BOULEVARD	KUV FC			MH 29-9 Residential Grinder Pump	Rainfall in the area produced I & I and high flows in sewer mains. Grinder pump failure.	1000 30	4		Future Construction Planned N/A	BA Repair Completed	6 Months N/A
12/26/10 12/31/10	1725 LOVES CREEK ROAD 2204 HIGHLAND DRIVE	LC			MH 48-3 Broken Sewer	The sewer main was flushed to remove the blockage caused by debris. The SSO was caused by a broken sewer main.	180 450	2		N/A N/A	BA Repair Completed	6 Months N/A
1/1/2011	1411 DAVANNA STREET	KUV			MH 8	Rainfall in the area produced I & I and high flows in sewer mains.	5,630	3	✓	Construction Completed	N/A	N/A N/A
1/1/2011 1/1/2011	5011 KINGSTON PIKE 1500 LYONS BEND ROAD	FC FC			MH 58 MH 1 & MLSS Wetwell	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	600 380,000	3 2.82	✓ ✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
1/7/2011	2526 E FIFTH AVENUE	KUV	V Williams Cr	eek 19	Lateral Cleanouts at 2522, 2524, 2526 & 2528 E. Fifth Avenue	Blockage - Grease	900	2		N/A	BA/Grease Control	12 Months
1/7/2011 1/8/2011	5915 NEUBERT SPRINGS ROAD 2726 WILSON AVENUE	KUV			Unnamed Manhole at Facility MH 8-1	Rainfall in the area produced I & I and high flows in sewer mains. Blockage - Grease	224,000 760	4.4	~	Future Construction Planned N/A	N/A BA/Grease Control	N/A 12 Months
1/12/2011	3922 NERVA ROAD	KUV	V Second Cre	ek 10	MH 17-78	Blockage - Grease	300	1		N/A	BA/Grease Control	6 Months
1/20/2011 1/24/2011	5405 GREEN VALLEY DRIVE 5926 ANTIGUA LANE	LC KUV			Air Release Valve MH 22-11	System Failure - Air Release Valve Failure System Failure - Offset Joint	20 500	0.5 5	~	Construction Completed N/A	N/A Repair Completed	N/A N/A
1/24/2011		KUV FC	V South Knox		MH 1-85	System Failure - Manhole Failure	10,000	5		N/A	Repair Completed	N/A
1/25/2011 1/26/2011	5235 BENT RIVER BOULEVARD 117 SIXTEENTH STREET	KUV			Broken Gravity Main MH 21-33	System Failure - Broken Force Main System Failure - Broken Gravity Main	10 700	1.5		N/A N/A	Repair Completed Repair Completed	N/A N/A
1/27/2011 1/31/2011	3914 ROBERTS ROAD 4216 VALENCIA ROAD	EB			Abandoned Air Release Valve MH 49-9	Construction Failure - Unconnected Lateral Blockage - Roots	375 65	2		N/A N/A	Repair Completed BA	N/A 6 Months
2/6/2011	1908 EDGEWOOD AVENUE	KUV	V First Cree	k 16	Water Meter Well	System Failure - Broken Gravity Main Construction Failure - A Failed Connection at a Temporary System was Repaired.	180	1		N/A	Repair Completed	N/A
2/15/2011 2/15/2011	3413 KINGSTON PIKE 6140 KIRBURY LANE	KUV FC			Temporary Sewer Main MH 65-19	Blockage - Roots	25 10	1		Construction Completed N/A	N/A BA	N/A 12 Month
2/15/2011	2236 MARTIN LUTHER KING JR DRIVE 5720 ASHEVILLE HIGHWAY	KUV LC			MH 6-154 MH 11-3	Blockage - Grease	30	1		N/A N/A	BA Bapair Completed	6 Months N/A
2/16/2011 2/16/2011	604 BEN HUR AVENUE	KUV	V Williams Cr	eek 25	Abandoned Lateral Cleanout	Blockage - Roots Blockage - Debris	2,300 500	1.5		N/A	Repair Completed BA	6 Months
2/16/2011 2/17/2011	512 FLENNWOOD WAY 850 TALLY HO DRIVE		V South Knox V South Knox		MH 61 MH 62-21	Blockage - Grease and Debris Blockage - Grease and Roots	3,200 150	3		N/A N/A	BA/Grease Control BA/Grease Control	6 Months 9 Months
2/23/2011	1932 OLD AMHERST ROAD	FC	Fourth Cre	ek 27	Lateral Cleanout	Blockage - Grease	3,000	4		Future Construction Planned	BA/Grease Control	12 Month
2/23/2011 2/24/2011	6505 VINTAGE DRIVE 1204 PICKWICK ROAD	LC			MH 48-38 Lateral Cleanout	Blockage - Debris Blockage - Grease	150 30	1		N/A N/A	BA BA/Grease Control	12 Months 12 Months
2/25/2011 2/28/2011	1124 DELAWARE AVENUE 3218 AVONDALE AVENUE	KUV			MH 21-53 MH 22-33, Broken Lateral & BBU at 3218 & 3220 Avondale Avenue	Blockage - Grease and Debris BBU Blockage - Grease, Influenced by heavy rainfall.	500 1,500	2		N/A N/A	BA/Grease Control BA	6 Months 12 Months
2/28/2011	2536 CECIL AVENUE	KUV	V First Cree	k 18	MH 30-11	Rainfall in the area produced I & I and high flows in sewer mains.	410,000	3	√	Construction Completed	N/A	N/A
2/28/2011 2/28/2011	2500 CEDAR LANE 1411 DAVANNA STREET	KUV	V First Cree V Second Cre		MH 22-13 MH 8	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	500 5,800,000	4	~	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
2/28/2011 2/28/2011	113 DRINNEN AVENUE		V South Knox V South Knox		MHs 28-26 & 28-27 MH 40-3	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	600 600	2		Future Construction Planned Construction Completed	N/A N/A	N/A N/A
2/28/2011	4014 HOLSTON HILLS ROAD	LC	Loves Cre	ek 26	MHs 72 &75	Rainfall in the area produced I & I and high flows in sewer mains.	295,000	3	✓	Future Construction Planned	N/A	N/A
2/28/2011 2/28/2011	1500 LYONS BEND ROAD 4800 MALONEYVILLE ROAD	FC EB	Fourth Cre Eastbridg	-	MH 1 Bar Screen	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	590,000 3,750	5.75 1.25	~	Future Construction Planned Future Construction Planned	N/A BA	N/A 3 months
2/28/2011	2640 MORGAN CIRCLE	KUV	V Third Cree	k 35B	MH 4-19	Rainfall in the area produced I & I and high flows in sewer mains.	1,500	3		Future Construction Planned	N/A	N/A
2/28/2011 2/28/2011	2004 NEYLAND DRIVE 923 OAKLETT DRIVE	KUV	V Second Cre V Second Cre	ek 5	MH 1 Wetwell	Rainfall in the area produced 1 & I and high flows in sewer mains. Rainfall in the area produced 1 & I and high flows in sewer mains.	360,000 9,000	0.5 1.5	✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
2/28/2011 2/28/2011	2008 RIVERSIDE DRIVE 815 S CENTRAL STREET		V Williams Cr	eek 25	MH 2 MH 3-7	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	720,000	4	~	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
2/28/2011	2102 WASHINGTON AVENUE	KUV	V First Cree	k 24	MH 25-114	Rainfall in the area produced I & I and high flows in sewer mains.	190,000	4		Future Construction Planned	N/A	N/A
2/28/2011 3/1/2011	3814 WOODLAKE DRIVE 3741 EAKERS STREET		V First Cree V South Knox		Lateral Cleanout MH 47	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	400 67,500	4 3	✓ ✓	Construction Completed Construction Underway	N/A N/A	N/A N/A
3/1/2011 3/1/2011	1521 FAIRMONT BOULEVARD 5205 HAYNES-STERCHI ROAD		V First Cree V Second Cre		Temporary Lateral Connection MH 35-4	Rainfall in the area produced I & I and high flows in sewer mains. Blockage - Debris, Influenced by heavy rainfall.	30 500	1		Future Construction Planned N/A	N/A BA	N/A 3 Months
3/1/2011	600 N GALLAHER VIEW ROAD	FC	Fourth Cre	ek 32A	MH 77	Rainfall in the area produced I & I and high flows in sewer mains.	24,000	2	✓	Future Construction Planned	N/A	N/A
3/1/2011 3/1/2011	1940 OLD AMHERST ROAD 2415 TECOMA DRIVE	FC KUV			MH 22-117 Lateral Cleanout	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	50 60	1 3		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
3/1/2011	411 W BAXTER AVENUE	KUV	V Second Cre	ek 23	MH 49	Rainfall in the area produced I & I and high flows in sewer mains.	800,000	4		Future Construction Planned	N/A	N/A
3/1/2011 3/2/2011	7927 W CLIFF DRIVE 781 BAGWELL LANE		Fourth Cre Loves Cre			Blockage - Debris, Influenced by heavy rainfall. Rainfall in the area produced I & I and high flows in sewer mains.	50 576,000	12		N/A Future Construction Planned	BA N/A	6 Months N/A
3/2/2011 3/2/2011	3011 E GOV JOHN SEVIER HIGHWAY 5508 GREEN VALLEY DRIVE	KUV LC			Wastewater Pumpin Facility Broken Pipe	Rainfall in the area produced I & I and high flows in sewer mains. System Failure - Broken Force Main	21,600 2,025	3	~	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/2/2011	2430 HIGHLAND DRIVE	KUV	V First Cree	k 4	Lateral Cleanout	Rainfall in the area produced I & I and high flows in sewer mains.	120	2		Future Construction Planned	N/A	N/A
3/2/2011 3/3/2011	4600 UPCHURCH ROAD 4105 CENTRAL AVENUE PIKE	KUV			MH 45 MH 17-8	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	100 100	2	~	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
3/3/2011	1216 WATERCRESS DRIVE	KUV	V First Cree	k 7	MH 29-9	Rainfall in the area produced I & I and high flows in sewer mains.	50	1	✓	Future Construction Planned	N/A	N/A
3/4/2011 3/6/2011	304 SEVENTH AVENUE 2536 CECIL AVENUE	KUV KUV			MH 15 MH 30-11	Rainfall in the area produced 1 & I and high flows in sewer mains. Rainfall in the area produced 1 & I and high flows in sewer mains.	200 1,500	1 3	✓ ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
3/7/2011 3/7/2011	4420 ALTA VISTA WAY 6540 CREEKHEAD DRIVE	KUV FC			Broken Gravity Main MH 49-4	Blockage - Debris, Influenced by Heavy Rainfall Blockage - Debris, Influenced by Heavy Rainfall	13,000 12,200	2		N/A N/A	BA	12 Months 12 Months
3/7/2011	243 GILBERT LANE	KUV	V South Knox	/ille 40	Lateral Cleanout	Blockage - Grease, Influenced by heavy rainfall.	5,000	2		N/A	BA/Grease Control	6 Months
3/9/2011 3/9/2011	2536 CECIL AVENUE 5405 GREEN VALLEY DRIVE	KUV LC			MH 30-11 Air Release Valve	Rainfall in the area produced I & I and high flows in sewer mains. System Failure - Air Release Valve Failure	98,000 150	8	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
3/9/2011	1500 LYONS BEND ROAD	FC	Fourth Cre	ek 37	MH 1	Rainfall in the area produced I & I and high flows in sewer mains.	160,000	2.38	✓	Future Construction Planned	N/A	N/A
3/10/2011	600 N GALLAHER VIEW ROAD	FC	Fourth Cre	ek 32A	MH 77	Rainfall in the area produced I & I and high flows in sewer mains.	468,000	39	✓	Future Construction Planned	N/A	N/A

	Street # Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours) Duration (Hours) Within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
3/10/2011 3/12/2011	2377 NEYLAND DRIVE 1218 GLADE HILL DRIVE	KUW FC	Third Creek Loves Creek	35B 32A	MH 3 MHs 30-50 & 30-52		Rainfall in the area produced I & I and high flows in sewer mains. Blockage - Grease	Unknown 670	Unknown 2.5	Future Construction Planned N/A	N/A BA/Grease Control	N/A 12 Months
3/12/2011	1712 POLKWRIGHT LANE	FC	Fourth Creek	37	Residential Grinder Pump		Grinder Pump Failure	5	1	N/A	Repair Completed	N/A
3/13/2011 3/17/2011	1716 POLKWRIGHT LANE 6410 S NORTHSHORE DRIVE	FC KUW	Fourth Creek Fourth Creek	37 37	Residential Grinder Pump MH 8		Grinder Pump Failure Rainfall in the area produced I & I and high flows in sewer mains.	5 Unknown	1 Unknown ✓	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
3/19/2011	123 INGERSOLL AVENUE	KUW	South Knoxville		Lateral Cleanout		Blockage - Debris	12	1	N/A	BA	6 Months
3/22/2011	4713 OLD BROADWAY	KUW	First Creek	7	MH 2 & 63		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown 🗸	Future Construction Planned	N/A	N/A
3/24/2011 3/29/2011	409 N BELLEMEADE AVENUE 702 REDWINE STREET	KUW	Third Creek South Knoxville	28	MH 3-53 MH 5		Rainfall in the area produced I & I and high flows in sewer mains. Construction Failure - Bypass Pump Failure	300	1 ✓ 0.25	Construction Completed N/A	N/A Repair Completed	N/A N/A
4/4/2011	2641 MARYVILLE PIKE	KUW	Knob Creek	45	Residential Grinder Pump		Grinder Pump Failure	100	1	N/A	Repair Completed	N/A
4/5/2011	4228 CROSBY DRIVE	KUW	Third Creek	28	MH 27-3 MH 36-18		Blockage - Roots	75	1 2.5	N/A	BA	6 Months 6 Months
4/6/2011 4/7/2011	8105 W CLIFF DRIVE 3526 BUFFAT MILL ROAD	FC LC	Fourth Creek First Creek	32A 18	MH 35-18 MH 65-19 and BBU	BBU	Blockage - Roots Blockage - Roots	400 300	4	N/A N/A	BA	12 Months
4/14/2011	4418 KINGSTON PIKE	KUW	Third Creek	34	Lateral Cleanout	550	System Failure - Broken Gravity Main	10	2	N/A	Repair Completed	N/A
4/16/2011 4/16/2011	3410 BORIGHT DRIVE	KUW	First Creek	8	MH 43 & 44 MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	2,250	4 ✓ 5 ✓	Future Construction Planned	N/A N/A	N/A N/A
4/16/2011	2536 CECIL AVENUE 4100 CENTRAL AVENUE PIKE	LC KUW	First Creek Second Creek	10	MH 30-11 MH 17-9		Rainfall in the area produced I & I and high flows in sewer mains.	24,000 800	5 ✓ 4 ✓	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
4/16/2011	1411 DAVANNA STREET	KUW	Second Creek	15	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	#REF!	1 🗸	Construction Completed	N/A	N/A
4/16/2011	3741 EAKERS STREET	KUW			MH 47 & 47-103 MH 77		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	1,900	1 ✓ 1	Construction Underway	N/A N/A	N/A N/A
4/16/2011 4/16/2011	2544 FAIR DRIVE 1500 LYONS BEND ROAD	FC	First Creek Fourth Creek	4	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	100 350,000	2.82 ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/16/2011	600 N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Rainfall in the area produced I & I and high flows in sewer mains.	264,000	22 🗸	Future Construction Planned	N/A	N/A
4/16/2011 4/16/2011	2004 NEYLAND DRIVE 4713 OLD BROADWAY	KUW KUW	Second Creek First Creek	35A 7	MH 1 MH 2 & 63		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	20,000 24,500	0.18 ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/16/2011	2004 RIVERSIDE DRIVE	KUW			MH 2 000		Rainfall in the area produced I & I and high flows in sewer mains.	2,000	1 1	Future Construction Planned	N/A	N/A
4/16/2011	4421 ROYALVIEW ROAD	LC	Third Creek	11	MH 11-157		Rainfall in the area produced I & I and high flows in sewer mains.	750	1	Future Construction Planned	N/A	N/A
4/16/2011 4/17/2011	6410 S NORTHSHORE DRIVE 3814 WOODLAKE DRIVE	FC KUW	Fourth Creek First Creek	37	MH 8 Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	19,000	5 ✓ 1 ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
4/18/2011	304 SEVENTH AVENUE	KUW	First Creek	18	MH 15		Rainfall in the area produced I & I and high flows in sewer mains.	200	1 ✓	Future Construction Planned	N/A	N/A
4/18/2011 4/21/2011	5546 WILKERSON ROAD 4505 MIDDLEBROOK PIKE	KUW KUW	Third Creek Third Creek	9 21	Lateral Cleanout MH 16-48 & 2 Unnamed Manholes		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	50 72,000	1 ✓ 6	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/24/2011	3901 BONNIE VIEW AVENUE	LC	Loves Creek	20	MH 74-8		Blockage - Roots and Grease, Influenced by Heavy Rainfall	50	2	N/A	BA/Grease Control	6 Months
4/28/2011	3741 EAKERS STREET	KUW	South Knoxville	40	MH 47 & 47-103		Rainfall in the area produced I & I and high flows in sewer mains.	100	1 🗸	Construction Underway	N/A	N/A
4/28/2011 4/28/2011	1500 LYONS BEND ROAD 600 N GALLAHER VIEW ROAD	FC FC	Fourth Creek Fourth Creek	37 32A	MH 1 MH 77		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	680,000 36,000	5.82 V	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/28/2011	6410 S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	8,700	1 ✓	Future Construction Planned	N/A	N/A
4/28/2011		KUW	First Creek	18	MH 15 MH 9		Rainfall in the area produced I & I and high flows in sewer mains.	5	1 ✓ 1	Future Construction Planned	N/A	N/A
4/28/2011 4/28/2011	237 W SCOTT AVENUE 5546 WILKERSON ROAD	KUW		15 9	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	1,000 100	1 1 ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
4/29/2011	1704 POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure	5	0.25	N/A	Repair Completed	N/A
4/29/2011 5/2/2011	6928 WESTLAND DRIVE 3604 HILLVALE CIRCLE	FC KUW	Fourth Creek Third Creek	36	Broken Gravity Main MH 1-115		System Failure - Broken Gravity Main Rainfall in the area produced I & I and high flows in sewer mains.	57,000 100	2	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
5/9/2011	2639 LOUISE AVENUE	KUW			MH 5-1		Blockage - Grease and Debris	540,000	24	N/A	BA/Grease Control	12 Months
5/9/2011	1728 POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure	5	1	N/A	Repair Completed	N/A
5/10/2011 5/11/2011	2524 JACOB DRIVE 5356 BENT RIVER BOULEVARD	KUW FC		35B 43	MH 4-9 Residential Grinder Pump		Construction Failure - Bypass Pump Failure Grinder Pump Failure	2,000	2	N/A N/A	Repair Completed Repair Completed	N/A N/A
5/15/2011	5715 ELDRIDGE ROAD	KUW	First Creek	3	Lateral Cleanout		Blockage - Roots	125	2	N/A	BA	12 Months
5/25/2011	1917 CHEROKEE BOULEVARD	KUW	Third Creek	38	MH 25		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	Future Construction Planned	N/A	N/A
6/2/2011 6/6/2011	1216 GLENOAKS DRIVE 2305 CLINCH AVENUE	KUW KUW	First Creek Third Creek	7 35B	Lateral Cleanout MH 39		Blockage - Roots, Grease, and Debris Blockage - Debris	30 750	1	<u>N/A</u> N/A	BA/Grease Control BA	12 Months 12 Months
6/6/2011	114 TILLERY DRIVE	KUW	Second Creek	10	MH 16-1		System Failure - Sag	15,000	5	Construction Completed	N/A	N/A
6/7/2011 6/11/2011	814 W FOURTH AVENUE 4304 ROBERTS ROAD	KUW EB		23 113	MH 19-189 Grinder Pump		Blockage - Debris	5,550	1.5 ✓	<u>N/A</u> N/A	BA/Grease Control	12 Months N/A
6/14/2011	2010 E FIFTH AVENUE	KUW	Eastbridge First Creek	24	Broken Gravity Main		Grinder Pump Failure System Failure - Broken Gravity Main	7,800	2.5	N/A	Repair Completed Repair Completed	N/A N/A
6/17/2011	961 E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure	200	0.16	Construction Completed	N/A	N/A
6/24/2011 6/24/2011	3621 BORIGHT DRIVE 1411 DAVANNA STREET	KUW	First Creek Second Creek	8	MH 45 MH 8		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	400	3 ✓	Future Construction Planned Construction Completed	N/A N/A	N/A N/A
6/24/2011	1722 POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure	5	0.08	N/A	Repair Completed	N/A
6/24/2011	1216 WATERCRESS DRIVE	KUW	1 1101 010011	7	MH 29-9		Rainfall in the area produced I & I and high flows in sewer mains.	60		Future Construction Planned	N/A	N/A
6/25/2011 6/29/2011	304 SEVENTH AVENUE 4014 HOLSTON HILLS ROAD	KUW LC	First Creek Loves Creek	18 26	MH 15 MH 72		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	200 200		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
6/29/2011	5014 JACKSBORO PIKE	KUW	First Creek	4	MH 13-101		Rainfall in the area produced I & I and high flows in sewer mains.	200	1	Future Construction Planned	N/A	N/A
7/2/2011 7/7/2011	5936 MONTINA ROAD 800 GRAVES STREET	KUW	Third Creek Williams Creek	9 25	MH 17-212 & 17-210 MH 31		Blockage - Debris	3,300 500	4	N/A N/A	BA BA/Grease Control	12 Months 3 Months
7/7/2011	2004 RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Blockage - Grease, Debris, Influenced by Heavy Rainfall Rainfall in the area produced I & I and high flows in sewer mains.	1,000	1 1	Future Construction Planned	N/A	N/A
7/11/2011	1313 ADAIR DRIVE	KUW	First Creek	7	MH 28-1		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	Future Construction Planned	N/A	N/A
7/13/2011	719 E LAKE FOREST DRIVE 1912 CUMBERLAND AVENUE	KUW	Knob Creek	41 25h	Lateral Cleanout and BBU	BBU	Construction Failure - Bypass Pump Failure	225	0.083	N/A N/A	Repair Completed	N/A
7/20/2011 7/23/2011	5241 BENT RIVER BOULEVARD	KUW FC	Third Creek Fourth Creek	35b 43	Lateral Cleanout Residential Grinder Pump		Construction Failure - Unconnected Lateral Grinder Pump Failure	150 5	1	N/A N/A	Repair Completed Repair Completed	N/A N/A
8/3/2011	5910 MEADOW OAKS LANE	KUW	Knob Creek	41	Broken Force Main		System Failure - Broken Force Main	1,000	1	N/A	Repair Completed	N/A
8/4/2011 8/11/2011	701 WORLDS FAIR PARK DRIVE 516 N BEAMAN STREET	KUW LC	Second Creek Loves Creek	23	MH 19-9 MH 61-8		Blockage - Debris Blockage - Roots	300	2 0.25	Construction Completed Construction Underway	N/A BA	N/A 6 Months
8/15/2011	110 SIXTEENTH STREET	KUW	Second Creek	23	MH 21-177		Blockage - Debris	200	1	N/A	BA/Grease Control	12 Months
8/22/2011	1134 FERD HICKEY ROAD	FC	Fourth Creek	32a	MH 30-39		Blockage - Roots	2,000	2	N/A	BA	12 Months
8/24/2011 9/1/2011	5247 BENT RIVER BOULEVARD 6235 RUTLEDGE PIKE	FC LC	Fourth Creek Loves Creek	43 105	Residential Grinder Pump Grinder Pump and BBU	BBU	Grinder Pump Failure Grinder Pump Failure	<u> </u>	1	N/A N/A	Repair Completed Repair Completed	N/A N/A
9/5/2011	1308 ADAIR DRIVE	KUW	First Creek	7	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	500	5	Future Construction Planned	N/A	N/A
9/5/2011 9/5/2011	1903 JEFFERSON AVENUE 1500 LYONS BEND ROAD	KUW FC	First Creek Fourth Creek	24	MH 25-18, Lateral Cleanout, Lateral Cleanout MH 1		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	2,700	5 ✓ 17.35 ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
9/6/2011	5011 KINGSTON PIKE	FC	Third Creek	34	MH 58		Blockage - Debris, Influenced by Heavy Rainfall	2,000	5 ✓	Construction Completed	BA	6 Months
9/6/2011	6410 S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	13,000	1 Ý	Future Construction Planned	N/A	N/A
9/7/2011 9/9/2011	2111 MOHAWK AVENUE 5246 BENT RIVER BOULEVARD	KUW FC	Williams Creek Fourth Creek	25 43	MH 4-2 Residential Grinder Pump		Blockage - Grease, Influenced by heavy rainfall. Grinder Pump Failure	5,400	12 2 ✓	N/A N/A	BA/Grease Control Repair Completed	12 Months N/A
9/9/2011	1216 WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Rainfall in the area produced I & I and high flows in sewer mains.	50	1 1	Future Construction Planned	N/A	N/A
10/1/2011	206 HILLVIEW AVENUE	LC	Loves Creek	6	MH 29-145 & Lateral Cleanout		Blockage - Roots	500	1	N/A	BA Roppir Completed	12 Months
10/1/2011 10/3/2011	4304 ROBERTS ROAD 1915 LYONS BEND ROAD	LC FC	Eastbridge Fourth Creek	113 43	Residential Grinder Pump Residential Grinder Pump		Grinder Pump Failure Grinder Pump Failure	6	0.5 ✓ 0.5	N/A N/A	Repair Completed Repair Completed	N/A N/A
10/17/2011	4304 ROBERTS ROAD	LC	Eastbridge	113	Residential Grinder Pump		Grinder Pump Failure	1	0.25 🗸	N/A	Repair Completed	N/A
10/21/2011	5401 MONTCREST ROAD 409 N WINSTON ROAD	KUW FC		4 32B	MH 35-25 MH17-1		System Failure - Broken Gravity Main	50	1	N/A N/A	Repair Completed	N/A N/A
11/2/2011 11/5/2011	846 HANSMORE PLACE	FC	Fourth Creek Fourth Creek	32B 36	MH17-1 MH 3-325		System Failure - Broken Gravity Main Blockage - Debris	50 100	3	N/A N/A	Repair Completed BA	12 Months
11/6/2011	1708 PINETREE LANE	FC	Fourth Creek	32A	Lateral Cleanout		Blockage - Grease	62,000	72 - Intermittently	N/A	BA	12 Months
11/12/2011	1017 ANDES ROAD	LC	Loves Creek	26	MH 72-152		Blockage - Grease	250	2	N/A Future Construction Planned	BA/Grease Control N/A	12 Months
11/16/2011 11/16/2011	1908 JEFFERSON AVENUE 1216 WATERCRESS DRIVE	KUW KUW	First Creek First Creek	24	Lateral Cleanout MH 29-9		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	50 200	1 × 1 ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
11/17/2011	1919 TENNESSEE AVENUE	KUW	Third Creek	22	2 Lateral Cleanouts		Blockage - Debris, Influenced by Heavy Rainfall	900	2	N/A	BA	12 Months
11/22/2011 11/23/2011	2885 TAZEWELL PIKE 5405 LANCE DRIVE	KUW KUW	First Creek Third Creek	8 21	Unnamed MH MH 10-85		Construction Failure - Bypass Pump Failure Blockage - Roots	1,500 300	2	N/A N/A	Repair Completed BA	N/A 6 Months
		1.017	Sicola			II		500	-		0	05137 ^{6 Months}

Date S	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
11/23/2011	5525	LONAS DRVIE	FC	Fourth Creek	27	MH 9-21		Blockage - Grease	40	1		N/A	BA/Grease Control	6 Months
11/26/2011	2520	WOODLAND RESERVE LANE	FC	Fourth Creek	43	Broken Force Main		System Failure - Broken Force Main	200	2		N/A	Repair Completed	N/A
11/28/2011	2110	ATCHLEY STREET	KUW	South Knoxville	40	MH 1-80		System Failure - Broken Gravity Main	100	2		N/A	Repair Completed	N/A
11/28/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	398,650	6.42	✓	Future Construction Planned	N/A	N/A
11/28/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Rainfall in the area produced I & I and high flows in sewer mains.	150	2	✓	Future Construction Planned	N/A	N/A
12/4/2011	520	CHEROKEE BOULEVARD	KUW	Third Creek	38	Broken Gravity Main		Blockage - Roots and Debris	3,500	1		N/A	BA	12 Months
12/4/2011	3319	FOUNTAIN PARK BOULEVARD	KUW	First Creek	18	MH 72		Blockage - Grease and Debris	325	4.5		N/A	BA/Grease Control	12 Months
12/10/2011	621	MILLIGAN STREET	KUW	Williams Creek	19	Residential Grinder Pump		Construction Failure - Grinder Pump Reinstated	10	1		N/A	Repair Completed	N/A
12/10/2011	5209	MURPHY ROAD	KUW	First Creek	2	Residential Grinder Pump and BBU	BBU	Construction Failure - Grinder Pump Reinstated	30	2		N/A	Repair Completed	N/A
12/13/2011	1300	ALCOA HIGHWAY	KUW	Third Creek	35B	MH 18-3		Blockage - Debris	650	1		N/A	BA	12 Months
12/24/2011	5347	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump and BBU	BBU	Grinder Pump Failure	5	1		N/A	Repair Completed	N/A
12/29/2011	300	E COLUMBIA AVENUE	KUW	Second Creek	15	Lateral Cleanout		System Failure - Broken Gravity Main	25	1		Construction Completed	N/A	N/A
12/31/2011	3602	E KESTERWOOD DRIVE	KUW	First Creek	4	Lateral Cleanout		Blockage - Roots	375	2		Construction Underway	N/A	N/A

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	vent occurred two or more nes within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
2/28/2011 4/17/2011		WOODLAKE DRIVE WOODLAKE DRIVE		First Creek First Creek		Lateral Cleanout Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	400 20	4	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
1/7/00	5215			First Creek	1	MU 26	The s	ewer main was flushed to remove the blockage caused by roots and was influenced		14		N/A	ВА	2 Months
1/7/09 3/18/09		SHANNONDALE ROAD GREENWAY DRIVE	KUW	First Creek First Creek	2	MH 36 Private Sewer Connection		by heavy rainfall. There was an unconnected private sewer main.	5,040 Unknown	Unknown		Curent 5-Yr Plan	N/A	3 Months N/A
2/19/03		OAKLAND DR	KUW		2	MH 39-48		Heavy rainfall in the area resulted in high flows in the collection system.	360	6	✓	Construction Completed	BA	6 Months
2/22/03	4144	OAKLAND DR	KUW	First Creek	2	MH 39-48		Heavy rainfall in the area resulted in high flows in the collection system.	240	2	✓	Construction Completed	BA	6 Months
2/6/04		OAKLAND DR			2	MH 39-4 & 39-5		Heavy rainfall in the area resulted in high flows in the collection system.	12,000	20	√	Construction Completed	BA	12 Months
3/10/04 11/30/04		OAKLAND DR OAKLAND DR	KUW	First Creek First Creek	2	MH 39-4 MH 39-4		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	450 1080	4	✓ ✓	Construction Completed	BABA	12 Months 12 Months
12/7/04		OAKLAND DR			2	MH 39-4 & 39-44		Heavy rainfall in the area resulted in high flows in the collection system.	2000	2.75	✓	Construction Completed Construction Completed	BA	12 Months
12/11/04		OAKLAND DR	KUW	First Creek	2	MH 39-4, 39-44 & 39-45		Heavy rainfall in the area resulted in high flows in the collection system.	60	1	√	Construction Completed	BA	12 Months
5/28/08		OAKLAND DRIVE	KUW	First Creek	2	MHs 39-4,39-44&39-45 and Lateral CO		Heavy rainfall in the area resulted in high flows in the collection system.	45,655	2	1	Construction Completed	N/A	N/A
12/11/08		OAKLAND DRIVE	KUW	First Creek	2	MH 39-4		Heavy rainfall in the area resulted in high flows in the collection system.	150	2	✓	Construction Completed	N/A	N/A
1/6/09	4144	OAKLAND DRIVE	KUW	First Creek	2	MHs 39-4,39-44,39-45 & 2 Cleanouts		Heavy rainfall in the area resulted in high flows in the collection system.	22,475	11	✓	Construction Completed	N/A	N/A
5/7/09	4419	MCCAMPBELL LANE	KUW	First Creek	2	MH 43-64	Th	e sewer main was flushed to remove the blockage caused by construction debris.	270	1.5		N/A	N/A	N/A
8/29/02		MURPHY RD		First Creek	2	Residential Pump Station	Th	e wastewater pump station overflowed due to a mechanical failure at the station.	10	2		N/A	Repair Completed	N/A
3/25/08 5/5/09		MURPHY ROAD MURPHY ROAD		First Creek First Creek	2	Wetwell Wetwell		The mechanical failure of the residential grinder pump was repaired.	14	2		N/A N/A	Repair Completed	N/A N/A
11/24/04		BEVERLY RD	KUW	First Creek	2	MH 39-44 & 39-4		There was a mechanical failure of the commercial grinder pump. Heavy rainfall in the area resulted in high flows in the collection system.	9360	2.5	~	Construction Completed	Repair Completed BA	12 Months
2/10/2011		MURPHY ROAD		First Creek	2	Residential Grinder Pump and BBU	BBU	Construction Failure - Grinder Pump Reinstated	30	2		N/A	Repair Completed	N/A
1/19/01		OAKLAND DR & BEVERLY RD	KUW	First Creek	2	MH 39-4	Heav	y rainfall in the area resulted in high flows in the collection system/Blockage caused	2000	4		N/A	BA	12 Months
1/18/10		LYNNWOOD DRIVE	KUW	First Creek	3	MH 2-98	т	by debris. the sewer main was flushed to remove the blockage caused by grease and roots.	130	0.5		N/A	BA	6 Months
5/16/10		LUCINDA DRIVE		First Creek	3	Lateral Cleanout		The sewer main was flushed to remove the blockage caused by grease and roots.	130	2		N/A	BA	6 Months
													BA/Grease Control	6 Months
2/19/08		NORTH BROADWAY	KUW	First Creek	3	MH 10-4	Th	e sewer main was flushed to remove the blockage caused by grease and debris.	5	0.5		N/A N/A		
2/21/09	5534	JACKSBORO PIKE	KUW	First Creek	3	Broken Pipe		There was a pipe separation at a temporary connection to the sewer main.	960	Ŭ			Repair Completed	N/A
6/25/10	5660	COLONIAL CIRCLE	KUW	First Creek	3	MH 14-2	Th	e sewer main was flushed to remove the blockage caused by grease and debris.	5,600	12		N/A	BA	12 Months
5/15/2011	5715	ELDRIDGE ROAD	KUW	First Creek	3	Lateral Cleanout		Blockage - Roots	125	2		N/A	BA	12 Months
4/22/08		DONNINGHAM DRIVE	KUW	First Creek	4	MH 22-211		The sewer main was flushed to remove the blockage caused by roots.	35	3		N/A	BA	6 Months
12/9/08 3/3/08		RIDGECREST DRIVE BELCARO DRIVE	KUW	First Creek First Creek	4	MH 18-126 MH 18-117		The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by debris.	561	5 0.25		N/A N/A	BABA	6 Months 6 Months
5/8/08		MARTHA BERRY DRIVE	KUW	First Creek	4	MH 18-116		The sewer main was flushed to remove the blockage caused by roots.	230	1		N/A	BA	6 Months
7/27/09		HIGHLAND DRIVE		First Creek	4	MH 11-21		The sewer main was flushed to remove the blockage caused by roots.	344	1		N/A	BA	3 Months
12/31/10	2204	HIGHLAND DRIVE	KUW	First Creek	4	Broken Sewer		The SSO was caused by a broken sewer main.	450	2		N/A	Repair Completed	N/A
1/24/10	2414	BERNHURST DRIVE	киw	First Creek	4	MH 18-58, 18-54 & 18-53	Ine	sewer main was flushed to remove the unknown blockage and influenced by heavy rainfall.	5550	10		N/A	BA	6 Months
1/24/10	2414	BERNINGKOT BRIVE	NOW	T list Oreek	-	With 10-50, 10-54 & 10-55	The	ewer main was flushed to remove the blockage caused by debris and influenced by						
2/5/10	2430	HIGHLAND DRIVE	KUW	First Creek	4	Lateral Cleanout		heavy rainfall.	2290	1.5		N/A	BA	6 Months
3/2/2011		HIGHLAND DRIVE		First Creek		Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	120	2		Future Construction Planned	N/A	N/A
2/28/2011 11/30/10		CEDAR LANE FAIR DRIVE	KUW	First Creek First Creek	4	MH 22-13 MH 20-2		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	500 150	1		Future Construction Planned Current 5-Yr Plan	N/A BA	N/A 12 Months
4/16/2011		FAIR DRIVE	KUW	First Creek	4	MH 20 2		Rainfall in the area produced I & I and high flows in sewer mains.	100	1		Future Construction Planned	N/A	N/A
2/31/2011		EAST KESTERWOOD DRIVE	KUW		4	Lateral Cleanout		Blockage - Roots	375	2		Construction Underway	N/A	N/A
6/29/2011 0/21/2011		JACKSBORO PIKE MONTCREST ROAD	KUW	First Creek First Creek	4	MH 13-101		Rainfall in the area produced I & I and high flows in sewer mains.	200	1		Future Construction Planned N/A	N/A Densis Completed	N/A N/A
0/21/2011	5401	MONTCREST ROAD	KUW	First Creek	4	MH 35-25	Ther	System Failure - Broken Gravity Main e was a process failure of a construction bypass pumping system. The process was	00				Repair Completed	
11/6/09	212	DRY GAP PIKE	KUW	Second Creek	5	MH 16-67		restored	205	1		N/A	N/A	N/A
10/01/00			1/1 1/1		_		The	sewer main was flushed to remove the blockage caused by grease during a rainfall				N/A	BA	6 Months
10/24/08	405	MERCHANTS DRIVE	KUW	Second Creek	5	Leaking Joint	The s	event. ewer main was flushed to remove the blockage caused by roots and was influenced	280	1				
1/7/09	701	CEDAR LANE	KUW	Second Creek	5	MH 35-4	1100	by heavy rainfall.	37,450	26		N/A	BA	3 Months
7/29/10	720	WOODVIEW DRIVE		Second Creek	5	MH 35-2		The sewer main was flushed to remove the blockage caused by roots.	2	1		N/A	BA	6 Months
1/6/10		KERMIT DRIVE		Second Creek	5	MH 4-36		The sewer main was flushed to remove the blockage caused by grease.	1080	1.5		N/A	BA	6 Months
2/28/2011 1/10/09		OAKLETT DRIVE ROWAN ROAD		Second Creek Second Creek		Wetwell MH 17-47		Rainfall in the area produced I & I and high flows in sewer mains. The sewer main was flushed to remove the blockage caused by roots.	9,000	1.5		Future Construction Planned N/A	N/A BA	N/A 3 Months
3/1/2011		HAYNES-STERCHI ROAD		Second Creek		MH 35-4		Blockage - Debris, Influenced by heavy rainfall.	500	1		N/A	BA	3 Months
3/17/08	5601	CEDAR HEIGHTS ROAD	KUW	Second Creek	5	MH 35-22		The sewer main was flushed to remove the blockage caused by debris.	360	1		N/A	BA	6 Months
10/1/2011		HILLVIEW AVENUE		Loves Creek		MH 29-145 & Lateral Cleanout		Blockage - Roots	500	1		N/A	BA	12 Months
12/26/10	1725	LOVES CREEK ROAD	LC	Loves Creek	6	MH 48-3		The sewer main was flushed to remove the blockage caused by debris.	180	2		N/A	N/A	N/A
8/23/05	2304	WOODS CREEK RD	LC	Loves Creek	6	Grinder Pump	Th	e residential grinder pump was replaced after the mechanical failure of the pump.	5	2		N/A	Repair Completed	N/A
11/19/08	3600	KENILWORTH LANE		Loves Creek	6	BBU and Service Lateral		A private contractor installing a gas main bored through the service lateral.	19	1		N/A	Repair Completed	N/A
2/7/09		CLUSTER AVENUE		Loves Creek		MH 29-161		The sewer main was flushed to remove the blockage caused by roots.	5	4		N/A	BA	6 Months
7/7/08 8/11/09		BUFFAT MILL ROAD MILLERTOWN PIKE		Loves Creek Loves Creek	6	MH 29-289 Lateral		The sewer main was flushed to remove the blockage caused by roots. The lateral was damaged during installation of gas main.	216 137	3 72 Intermittently		N/A N/A	BA Repair Completed	6 Months N/A
2/21/10		MILLERTOWN PIKE		Loves Creek	-	Broken Sewer		There was an SSO caused by a leaking low pressure sewer pipe.	5	1.5		N/A N/A	Repair Completed	N/A N/A
1/28/10		EAST INSKIP DRIVE		First Creek	7	MH 29-63		The sewer main was flushed to remove the blockage caused by debris.	410	1	<u> </u>	Current 5-Yr Plan	BA	12 Months
6/2/2011		GLENOAKS DRIVE		First Creek	7	Lateral Cleanout		Blockage - Roots, Grease, and Debris	30	1		Future Construction Planned	BA/Grease Control	12 Months
12/11/08		WATERCRESS DRIVE		First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	65	1		N/A	BA	6 Months
12/3/10 3/3/2011		WATERCRESS DRIVE WATERCRESS DRIVE		First Creek	7	MH 29-9 MH 29-9		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	1000	3	✓	Current 5-Yr Plan	BA N/A	6 Months N/A
6/24/2011		WATERCRESS DRIVE	KUW		7	мн 29-9 МН 29-9		Rainfall in the area produced I & I and high flows in sewer mains.	50 60	1	✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
9/9/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Rainfall in the area produced I & I and high flows in sever mains.	50	1	 ✓ 	Future Construction Planned	N/A	N/A
1/16/2011		WATERCRESS DRIVE		First Creek	7	MH 29-9		Rainfall in the area produced I & I and high flows in sewer mains.	200	1	×	Future Construction Planned	N/A	N/A
1/28/2011	1216	WATERCRESS DRIVE	KUW	First Creek	1	MH 29-9	Lies	Rainfall in the area produced I & I and high flows in sewer mains. y rainfall in the area resulted in high flows in the collection system/Blockage caused	150	2	✓	Future Construction Planned	N/A	N/A
11/24/04	1235	WATERCRESS DR	кuw	First Creek	7	MH 29-9	i ieav	by grease.	3960	8.25		N/A	BA/Grease Control	6 Months
9/23/06		WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9	Rair	fall amounts between 3.95" & 5.05" fell across the service area producing I & I and	1440	6		N/A	BA	6 Months
	00			First Creek	7	Lateral Cleanout		high flows in the sewer mains.	500	5			N/A	
9/5/2011	1308		KUW	First Creek	7	MH 28-1		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
9/5/2011 7/11/2011		ADAIR DRIVE	-		7	MH 26		Rainfall in the area produced I & I and high flows in sewer mains.	60	1		Current 5-Yr Plan	N/A	N/A
7/11/2011 9/11/10	1313 1408	ADAIR DRIVE	KUW	First Creek		MH 17-32		The sewer main was flushed to remove the blockage caused by roots.	1,025	10		N/A	BA	6 Months
7/11/2011	1313 1408			First Creek	7					1	1			
7/11/2011 9/11/10	1313 1408 1902	ADAIR DRIVE			7 7	MH 45	Rain	fall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains	360	2		N/A	ВА	12 Months
7/11/2011 9/11/10 12/8/08	1313 1408 1902 4600	ADAIR DRIVE HIGHLAND DRIVE	KUW KUW	First Creek	7 7 7		Rair	fall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.		2		N/A Current 5-Yr Plan	BA	12 Months 6 Months
7/11/2011 9/11/10 12/8/08 9/23/06	1313 1408 1902 4600 4600	ADAIR DRIVE HIGHLAND DRIVE UPCHURCH ROAD	KUW KUW	First Creek First Creek First Creek	7 7 7 7 7	MH 45	Rair	high flows in the sewer mains.	360 105 100					
7/11/2011 9/11/10 12/8/08 9/23/06 1/27/10 3/2/2011	1313 1408 1902 4600 4600 4600	ADAIR DRIVE HIGHLAND DRIVE UPCHURCH ROAD UPCHURCH ROAD UPCHURCH ROAD	KUW KUW KUW	First Creek First Creek First Creek First Creek	7 7 7 7 7	MH 45 MH 45 MH 45		high flows in the sewer mains. Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains. y rainfall in the area resulted in high flows in the collection system/Blockage caused	105 100	1 2		Current 5-Yr Plan Future Construction Planned	BA N/A	6 Months N/A
7/11/2011 9/11/10 12/8/08 9/23/06 1/27/10 3/2/2011 2/19/03	1313 1408 1902 4600 4600 4600 4600	ADAIR DRIVE HIGHLAND DRIVE UPCHURCH ROAD UPCHURCH ROAD UPCHURCH ROAD UPCHURCH ROAD	KUW KUW KUW KUW	First Creek First Creek First Creek First Creek First Creek	7 7 7 7 7	MH 45 MH 45 MH 45 MH 45		high flows in the sewer mains. Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains. y rainfall in the area resulted in high flows in the collection system/Blockage caused by swags.	105 100 90	1 2 3		Current 5-Yr Plan Future Construction Planned N/A	BA N/A BA	6 Months N/A 12 Months
7/11/2011 9/11/10 12/8/08 9/23/06 1/27/10 3/2/2011	1313 1408 1902 4600 4600 4600 4600	ADAIR DRIVE HIGHLAND DRIVE UPCHURCH ROAD UPCHURCH ROAD UPCHURCH ROAD	KUW KUW KUW KUW	First Creek First Creek First Creek First Creek	7 7 7 7 7 7 7 7	MH 45 MH 45 MH 45	Heav	high flows in the sewer mains. Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains. y rainfall in the area resulted in high flows in the collection system/Blockage caused	105 100	1 2		Current 5-Yr Plan Future Construction Planned	BA N/A	6 Months N/A

Date S	Street # Street	Plant Watershed	Basin Overflow Location	Private Property Cause of SSO/KUB Response Location	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
2/6/04	4713 OLD BROADWAY	Herr Hot brook	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	13,500	18 🗸	Construction Completed	BA	12 Months
3/6/04	4713 OLD BROADWAY	KUW First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	3150	2.5 🗸	Construction Completed	BA	12 Months
6/23/04	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW First Creek	7 MH 2 7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	N/A	N/A ✓	Construction Completed	BABA	12 Months
9/20/04 11/24/04	4713 OLD BROADWAY 4713 OLD BROADWAY		7 MH 2 7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	561 2040	5 ✓ 11.3 ✓	Construction Completed	BA	12 Months 12 Months
12/1/04	4713 OLD BROADWAY 4713 OLD BROADWAY	KUW First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	37,400	11.3 V	Construction Completed Construction Completed	BA	12 Months
12/7/04	4713 OLD BROADWAY	KUW First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	54,720	9.5 ✓	Construction Completed	BA	12 Months
12/9/04	4713 OLD BROADWAY		7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	1,008,120	62 🗸	Construction Completed	BA	12 Months
4/19/05	4713 OLD BROADWAY	KUW First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	250	2 🗸	Construction Completed	BA	12 Months
1/17/06	4713 OLD BROADWAY	KUW First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	270	2 🗸	Construction Completed	BA	12 Months
1/26/06	4713 OLD BROADWAY	KUW First Creek	7 MH 2	A KUB CIPP contractor turned off a bypass pump before unplugging the sewer main	n. 14025	1 ✓	Construction Completed	BA	12 Months
4/8/06	4713 OLD BROADWAY	KUW First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	20196	12 🗸	Construction Completed	BA	12 Months
4/22/06	4713 OLD BROADWAY	KUW First Creek	7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	89670	12 🗸	Construction Completed	BA	12 Months
9/24/06	4713 OLD BROADWAY	KUW First Creek	7 MH 2	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and	nd 197712	6 ✓	Construction Completed	ВА	12 Months
1/26/10	4713 OLD BROADWAY	KUW First Creek	7 MH 2	high flows in the sewer mains.	3400	12	Future Construction Planned	BA	12 Months
3/22/2011	4719 OLD BROADWAY		7 MH 2 & 63	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown 🗸	Future Construction Planned	N/A	N/A
4/16/2011	4719 OLD BROADWAY		7 MH 2 & 63	Rainfall in the area produced I & I and high flows in sewer mains.	24,500	3 🗸	Future Construction Planned	N/A	N/A
7/11/10	415 FORESTAL DRIVE		8 MH 7-91	The sewer main was flushed to remove the blockage caused by grease.	200	2	N/A	BA	6 Months
3/1/2011	2415 TECOMA DRIVE	KUW First Creek	8 Lateral Cleanout	Rainfall in the area produced I & I and high flows in sewer mains.	60	3	Future Construction Planned	N/A	N/A
11/22/2011			8 Unnamed MH	Construction Failure - Bypass Pump Failure	1,500	2	N/A	Repair Completed	N/A 12 Maptha
2/28/2011 3/7/10	3218 AVONDALE AVENUE 3403 VALLEY VIEW DRIVE	KUW First Creek KUW First Creek	8 MH 22-33, Broken Lateral & BBU at 3218 & 3220 Avondale Avenue 8 MH 9-86	BBU Blockage - Grease, Influenced by heavy rainfall. The sewer main was flushed to remove the blockage caused by debris.	1,500	1.5	N/A N/A	BA Repair Completed	12 Months N/A
1/6/09	3410 BORIGHT DRIVE		8 MHs 42,43,44 & 45	Heavy rainfall in the area resulted in high flows in the collection system.	4,830	9.5 🗸	Curent 5-Yr Plan	N/A	N/A
12/18/09	3410 BORIGHT DRIVE	KUW First Creek	8 MH 42 & 43	The sewer main was flushed to remove the blockage caused by grease.	3,310	6 1	Curent 5-Yr Plan	BA/Grease Control	6 Months
11/30/10	3410 BORIGHT DRIVE	KUW First Creek	8 MHs 45, 44, 43, 42, 41, 40 and 39	Rainfall in the area produced I & I and high flows in sewer mains.	12750	8 ✓	Future Construction Planned	BA	6 Months
4/16/2011	3412 BORIGHT DRIVE	Herr Hereiten	8 MH 43 & 44	Rainfall in the area produced I & I and high flows in sewer mains.	2,250	4 ✓	Future Construction Planned	N/A	N/A
6/24/2011	3621 BORIGHT DRIVE		8 MH 45	Rainfall in the area produced I & I and high flows in sewer mains.	400	3 🗸	Future Construction Planned	N/A	N/A
1/25/10	5546 WILKERSON ROAD	KUW Third Creek	9 Lateral Cleanout	Rainfall in the area produced I & I and high flows in sewer mains.	5		N/A Future Construction Diapport	N/A	N/A
4/18/2011 4/28/2011	5546 WILKERSON ROAD 5546 WILKERSON ROAD	KUW Third Creek KUW Third Creek	9 Lateral Cleanout 9 Lateral Cleanout	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	50		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
5/30/08	5700 MELSTONE DRIVE			A contractor-owned sewer plug was removed from the sewer main.	100		N/A	Repair Completed	N/A N/A
7/2/2011	5936 MONTINA ROAD	KUW Third Creek		Blockage - Debris	3,300	4	N/A	BA	12 Months
6/6/2011	114 TILLERY DRIVE			System Failure - Sag	15,000	5	Construction Completed	N/A	N/A
2/23/05	125 TILLERY DR	KUW Second Creek	10 MH 16-6	The sewer main was flushed to remove the blockage caused by grease.	720	3	N/A	BA/Grease Control	6 Months
6/22/09	125 TILLERY DRIVE	KUW Second Creek		The sewer main was flushed to remove the blockage caused by grease.	150	1	N/A	BA/Grease Control	3 Months
1/29/08 5/23/10	509 TREHAVEN DRIVE 1312 CASSELL DRIVE	KUW Second Creek KUW Second Creek		The sewer main was flushed to remove the blockage caused by roots and grease. The sewer main was flushed to remove the blockage caused by grease.	55		N/A Future Construction Diappod	BA/Grease Control	6 Months
5/19/10	1401 CASSELL DRIVE	KUW Second Creek		The sewer main was flushed to remove the blockage caused by grease.	200 540	1.5 v	Future Construction Planned Future Construction Planned	BA	6 Months 6 Months
3/7/09	1527 WILSON ROAD	KUW Second Creek		The sewer main was flushed to remove the blockage caused by debris.	95	3	N/A	BA	6 Months
1/12/2011	3922 NERVA ROAD	KUW Second Creek		Blockage - Grease	300	1	N/A	BA/Grease Control	6 Months
4/16/2011	4100 CENTRAL AVENUE PIKE	LC Second Creek		Rainfall in the area produced I & I and high flows in sewer mains.	800	4 🗸	Curent 5-Yr Plan	N/A	N/A
3/3/2011	4105 CENTRAL AVENUE PIKE	KUW Second Creek	10 MH 17-8	Rainfall in the area produced I & I and high flows in sewer mains.	100	1 🗸	Curent 5-Yr Plan	N/A	N/A
12/16/09	4315 CLINTON HIGHWAY	KUW Second Creek	10 Lateral Cleanout	The sewer main was flushed to remove the blockage caused by a protruding lateral, ro grease and debris.	4,855	48 Intermittently	N/A	Repair Completed	N/A
4/16/2011	4421 ROYALVIEW ROAD			Rainfall in the area produced I & I and high flows in sewer mains.	750	1	Future Construction Planned	N/A	N/A
5/12/10	4509 LANDON DRIVE	KUW Third Creek	11 MH 11-229	The sewer main was flushed to remove the blockage caused by grease.	50	1	N/A	BA/Grease Control	6 Months
1/24/2011	5926 ANTIGUA LANE		11 MH 22-11	System Failure - Offset Joint	500	5	N/A	Repair Completed	N/A
2/23/2011	6505 VINTAGE DRIVE	KUW Third Creek	11 MH 48-38	Blockage - Debris	150	1	N/A	BA	12 Months
10/29/08	4801 WILKSHIRE DRIVE	KUW Third Creek	12 Cleanout	The sewer main was repaired and flushed to remove the blockage caused by a broke pipe.	1,500	3	N/A	Repair Completed	N/A
1/25/10	2004 ED SHOUSE ROAD		13 Diversion Structure	Rainfall in the area produced I & I and high flows in sewer mains.	21600	4	N/A	N/A	N/A
2/4/10	4025 THORNWOOD ROAD	KUW Third Creek	13 MH 17-92	The sewer main was flushed to remove the blockage caused by grease and roots.	250	2	N/A	BA/Grease Control	6 Months
8/12/10	4351 FALCONITE WAY	KUW Third Creek	13 MH 10	The SSO was caused by a broken pipe.	7500	24	N/A	Repair Completed	N/A
						1	N/A	BA/Grease Control	3 Months
2/13/09 3/4/09	4712 MOSS DRIVE 4712 MOSS DRIVE	KUW Third Creek KUW Third Creek	13 Lateral Cleanout 13 MH 43 and Lateral Cleanout	The sewer main was flushed to remove the blockage caused by grease and debris. The sewer main was flushed to remove the blockage caused by grease and roots.	. 750	0.5			
3/12/10	4804 BAY STREET	KUW Third Creek		The sewer main was flushed to remove the blockage caused by grease and roots.	250 230	0.5	<u>N/A</u>	BA/Grease Control BA	3 Months 12 Months
4/28/2011	237 WEST SCOTT AVENUE	KUW Second Creek		Rainfall in the area produced I & I and high flows in sewer mains.	1,000	1	Future Construction Planned	N/A	N/A
12/29/2011	300 EAST COLUMBIA AVENUE	KUW Second Creek		System Failure - Broken Gravity Main	25	1	Construction Completed	N/A	N/A
2/25/2011	1124 DELAWARE AVENUE	KUW Second Creek	15 MH 21-53	Blockage - Grease and Debris	500	2	N/A	BA/Grease Control	6 Months
6/5/09	1411 DAVANNA STREET	KUW Second Creek		Heavy rainfall in the area resulted in high flows in the collection system.	3,990	4 🗸	Future Construction Planned	N/A	N/A
9/26/09	1411 DAVANNA STREET	KUW Second Creek		Rainfall in the area produced I & I and high flows in sewer mains. Heavy rainfall in the area resulted in high flows in the sewer system.	350		Future Construction Planned	N/A	N/A
12/15/09 1/25/10	1411 DAVANNA STREET 1411 DAVANNA STREET	KUW Second Creek KUW Second Creek		Rainfall in the area produced I & I and high flows in the sewer system.	Unknown Unknown	Unknown ✓ Unknown ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
5/3/10	1411 DAVANNA STREET	KUW Second Creek		Rainfall in the area produced I & I and high flows in sewer mains.	3600	3 ✓	Future Construction Planned	N/A	N/A
9/11/10	1411 DAVANNA STREET	KUW Second Creek		Rainfall in the area produced I & I and high flows in sewer mains.	1000	1 🗸	Future Construction Planned	N/A	N/A
12/1/10	1411 DAVANNA STREET	KUW Second Creek		Rainfall in the area produced I & I and high flows in sewer mains.	4700	3 ✓	Future Construction Planned	N/A	N/A
1/1/2011	1411 DAVANNA STREET	KUW Second Creek		Rainfall in the area produced I & I and high flows in sewer mains.	5,630	3 🗸	Construction Completed	N/A	N/A
2/28/2011	1411 DAVANNA STREET	KUW Second Creek		Rainfall in the area produced I & I and high flows in sewer mains.	5,800,000	4 🗸	Construction Completed	N/A	N/A
4/16/2011 6/24/2011	1411 DAVANNA STREET 1411 DAVANNA STREET	KUW Second Creek KUW Second Creek		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	#REF! 100		Construction Completed Construction Completed	N/A N/A	N/A N/A
6/13/09	835 FARRAGUT AVENUE			The sewer main was flushed to remove the blockage caused by debris.	54	0.5	N/A	N/A	N/A
3/9/09	1000 OGLEWOOD AVENUE			The sewer main was flushed to remove the blockage caused by debris.	13	0.5	N/A	BA	6 Months
3/1/2011	1521 FAIRMONT BOULEVARD	KUW First Creek	16 Temporary Lateral Connection	Rainfall in the area produced I & I and high flows in sewer mains.	30	1	Future Construction Planned	N/A	N/A
2/6/2011	1908 EDGEWOOD AVENUE	KUW First Creek	16 Water Meter Well	System Failure - Broken Gravity Main	180	1	Repair Completed	N/A	N/A
8/17/09	119 WEST GLENWOOD AVENUE	KUW First Creek	17 Subsurface	The sewer main was flushed to remove the partial blockage caused by grease and bro sewer main.	ken 900	8 Intermittently	Future Construction Planned	BA/Grease Control	6 Months
11/5/08	1036 E EMERALD AVENUE		17 Subsurface 17 MH 4-71	The sewer main was flushed to remove the blockage caused by roots and debris.	120	1 1	N/A	Repair Completed	N/A
11/9/08	1036 E EMERALD AVENUE		17 MH 4-71	The sewer main was flushed to remove the blockage caused by roots and debris.	120	1 1	N/A	Repair Completed	N/A
12/11/04	2509 BROADWAY		17 MH 4-71	The sewer main was flushed to remove the blockage caused by grease and roots.	5220	29	N/A	BA/Grease Control	6 Months
9/28/06	302 SEVENTH AVENUE	KUW First Creek	18 MHS 15 & 16	The sewer main was flushed to remove the blockage caused by roots and influenced heavy rainfall. The sewer main was flushed to remove the blockage caused by roots and was influenced	6209	6 🗸	Future Construction Planned	BA	6 Months
1/8/07	302 SEVENTH AVENUE	KUW First Creek	18 MH 15	by heavy rainfall.	720	2	Future Construction Planned	ВA	6 Months
2/6/04	304 SEVENTH AVE		18 MH 15	Heavy rainfall in the area resulted in high flows in the collection system.	6660	18.5 🗸	Future Construction Planned	BA	12 Months
12/9/04	304 SEVENTH AVE	KUW First Creek	18 MH 15	Heavy rainfall in the area resulted in high flows in the collection system.	26,928	8 ✓	Future Construction Planned	BA	12 Months
11/1/06	304 SEVENTH AVENUE		18 MH 15	Heavy rainfall in the area resulted in high flows in the collection system.	558	5 ✓	Future Construction Planned	BA	6 Months
1/24/10	304 SEVENTH AVENUE		18 MH 15	Rainfall in the area produced I & I and high flows in sewer mains.	90	3	Current 5-Yr Plan	BA	6 Months
3/4/2011	304 SEVENTH AVENUE	KUW First Creek	18 MH 15	Rainfall in the area produced I & I and high flows in sewer mains.	200	1 🗸	Future Construction Planned	N/A	N/A
4/18/2011	304 SEVENTH AVENUE 304 SEVENTH AVENUE	KUW First Creek	18 MH 15 18 MH 15	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	200		Future Construction Planned	N/A N/A	N/A
4/28/2011 6/25/2011	304 SEVENTH AVENUE	KUW First Creek KUW First Creek	18 MH 15 18 MH 15	Rainfall in the area produced I & I and high flows in sewer mains.	200		Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
1/6/09	2536 CECIL AVENUE		18 MH 30-11	Heavy rainfall in the area resulted in high flows in the collection system.	4,575	9 1	Future Construction Planned	BA/Grease Control	6 Months
12/9/09	2536 CECIL AVENUE	KUW First Creek		Heavy rainfall in the area resulted in high flows in the sewer system.	40	0.5 ✓	Future Construction Planned	N/A	N/A
		L				· · · · · ·			05140

Date	Street #	Street Plant	t Wa	tershed	Basin	Overflow Location Pro	Private roperty ocation	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours) Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
1/24/10				st Creek		MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains.	138060	8 🗸	Current 5-Yr Plan	BA	6 Months
5/3/10		CECIL AVENUE KUW		st Creek	18	MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains.	4200	2.25 ✓	Current 5-Yr Plan	BA	6 Months
11/30/10 2/28/2011		CECIL AVENUE KUW		st Creek st Creek	18 18	MH 30-11 MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	17250 410,000	8 ✓	Current 5-Yr Plan Construction Completed	BA N/A	6 Months N/A
3/6/2011		CECIL AVENUE KUW		st Creek	18	MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains.	1,500	3 1	Construction Completed	N/A	N/A
3/9/2011		CECIL AVENUE KUW		st Creek	18	MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains.	98,000	8 🗸	Construction Completed	N/A	N/A
4/16/2011		CECIL AVENUE KUW		st Creek	18	MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains.	24,000	5 🗸	Construction Completed	N/A	N/A
12/4/2011		FOUNTAIN PARK BOULEVARD KUW		st Creek	18	MH 72		Blockage - Grease and Debris	325	4.5	N/A	BA/Grease Control	12 Months
4/7/2011		BUFFAT MILL ROAD LC		st Creek	18		BBU	Blockage - Roots	300	4	N/A	BA	12 Months
12/10/2011 1/7/2011			-	ims Creek	19	Residential Grinder Pump Lateral Cleanouts at 2522, 2524, 2526 & 2528 E. Fifth Avenue		Construction Failure - Grinder Pump Reinstated Blockage - Grease	10 900	2	N/A N/A	Repair Completed BA/Grease Control	N/A 12 Months
5/9/2011				ims Creek		MH 5-1		Blockage - Grease and Debris	540,000	24	N/A	BA/Grease Control	12 Months
8/22/07				ims Creek		MH 8		The sewer main was flushed to remove the blockage caused by grease.	540	6	Construction Completed	B A / Grease Control	12 Months
1/8/2011			_	ims Creek		MH 8-1		Blockage - Grease	760	1.5	N/A	BA/Grease Control	12 Months
2/22/03	203	CHILHOWEE DR LC	Love	es Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	1800	3	Future Construction Planned	BA	12 Months
9/25/06	203	S. CHILHOWEE DRIVE LC	Love	es Creek	20	MH 25		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	2160	6	Future Construction Planned	BA	12 Months
5/28/08	203	S. CHILHOWEE DRIVE LC	Love	es Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	16	0.5	Future Construction Planned	N/A	N/A
1/6/09		SOUTH CHILHOWEE DRIVE LC	Love	es Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	6,100	12 🗸	Future Construction Planned	N/A	N/A
2/14/10	302	LINGBURTON AVENUE LC	Love	es Creek	20	Lateral Cleanout		There was a mechanical failure of the residential grinder pump.	5	5	N/A	Repair Completed	N/A
2/4/08	516	NORTH BEAMAN STREET	Lov	es Creek	20	MH 61-8		The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall.	180	1	N/A	BA	6 Months
8/11/2011		NORTH BEAMAN STREET LC		es Creek	-	MH 61-8		Blockage - Roots	100	0.25	Construction Underway	BA	6 Months
4/24/2011		BONNIE VIEW AVENUE		es Creek	20	MH 74-8		Blockage - Roots and Grease, Influenced by Heavy Rainfall	50	2	N/A	BA/Grease Control	6 Months
10/15/09	4201	ASHEVILLE HIGHWAY LC	Love	es Creek	20	MH 34-23		Heavy rainfall in the area resulted in high flows in the sewer system.	50	0.5	Future Construction Planned	N/A	N/A
2/21/08	1057	SKYLINE DRIVE	1.00	e Crook	20	MH 47-15		The sewer main was physically cleaned and flushed to remove the blockage caused by debris and due to vandalism.	5	0.5	N/A	Repair Completed	N/A
2/21/08	-	RUTLEDGE PIKE LC		es Creek es Creek	20	MH 47-15 Grinder Pump Failure		The commercial grinder pump station was repaired.	5	1	N/A	Repair Complete	N/A
.2.25/01			2010							· · · · · · · · · · · · · · · · · · ·			
2/13/08		RUTLEDGE PIKE LC		es Creek	20	Wetwell		The electrical breaker on the commercial grinder pump station was turned back on.	100	Unknown	N/A	Repair Completed	N/A
11/1/10		HOLSTON DRIVE LC	_	es Creek	20	Broken Force Main		The SSO was caused by a broken force main.	170	1.5	N/A	Repair Completed	N/A
2/16/2011		ASHEVILLE HIGHWAY LC	_	es Creek	20	MH 11-3 Force Main		Blockage - Roots The force main was damaged during installation of an electric pole.	2,300	3	N/A N/A	Repair Completed	N/A N/A
8/12/09	5745	SANDIS LANE LC	LOVE	es Creek	20	Force Main		The force main was damaged during installation of an electric pole.	5,240	1		Repair Completed	
1/24/10	5760	SANDIS LANE LC	Love	es Creek	20	Influent Structure		There was a temporary electrical power failure at the WWTP during a high rainfall event.	190000	0.75	N/A	N/A	N/A
4/21/2011	4505	MIDDLEBROOK PIKE KUW	V Thir	rd Creek	21	MH 16-48 & 2 Unnamed Manholes		Rainfall in the area produced I & I and high flows in sewer mains.	72,000	6	Future Construction Planned	N/A	N/A
3/11/08	4623	WEBB LANE KUW	V Thir	rd Creek	21	Lateral Cleanout		The sewer lateral was flushed to remove the blockage caused by debris.	180	1	N/A	Repair Completed	N/A
6/26/09	4000	LANDBROOK DRIVE KUW	Thi	rd Creek	21	MH 27-6		The sewer main was flushed to remove the blockage caused by roots, grease and debris.	153	1.5	N/A	BA/Grease Control	3 Months
7/30/08		LANCE DRIVE KUW		rd Creek	21	MH 127-5 MH 10-85		The sewer main was flushed to remove the blockage caused by roots, greate and debris.	4,900	24	N/A	BA	6 Months
11/23/2011		LANCE DRIVE KUW		rd Creek	21	MH 10-85		Blockage - Roots	300	3	N/A	BA	6 Months
3/10/10	955	KNOXVILLE COLLEGE DRIVE KUW	V Thir	rd Creek	22	MH 6-78		The sewer main was flushed to remove the blockage casused by vandalism.	1250	1	N/A	BA	12 Months
4 17 10 0	1500							The sewer main was manually-cleaned and flushed to remove the blockage caused by			N/A	BA	12 Months
1/7/08 11/17/2011		LOUISIANA AVENUE KUW TENNESSEE AVENUE KUW		rd Creek rd Creek	22 22	Abandoned Lateral 2 Lateral Cleanouts		heavy debris.	6,800 900	4	N/A	BA	12 Months
11/12/09				rd Creek		MH 16-13		Blockage - Debris, Influenced by Heavy Rainfall The sewer main was flushed to remove the blockage caused by roots.	310	1	N/A	BA	6 Months
								The sewer main was flushed to remove the blockage caused by debris and influenced by	60	1.5	N/A	BA	6 Months
2/5/10		BRAGG STREET KUW		rd Creek	22	MH 21-123		heavy rainfall.					
10/27/06 9/28/09		MYNDERS AVENUE KUW MYNDERSE AVENUE KUW	_	d Creek	22 22	MH 18-3 MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by grease.	5100 1,000	5 ✓ 1	Future Construction Planned N/A	BA BA/Grease Control	6 Months 3 Months
2/2/10		MYNDERSE AVENUE KUW		rd Creek	22	MH 18-3		Rainfall in the area produced I & I and high flows in sewer mains.	1000	1 ✓	Future Construction Planned	BAGlease Control	6 Months
2/5/10				rd Creek		MH 18-3		Rainfall in the area produced I & I and high flows in sewer mains.	11500	8 🗸	Future Construction Planned	BA	6 Months
								The sewer main was flushed to remove the blockage caused by grease and influenced by	50	1 🖌	Future Construction Planned	BA	6 Months
8/16/10		MYNDERSE AVENUE KUW		rd Creek	22	MH 18-3		heavy rainfall.					
2/15/10 8/15/2011		THIRTEENTH STREET KUW SIXTEENTH STREET KUW		ond Creek	23 23	Broken Sewer MH 21-177		There was a collapsed portion of the sewer main. Blockage - Debris	100 200	1	N/A N/A	Repair Completed BA/Grease Control	N/A 12 Months
2/20/09				ond Creek		MH 21-33		The sewer main was flushed to remove the blockage caused by grease.	255	1	N/A	BA/Grease Control	6 Months
1/26/2011		SIXTEENTH STREET KUW	V Seco	ond Creek	23	MH 21-33		System Failure - Broken Gravity Main	700	1.5	Construction Completed	N/A	N/A
3/1/2011	411	WEST BAXTER AVENUE KUW	V Seco	ond Creek	23	MH 49		Rainfall in the area produced I & I and high flows in sewer mains.	800,000	4	Future Construction Planned	N/A	N/A
5/3/10	601	ARTHUR STREET KUW	V Seco	ond Creek	23	MH 19-132		The sewer main was flushed to remove the blockage caused by grease and influenced by heavy rainfall.	360	2	N/A	BA	6 Months
8/12/09				ond Creek		MH 28-14, 28-1, & 28 and Subsurface		The sewer main was flushed to remove the blockage caused by grease.	unknown	unknown	Future Construction Planned	N/A	N/A
8/4/2011	701	WORLDS FAIR PARK DRIVE KUW		ond Creek		MH 19-9		Blockage - Debris	300	2	Construction Completed	N/A	N/A
6/7/2011				ond Creek		MH 19-189]	Blockage - Debris	5,550	1.5	N/A	BA/Grease Control	12 Months
5/19/10 1/11/09				ond Creek		MH 35-56 Undesignated MH		The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by roots.	35 75	2	N/A N/A	BABA	6 Months 6 Months
1/11/09	1110	KUW		OICCN	20			There was a partial blockage in the sewer main caused by a broken pipe and influenced by		-			
8/16/10	1104	MCCALLA AVENUE KUW	V Firs	st Creek	24	MH 11-1		heavy rainfall.	1000	2	N/A	Repair Completed	N/A
1/29/09		EAST FIFTH AVENUE KUW		st Creek	24	MH 29-2		The sewer main was flushed to remove the blockage caused by debris.	765	1.5	N/A	BA	12 Months
3/28/08		EAST FIFTH AVENUE KUW		st Creek		Leaking Pipe		The leaking pipe was repaired.	Unknown	Unknown	N/A	Repair Completed	N/A
9/5/2011 11/30/10		JEFFERSON AVENUE KUW JEFFERSON AVENUE KUW		st Creek	24	MH 25-18, Lateral Cleanout, Lateral Cleanout Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	2,700	5 ✓	Future Construction Planned	N/A N/A	N/A
11/30/10		JEFFERSON AVENUE KUW		st Creek st Creek	24	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	180 50	3	Construction Completed Future Construction Planned	N/A N/A	N/A N/A
6/14/2011		E FIFTH AVENUE KUW		st Creek	24	Broken Gravity Main		System Failure - Broken Gravity Main	7,800	2.5	Repair Completed	N/A N/A	N/A N/A
2/28/2011	2102	WASHINGTON AVENUE KUW	V Firs	st Creek	24	MH 25-114		Rainfall in the area produced I & I and high flows in sewer mains.	190,000	4	Future Construction Planned	N/A	N/A
3/17/10		MARTIN LUTHER KING JR DRIVE KUW			24	MH 6-152 & Privately Owned MH		The sewer main was flushed to remove the blockage caused by debris.	530	0.5	N/A	BA	6 Months
2/15/2011 2/16/2011				st Creek Ims Creek		MH 6-154 Abandoned Lateral Cleanout		Blockage - Grease Blockage - Debris	30 500	1.5	N/A N/A	BA	6 Months 6 Months
7/7/2011				ims Creek		MH 31		Blockage - Grease, Debris, Influenced by Heavy Rainfall	500	1	N/A	BA/Grease Control	3 Months
								The sewer main was flushed to remove the blockage caused by roots and influenced by		1	N1/A		
1/24/10				ms Creek			BBU	heavy rainfall.	1000	1	N/A	BA	6 Months
6/18/08				ims Creek		Leaking Pipe		There was a leak in the sewer main.	5	3	N/A	Repair Completed	N/A
2/28/2011 5/6/08				ims Creek		MH 2 MH 4-103		Rainfall in the area produced I & I and high flows in sewer mains. The sewer main was flushed to remove the blockage caused by debris.	720,000 115	4 ✓ 0.25	Future Construction Planned	N/A BA	N/A 6 Months
6/24/09				ims Creek		MH 4-103 MH 4-103 and Lateral Cleanout		The sewer main was flushed to remove the blockage caused by debits.	344	1	<u>N/A</u> N/A	BA BA/Grease Control	6 Months 12 Months
9/7/2011				ims Creek		MH 4-2		Blockage - Grease, Influenced by heavy rainfall.	5,400	12	N/A	BA/Grease Control	12 Months
11/12/2011	1017	ANDES ROAD LC	Love	es Creek	26	MH 72-152		Blockage - Grease	250	2	N/A	BA/Grease Control	12 Months
2/24/2011				es Creek		Lateral Cleanout		Blockage - Grease	30	1	N/A	BA/Grease Control	12 Months
11/5/09 2/28/2011				es Creek	26	MH 72-134 MHs 72 &75		The sewer main was flushed to remove the blockage caused by roots. Rainfall in the area produced I & I and high flows in sewer mains.	260	1	N/A Future Construction Planned	BA N/A	6 Months N/A
6/29/2011				es Creek es Creek		MHS /2 &/5 MH 72		Rainfall in the area produced I & I and high flows in sewer mains.	295,000 200	3 × 1 ×	Future Construction Planned	N/A N/A	N/A N/A
1/20/2011				es Creek		Air Release Valve		System Failure - Air Release Valve Failure	200	0.5	N/A	Repair Completed	N/A
3/9/2011	5405	GREEN VALLEY DRIVE LC	Love	es Creek	26	Air Release Valve		System Failure - Air Release Valve Failure	150	1 🗸	N/A	Repair Completed	N/A
3/2/2011	5508	GREEN VALLEY DRIVE LC	Love	es Creek	26	Broken Pipe		System Failure - Broken Force Main	2,025	1 🗸	N/A	Repair Completed	N/A
5/3/10	5816	HOLSTON HILLS ROAD	10/	es Creek	26	MH 104-4/BBU E	BBU	The SSO/BBU was caused by temporary electrical failure during high rainfall event.	940	1.5	N/A	Repair Completed / BA	12 Months
L									· · ·	I I)5141

Date S	street # Street	Plant	Watershed	Basin Overflow Loca	Private Propert Locatio	erty	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
3/10/2011	600 NORTH GALLAHER VIEW ROAD		Fourth Creek				Rainfall in the area produced I & I and high flows in sewer mains.	468,000	39 🗸	Current 5 Year Plan	N/A	N/A
2/21/08 2/18/08	1105 PARK HILL CIRCLE 1463 EAST WEISGARBER ROAD	FC FC	Fourth Creek Fourth Creek	27 MH 49-87 27 Leaking Pipe			The sewer main was flushed to remove the blockage caused by grease. The sewer main joint was repaired.	145 10	2	N/A N/A	BA/Grease Control Repair Completed	6 Months N/A
2/23/2011	1932 OLD AMHERST ROAD	-	Fourth Creek	27 Lateral Clean			Blockage - Grease	3,000	4	Current 5 Year Plan	BA/Grease Control	12 Month
3/1/2011	1940 OLD AMHERST ROAD		Fourth Creek	27 MH 22-117	7		Rainfall in the area produced I & I and high flows in sewer mains.	50	1	Current 5 Year Plan	N/A	N/A
11/23/2011 9/30/08	5525 LONAS DRVIE 5915 CASEY DRIVE		Fourth Creek Fourth Creek	27 MH 9-21 27 MH 22-8			Blockage - Grease The sewer main was flushed to remove the blockage caused by grease and roots.	40 375	0.25	N/A N/A	BA/Grease Control BA/Grease Control	6 Months 6 Months
9/10/04	409 NORTH BELLEMEADE AVE	KUW		28 MH 3-53			The sewer main was flushed to remove the blockage caused by grease and rocks.	180	1 1	Construction Completed	BA/Grease Control	1 Month
9/24/04	409 NORTH BELLEMEADE AVE	KUW		28 MH 3-53			Heavy rainfall in the area resulted in high flows in the collection system.	75	1.25 🗸	Construction Completed	BA	1 Month
10/19/04	409 NORTH BELLEMEADE AVE	KUW	Third Creek	28 Underground			The sewer main was flushed to remove the blockage caused by grease. Heavy rainfall in the area resulted in high flows in the collection system.	2805	27 ✓ 22 ✓	Construction Completed	BA/Grease Control	1 Month
12/9/04 7/28/08	409 NORTH BELLEMEADE AVE 409 NORTH BELLEMEADE AVENUE	KUW	Third Creek Third Creek	28 MH 3-53 28 MH 3-53			Heavy rainfall in the area resulted in high flows in the collection system.	2640 300	22 ✓ 1	Construction Completed N/A	BA Repair Completed	1 Month N/A
3/24/2011	409 NORTH BELLEMEADE AVENUE		Third Creek	28 MH 3-53			Rainfall in the area produced I & I and high flows in sewer mains.	300	1	Future Construction Planned	N/A	N/A
						Т	he sewer main was flushed to remove the blockage caused by debris and the protruding	50	1	N/A	Repair Completed/BA	6 Months
3/8/10	1904 SANDERSON ROAD	KUW	Third Creek	28 MH 16-27			lateral was trimmed.					
11/4/08	3413 PILKAY ROAD	KUW	Third Creek	28 MH 8-1			The sewer main was flushed to remove the blockage caused by grease and debris.	5,320	1	Construction Completed	N/A	N/A
12/7/08	4209 LAMOUR DRIVE			28 MH 16-16			The sewer main was flushed to remove the blockage caused by roots.	30	2	N/A	BA	6 Months
4/5/2011 10/25/10	4228 CROSBY DRIVE 4509 PAPERMILL DRIVE	KUW KUW	Third Creek Third Creek	28 MH 27-3 28 MH 31			Blockage - Roots The sewer main was flushed to remove the blockage caused by debris.	75 500	0.5	N/A N/A	BA	6 Months 6 Months
7/13/10	4605 CROSBY DRIVE	KUW	Third Creek	28 Lateral Clean	out		The sewer main was flushed to remove the blockage caused by roots and grease.	1450	2	N/A	BA	6 Months
11/24/09	601 S. CONCORD STREET	KUW	Third Creek	29 MH 8-10			The sewer main was repaired to remove a collapsed section of sewer main.	60	1	N/A	BA/Grease Control	12 Months
7/15/10 6/28/10	2201 HIGHLAND AVENUE 2911 JERSEY AVENUE	KUW KUW	Third Creek Third Creek	29 MH 9-29 29 MH 8-30			The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by roots.	100 3,200	24	N/A Construction Underway	BA	12 Months 3 Months
12/3/08	3413 KINGSTON PIKE	KUW	Third Creek	29 Broken Pip	e		There was a collapsed pipe on an undesignated sewer main.	200	10	Future Construction Planned	N/A	N/A
2/15/2011	3413 KINGSTON PIKE	KUW	Third Creek	29 Temporary Sewe	er Main		Construction Failure - A Failed Connection at a Temporary System was Repaired.	25	1	N/A	Repair Completed	N/A
5/25/09 9/6/08	1800 MIDDLEBROOK PIKE 301 E CHURCH AVENUE	KUW	Third Creek First Creek	29 MH 38 30 MH 10-11			The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris.	162 1,438	8	N/A N/A	BA/Grease Control BA	3 Months 12 Months
8/16/10	815 SOUTH CENTRAL STREET	KUW	First Creek	30 MH 3-7			Rainfall in the area produced I & I and high flows in sewer mains.	250	0.5	Current 5-Yr Plan	N/A	N/A
2/28/2011	815 SOUTH CENTRAL STREET	KUW	First Creek	30 MH 3-7			Rainfall in the area produced I & I and high flows in sewer mains.	100	8	Future Construction Planned	N/A	N/A
4/16/2011 7/7/2011	2004 RIVERSIDE DRIVE 2004 RIVERSIDE DRIVE		Williams Creek Williams Creek				Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	2,000	1 ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
						T	heir was a partial blockage in the sewer main caused by roots and influenced by heavy	E	1	Future Construction Planned	BA	12 Months
9/26/10 9/6/10	906 BATHURST ROAD 8083 KINGSTON PIKE	FC FC	Fourth Creek	32 MH 4-23 32 MH 9-4			rainfall The sewer main was damaged during a gas main installation.	24000	19			
9/6/10	120 MORRELL ROAD	-	Fourth Creek Fourth Creek	32 MH 9-4 33 MH 53-8			The sewer main was flushed to remove the blockage caused by grease.	24000 360	48	N/A N/A	Repair Completed B A / Grease Control	N/A 6 Months
11/9/08	120 MORRELL ROAD	FC	Fourth Creek	33 MH 53-8			The sewer main was flushed to remove the blockage caused by grease.	240	1	N/A	BA/Grease Control	6 Months
5/20/10	410 HASTINGS LANE	FC	Fourth Creek	33 MH 32-48			The sewer main was flushed to remove the blockage caused by roots.	200	1	N/A	BA	6 Months
3/26/09 3/10/10	6024 BROOKVALE LANE 6024 BROOKVALE LANE		Fourth Creek Fourth Creek	33 MH 15 33 MH 15			Heavy rainfall in the area resulted in high flows in the collection system.	90 Unknown	1 Unknown	Construction Completed Current 5-Yr Plan	N/A N/A	N/A N/A
2/15/2011	6140 KIRBURY LANE		Fourth Creek	33 MH 65-19			Rainfall in the area produced I & I and high flows in sewer mains. Blockage - Roots	10	1	N/A	BA	12 Month
12/3/10	100 LEBANON STREEET		Third Creek	34 Private Manh	ole		The SSO was caused by a broken manhole connection.	40	2	N/A	Repair Completed	N/A
4/14/2011 1/27/10	4418 KINGSTON PIKE 4611 KINGSTON PIKE		Third Creek	34 Lateral Clean 34 Broken Sewer			System Failure - Broken Gravity Main	10 1,000	2	N/A N/A	Repair Completed	N/A N/A
						٦	There was a collapsed portion of the sewer main. The sewer main was flushed to remove the blockage caused by debris and a protruding	290	1.4	Future Construction Planned	Repair Completed N/A	N/A N/A
4/17/10 9/6/2011	5011 KINGSTON PIKE 5011 KINGSTON PIKE	FC FC	Fourth Creek Third Creek	34 MH 58 34 MH 58			lateral was trimmed. Blockage - Debris, Influenced by Heavy Rainfall	2,000	5 ✓	Construction Completed	BA	6 Months
4/16/09	5032 LYONS VIEW PIKE			34 Residential Grinde	er Pump		There was an electrical failure of the commercial grinder pump.	510	6.5	N/A	Repair Completed	N/A
1/6/09	5103 KINGSTON PIKE						Heavy rainfall in the area resulted in high flows in the collection system.	5,600	11	Future Construction Planned	N/A	N/A
11/5/2011 10/6/08	846 HANSMORE PLACE 1211 ROCKY HILL ROAD	FC FC	Fourth Creek Fourth Creek	36 MH 3-325 36 MH 55			Blockage - Debris The sewer main was flushed to remove the blockage caused by grease and roots.	100 217	3	N/A N/A	BA BA/Grease Control	12 Months 6 Months
4/3/03	1215 ROCKY HILL RD	-	Fourth Creek	36 MH 55			The sewer main was flushed to remove the blockage caused by grease.	240	2	N/A	BA/Grease Control	12 Months
5/22/04	1215 ROCKY HILL RD		Fourth Creek	36 MH 55			The sewer main was flushed to remove the blockage caused by grease and roots.	120	1	N/A	BA/Grease Control BA	12 Months 6 Months
10/22/08	1224 MORRELL ROAD	FC	Fourth Creek	36 MH 56			The sewer main was flushed to remove the blockage caused by debris and pipe sags. he sewer main was flushed to remove the blockage caused by a collapsed manhole and the manhole was repaired.	60 4320	1.25	N/A N/A	Repair Completed	N/A
4/30/10 12/21/08	6712 DEANE HILL DRIVE 6902 S. NORTHSHORE DRIVE		Fourth Creek Fourth Creek	36 MH 3-176 36 MH 12-62			The sewer main was flushed to remove the blockage caused by debris.	360	1	N/A	BA	6 Months
10/26/09	6905 WESTLAND DRIVE		Fourth Creek				The sewer main was flushed to remove the blockage caused by roots.	4,745	2	Construction Completed	N/A	N/A
4/29/2011	6928 WESTLAND DRIVE	FC	Fourth Creek	36 Broken Gravity	Main	т	System Failure - Broken Gravity Main here was a process failure of a construction bypass pumping system. The process was	57,000	2	N/A	Repair Completed	N/A
10/16/09	7100 ROTHERWOOD DRIVE	FC	Fourth Creek	36 MH 33			restored	700	1.5	Construction Underway	N/A	N/A
1/25/10	7100 ROTHERWOOD DRIVE		Fourth Creek		& 36		Rainfall in the area produced I & I and high flows in sewer mains.	41575	36 🗸	Construction Completed	N/A	N/A
2/5/10	7104 ROTHERWOOD DRIVE		Fourth Creek				Rainfall in the area produced I & I and high flows in sewer mains.	51015	71 ✓	Construction Completed	N/A	N/A
1/12/09 11/13/02	7105 DULANEY WAY 7112 SHADYLAND DR		Fourth Creek Fourth Creek	36 MH 12-86 36 MH 36			The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by roots.	1,780 720	3.5 4 ✓	N/A Construction Underway	BABA	6 months 12 Months
3/9/03	7112 SHADYLAND DR		Fourth Creek	36 MH 36			The sewer main was flushed to remove the blockage caused by roots.	19,200	40 ✓	Construction Underway	BA	12 Months
9/23/06	7112 SHADYLAND DRIVE	FC	Fourth Creek	36 MH 36			Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and	4320	8	Construction Underway	ВА	6 Months
12/11/08	7112 SHADYLAND DRIVE			36 MH 36			high flows in the sewer mains. Heavy rainfall in the area resulted in high flows in the collection system.	62	1	Construction Underway	BA	6 Months
1/6/09	7112 SHADYLAND DRIVE		Fourth Creek				Heavy rainfall in the area resulted in high flows in the collection system.	17,300	24	Construction Underway	BA	6 Months
9/5/02	7712 SHADYLAND DR		Fourth Creek	36 MH 36			The sewer main was flushed to remove the blockage caused by roots.	180	3 ✓	Construction Underway	BA	12 Months
9/23/06	1500 LYONS BEND DRIVE	FC	Fourth Creek	37 Influent Struc	ure		Plant influent gate was partially closed to prevent damage to critical plant equipment by high flows.	489000	2.88	N/A	Changes to SOP and Operator Training	N/A
6/17/04	1500 LYONS BEND RD (4TH CREEK)	FC	Fourth Creek	37 PRIM. CLARS. 3,	4,5&6		WTP/Four primary clarifiers were taken out-of-service to increase the organic loading to the aeration basins. Heavy influent flows due to rainfall exceeded the process hydraulic capacity. The reserve tanks were returned to service.	2000	0.58	N/A	Changes to SOP and Operator Training	N/A
						N	/WTP/There was a mechanical failure of a hydraulic system that resulted in a temporary		4	N/A	Repair Completed	N/A
9/22/04 11/24/04	1500 LYONS BEND RD (4TH CREEK) 1500 LYONS BEND RD (4TH CREEK)	FC	Fourth Creek Fourth Creek	37 Influent Struc 37 Influent Struc			influent gate closure. Heavy influent flows caused a momentary automated gate closure.	102,483 250	0.5 0.007 ✓	N/A	Changes to SOP and Operator Training	N/A
12/9/04	1500 LYONS BEND RD (4TH CREEK)		Fourth Creek				Heavy rainfall in the area resulted in high flows in the collection system.	113,590	1.83	N/A N/A	N/A	N/A
12/9/04	1500 LYONS BEND RD (4TH CREEK)	FC	Fourth Creek	37 Tank Overfle		V	VWTP/The aeration splitter box overflowed due to excessive wet weather flows through the WWTP.	29,123	2.67	N/A	N/A	N/A
12/9/04	1500 LTONS BEND RD (41H CREEK)				JW		During a rain-induced high influent flow event, plant personnel took immediate actions to increase the rate of effluent discharge which allowed the influent gate to be reopened			N/A	N/A	N/A
3/28/05	1500 LYONS BEND RD (4TH CREEK)		Fourth Creek	37 Influent Struc			without jeopardizing plant equipment or processes.	50,410	2 ✓	N1/A	Danais Camplete	NI/A
6/7/07	1500 LYONS BEND ROAD		Fourth Creek				There was a leak from a valve on a sludge line.	25	0.58	N/A	Repair Complete	N/A
9/26/09	1500 LYONS BEND ROAD	FC	Fourth Creek	37 Influent Struc	lure	_	There was an electrical failure at the plant. Electrical power was restored to the plant.	40,000		N/A	Changes to SOP and Operator Training	N/A
12/9/09	1500 LYONS BEND ROAD	FC	Fourth Creek	37 Influent Struc			There was an electrical failure at the plant. Electrical power was restored to the plant.	480,000	0.45 🗸	N/A	Repair Complete	N/A
1/24/10	1500 LYONS BEND ROAD		Fourth Creek		SS Wetwell		Rainfall in the area produced I & I and high flows in sewer mains.	74000	1.62	Future Construction Planned	N/A	N/A
12/1/10 1/1/2011	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD		Fourth Creek Fourth Creek		/etwell		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	1840000 380,000	11.5 2.82 ✓	Future Construction Planned CCP	N/A N/A	N/A N/A
2/28/2011	1500 LYONS BEND ROAD	FC	Fourth Creek	37 MH 1			Rainfall in the area produced I & I and high flows in sewer mains.	590,000	5.75 🗸	CCP	N/A	N/A
3/9/2011	1500 LYONS BEND ROAD		Fourth Creek				Rainfall in the area produced I & I and high flows in sewer mains.	160,000	2.38 ✓ 2.82 ✓	CCP CCP	N/A N/A	N/A N/A
4/10/2011	1500 LYONS BEND ROAD	FU	Fourth Creek	MH1			Rainfall in the area produced I & I and high flows in sewer mains.	350,000	2.02 ¥	UUP	IN/A OOF	5142 N/A

Date	Street # Street	Plant	Watershed	Basin Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours) Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
4/28/2011 9/5/2011	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD		Fourth Creek Fourth Creek	37 MH 1 37 MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	680,000 1,240,000	5.82 ✓ 17.35 ✓	CCP CCP	N/A N/A	N/A N/A
11/28/2011	1500 LYONS BEND ROAD	-		37 MH 1		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	398,650	6.42 ✓	CCP	N/A N/A	N/A
8/27/10	1700 EVENING SHADE LANE		Fourth Creek	37 Broken Force Main		The SSO was caused by a broken force main.	10	3	N/A	Repair Completed	N/A
4/29/2011 1/18/10	1704 POLKWRIGHT LANE 1712 POLKWRIGHT LANE		Fourth Creek Fourth Creek	37 Grinder Pump 37 Residential Grinder Pump		Grinder Pump Failure There was an electrical failure of the residential grinder pump.	5	0.25	N/A N/A	Repair Completed Repair Completed	N/A N/A
3/12/2011	1712 POLKWRIGHT LANE		Fourth Creek	37 Residential Grinder Pump		Grinder Pump Failure	5	1	N/A	Repair Completed	N/A
3/13/2011	1716 POLKWRIGHT LANE			37 Residential Grinder Pump		Grinder Pump Failure	5	1	N/A	Repair Completed	N/A
3/2/08 6/24/2011	1720 POLKWRIGHT LANE 1722 POLKWRIGHT LANE		Fourth Creek Fourth Creek	37 Wetwell 37 Grinder Pump		The mechanical failure of the residential grinder pump was repaired. Grinder Pump Failure	5	0.08	N/A N/A	Repair Completed Repair Completed	N/A N/A
5/9/2011	1728 POLKWRIGHT LANE	FC	Fourth Creek	37 Grinder Pump		Grinder Pump Failure	5	1	N/A	Repair Completed	N/A
1/1/2011 4/16/2011	5011 KINGSTON PIKE 6410 S NORTHSHORE DRIVE		Fourth Creek Fourth Creek	37 MH 58 37 MH 8		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	600 19,000	<u>3</u> ✓	Construction Completed	N/A N/A	N/A N/A
4/28/2011	6410 S NORTHSHORE DRIVE		Fourth Creek	37 MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	8,700	<u> </u>	Future Construction Planned Future Construction Planned	N/A N/A	N/A
9/6/2011	6410 S NORTHSHORE DRIVE			37 MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	13,000	1 🗸	Future Construction Planned	N/A	N/A
9/25/06	6410 S. NORTHSHORE DRIVE	FC	Fourth Creek	37 MH 8		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	304380	6	Construction Completed	N/A	N/A
2/19/10	6410 SOUTH NORTHSHORE DRIVE			37 MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	Future Construction Planned	N/A	N/A
3/17/2011	6410 SOUTH NORTHSHORE DRIVE	KUW	Fourth Creek	37 MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown 🗸	Future Construction Planned	N/A	N/A
3/17/02	FOURTH CREEK WWTP	FC	Fourth Creek	37 Influent Structure		Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass.	1,916,000	2 🗸	N/A	Repair Completed	N/A
3/18/02	FOURTH CREEK WWTP	FC	Fourth Creek	37 Influent Structure		During high flow conditions, valve operations deemed necessary by operator to control	134,000	0.13 🗸	N/A		N/A
4/19/02		FC	Fourth Crook	37 Influent Structure		flow into the WWTP resulted in an inadvertent overflow.	560.000	2 1	N/A	Changes to SOP and Operator Training	N/A
4/19/02	FOURTH CREEK WWTP	FC	Fourth Creek	37 Influent Structure		The influent gate experienced a mechanical failure of the hydraulic operating system.	569,000	2 •	N/A	Repair Completed	N/A
2/15/03	FOURTH CREEK WWTP	FC	Fourth Creek	37 Influent Structure		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	136,000	2 🗸	N/A	Changes to SOP and Operator Training	N/A
						During high flow conditions, valve operations deemed necessary by operator to control					
2/16/03	FOURTH CREEK WWTP	FC	Fourth Creek	37 Influent Structure		flow into the WWTP resulted in an inadvertent overflow.	871,000	6	N/A	Changes to SOP and Operator Training	N/A
5/6/03	FOURTH CREEK WWTP	FC	Fourth Creek	37 Influent Structure		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	26,710	8.5	N/A	Changes to SOP and Operator Training	N/A
						Loss of electrical power to the plant during a severe storm resulted in a partial plant		1			
5/15/03	FOURTH CREEK WWTP	FC	Fourth Creek	37 Influent Structure		influent bypass.	1,500,000	3	N/A	N/A	N/A
7/9/03	FOURTH CREEK WWTP	FC	Fourth Creek	37 Influent Structure		Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass.	1,370,000	3.14	N/A	N/A	N/A
	l ook in cheek with					An electronic failure resulted in the shutdown of the influent pumps and the subsequent	1,010,000	v √			
12/11/03	FOURTH CREEK WWTP	FC	Fourth Creek	37 Influent Structure		closure of the influent gate.	48,650	0.33	N/A	Repair Completed	N/A
1/28/08	501 NOELTON DRIVE	киw	Third Creek	38 MH 50-7		The sewer main was flushed to remove the blockage caused by grease and debris.	180	1	N/A	Repair Completed	N/A
12/4/2011	520 CHEROKEE BOULEVARD	KUW		38 Broken Gravity Main		Blockage - Roots and Debris	3,500	1	N/A	BA	12 Months
5/25/2011	1917 CHEROKEE BOULEVARD	KUW		38 MH 25		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	Future Construction Planned	N/A	N/A
5/10/09 5/2/2011	3560 TALAHI DRIVE 3604 HILLVALE CIRCLE	KUW		38 Lateral Cleanout 38 MH 1-115		The sewer main was flushed to remove the blockage caused by debris. Rainfall in the area produced I & I and high flows in sewer mains.	140 100	<u> </u>	N/A Future Construction Planned	BA N/A	12 Months N/A
1/31/2011	4216 VALENCIA ROAD	KUW	Third Creek	38 MH 49-9		Blockage - Roots	65	2	N/A	BA	6 Months
3/7/2011	4420 ALTA VISTA WAY	KUW		38 Broken Pipe		Blockage - Debris, Influenced by Heavy Rainfall	13,000	2	N/A	BA	12 Months
2/28/2011	113 DRINNEN AVENUE		South Knoxville	39 MHs 28-26 & 28-27		Rainfall in the area produced I & I and high flows in sewer mains.	600	2	Future Construction Planned	N/A	N/A
3/19/2011 2/6/08	123 INGERSOLL AVENUE 200 AVENUE C		South Knoxville	39 Lateral Cleanout 39 MH 40-27 & BBU		Blockage - Debris The sewer main was flushed to remove the blockage caused by grease.	12 480	2	N/A N/A	BA BA/Grease Control	6 Months 6 Months
7/7/05	428 MARYVILLE PIKE		South Knoxville	39 MHs 29-2 & 30		Heavy rainfall in the area resulted in high flows in the collection system.	12,240	2 1	Construction Completed	BA	12 Months
12/1/04	436 MARYVILLE PIKE		South Knoxville	39 MH 30		Heavy rainfall in the area resulted in high flows in the collection system.	540	2 🗸	Construction Completed	BA	12 Months
5/20/05 1/17/06	436 MARYVILLE PIKE 436 MARYVILLE PIKE		South Knoxville South Knoxville	39 MH 29-2 39 MH 29-2		Heavy rainfall in the area resulted in high flows in the collection system.	480 3600	2 ✓ 4.75 ✓	Construction Completed Construction Completed	BABA	12 Months 12 Months
4/8/06	436 MARYVILLE PIKE		South Knoxville	39 MH 29-2 39 MH 29-2		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	360	4:75 V 1 ✓	Construction Completed	BA	12 Months
4/22/06	436 MARYVILLE PIKE		South Knoxville	39 MHs 29-2 & 30		Heavy rainfall in the area resulted in high flows in the collection system.	26600	6 🗸	Construction Completed	BA	12 Months
9/23/06	436 MARYVILLE PIKE	киw	South Knoxville	39 MHS 29-2 & 30		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and	71904	16 🗸	Construction Completed	BA	12 Months
2/6/04	438 MARYVILLE PIKE	KUW	South Knoxville	39 MH 30		high flows in the sewer mains. Heavy rainfall in the area resulted in high flows in the collection system.	60,000	22.5 🗸	Construction Completed	BA	12 Months
3/6/04	438 MARYVILLE PIKE	KUW	South Knoxville			Heavy rainfall in the area resulted in high flows in the collection system.	1920	4 🗸	Construction Completed	BA	12 Months
6/25/04	438 MARYVILLE PIKE		South Knoxville			Heavy rainfall in the area resulted in high flows in the collection system.	867	4 🗸	Construction Completed	BA	12 Months
11/24/04 12/7/04	438 MARYVILLE PIKE 438 MARYVILLE PIKE		South Knoxville	39 MH 30 & 29-2 39 MH 30		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	7200 65	6 ✓ 2 ✓	Construction Completed Construction Completed	BA	12 Months 12 Months
12/9/04	438 MARYVILLE PIKE		South Knoxville	39 MH 29-2 & 30		Heavy rainfall in the area resulted in high flows in the collection system.	636,990	24 🗸	Construction Completed	BA	12 Months
2/21/05	438 MARYVILLE PIKE	KUW	South Knoxville	39 MH 30		Heavy rainfall in the area resulted in high flows in the collection system.	5040	21 ✓	Construction Completed	BA	12 Months
3/28/05	438 MARYVILLE PIKE		South Knoxville			Heavy rainfall in the area resulted in high flows in the collection system.	32	2 🗸	Construction Completed	BA	12 Months
4/2/05	438 MARYVILLE PIKE	KUW	South Knoxville	39 MH 30		Heavy rainfall in the area resulted in high flows in the collection system. The event was related to a partial failure of the pump-around process during a sewer	225	4 🗸	Construction Completed	BA	12 Months
9/8/08	438 MARYVILLE PIKE	KUW	South Knoxville	39 MHs 27-1, 27-2 & Leaking Pipe		replacement project.	1,570	12	Construction Completed	Repair Completed	N/A
10/22/08	438 MARYVILLE PIKE	KI DAZ	South Knoxville	39 MH 27-2		The bypass pump was damaged and parts were removed overnight due to vandalism.	100,000	8	Construction Completed	Repair Completed	N/A
2/16/2011	438 MARYVILLE PIKE 512 FLENNWOOD WAY		South Knoxville			Blockage - Grease and Debris	3,200	3	N/A	BA/Grease Control	6 Months
3/29/2011	702 REDWINE STREET	KUW	South Knoxville	39 MH 5		Construction Failure - Bypass Pump Failure	100	0.25	N/A	Repair Completed	N/A
3/6/09	751 INGERSOLL AVENUE	-	South Knoxville	39 MH 4-13		The sewer main was flushed to remove the blockage caused by grease and roots.	405	6	N/A	BA/Grease Control	6 months
10/20/09 2/17/2011	850 TALLEY HO DRIVE 850 TALLY HO DRIVE		South Knoxville South Knoxville			The sewer main was flushed to remove the blockage caused by roots. Blockage - Grease and Roots	1,870 150	2	N/A N/A	BA BA/Grease Control	6 Months 9 Months
2/1//2011		ROW	South Khokville	101102-21		The sewer main was flushed to remove the blockage caused by debris and was influenced					3 101113
1/6/09	1233 MARYVILLE PIKE	KUW	South Knoxville	39 MH 27-115		by heavy rainfall.	15,000	14.75 🗸	Future Construction Planned	N/A	N/A
5/15/09	1233 MARYVILLE PIKE	KIIW	South Knoxville	39 MH 27-115		The sewer main was flushed to remove the blockage caused by construction debris.	22	1 🗸	N/A	BA	6 Months
5/15/05		ROW	South Khokville	38 WII127-113		The sewer main was hadred to remove the biologe stated by construction deshis.			.		
7/5/10	3808 WEST BLOUNT AVENUE		South Knoxville			The sewer main was flushed to remove the blockage caused by grease and debris.	13000	24	Shortline project to repair line in area	NA	NA
7/10/03 7/14/03	3821 W BLOUNT AVE 3821 W BLOUNT AVE		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.	1200	5 ✓ 1 ✓	Construction Completed Construction Completed	BA BA	12 Months 12 Months
4/21/06	4411 CYPRESS LANE		South Knoxville	39 MH 29-2 39 MH 62-21		The sewer main was flushed to remove the blockage caused by roots and debris.	60 225	3	N/A	BA	3 Months
3/8/03	4411 CYPRESS LN		South Knoxville			The sewer main was flushed to remove the blockage caused by roots and dons.	1440	8	N/A	BA	12 Months
5/6/03	MARYVILLE PIKE & BLOUNT AVE	KUW	South Knoxville	39 MH 29-2 & 30		Heavy rainfall in the area resulted in high flows in the collection system.	5640	47 🗸	Construction Completed	BA	12 Months
3/7/2011	243 GILBERT LANE		South Knoxville			Blockage - Grease, Influenced by heavy rainfall. System Failure - Manhole Failure	5,000	2	N/A	BA/Grease Control	6 Months
1/24/2011 4/13/01	500 MIMOSA AVENUE 614 SEVIER AVE		South Knoxville South Knoxville	40 MH 1-85 40 MH 1-43	1	System Failure - Mannole Failure The sewer main was flushed to remove the blockage caused by debris.	10,000 1200	5 1 ✓	N/A Construction Completed	Repair Completed BA/Grease Control	N/A 3 Months
11/10/03	614 SEVIER AVE		South Knoxville	40 MH 1-43		The sewer main was flushed to remove the blockage caused by debits.	240	0.5 ✓	Construction Completed	BA/Grease Control	3 Months
3/19/02	615 SEVIER AVE		South Knoxville	40 MH 1-43	BB	The sewer main was flushed to remove the blockage caused by grease and debris.	5000	8 🗸	Construction Completed	BA/Grease Control	3 Months
5/19/03	615 SEVIER AVE		South Knoxville			The sewer main was flushed to remove the blockage caused by debris.	300	3 🗸	Construction Completed	BA/Grease Control	3 Months
						The sewer main was flushed to remove the blockage caused by debris during heavy			· · · · · · · · · · · · · · · · · · ·		
12/10/08	615 SEVIER AVENUE		South Knoxville	40 MH 1-43 & BBU		rainfall.	615	3	Construction Completed	BA/Grease Control	3 Months
6/15/09 2/28/2011	900 GERTRUDE AVENUE 1127 EAST MOODY AVENUE		South Knoxville South Knoxville			The sewer main was flushed to remove the blockage caused by roots and debris. Rainfall in the area produced I & I and high flows in sewer mains.	60 600	0.5	N/A Future Construction Planned	BA N/A	6 Months
LILUILUII		1.000	South KHOXVIIIE		I		000	-		005	5143

	Date Str	Street # Street	Plant Watershed	Basin Overflow Location	Private Property Cause of SSO/KUB Response Location	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
										N/A
The Second Control Control <thcontro< th=""> Control <thcontrol< th=""></thcontrol<></thcontro<>							_			N/A N/A
Inst. Project Statistical Pr	-	1210 E MOODY AVE								N/A
No. No. <td>7/13/09</td> <td>1210 E MOODY AVENUE</td> <td>KUW South Knoxville</td> <td>40 MH 39</td> <td></td> <td></td> <td>1 🗸</td> <td>Future Construction Planned</td> <td>N/A</td> <td>N/A</td>	7/13/09	1210 E MOODY AVENUE	KUW South Knoxville	40 MH 39			1 🗸	Future Construction Planned	N/A	N/A
Loc. Disc des constant Disc d	9/23/06	1210 E. MOODY AVENUE	KUW South Knoxville	40 MH 39		8640	6 🗸	Future Construction Planned	N/A	N/A
	11/1/06	1210 E. MOODY AVENUE	KUW South Knoxville	40 MH 39	Heavy rainfall in the area resulted in high flows in the collection system.	720	4 ✓	Future Construction Planned	N/A	N/A
International Disk Disk <thdisk< th=""> Disk Disk</thdisk<>							-			N/A
										N/A N/A
No. 8 No. 8 <th< td=""><td></td><td></td><td></td><td></td><td>, , , , , , , , , , , , , , , , , , , ,</td><td></td><td>Ŷ</td><td></td><td></td><td>N/A</td></th<>					, , , , , , , , , , , , , , , , , , , ,		Ŷ			N/A
NUM Dig de Statistica MB Sign of MB Sign			KUW South Knoxville		Rainfall in the area produced I & I and high flows in sewer mains.		0.5 🗸			N/A
DND DND <thdnd< th=""> <thdnd< th=""> <thdnd< th=""></thdnd<></thdnd<></thdnd<>							÷			N/A
Network Network <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>N/A NA</td></t<>										N/A NA
19700 Model (1980) As As As As< As										NA
And by apply and by apply and by apply appl	11/28/2011				System Failure - Broken Gravity Main		2		Repair Completed	N/A
	9/23/06	3741 EAKERS ROAD	KUW South Knoxville	40 MHS 47 & 47-103		10560	8	Future Construction Planned	N/A	N/A
NAME ONE Dist Dist <thdist< th=""> <thdist< th=""> Dist <thdis< td=""><td>4/4/05</td><td>3741 EAKERS ST</td><td>KUW South Knoxville</td><td>40 MH 47-1</td><td></td><td>1.200</td><td>4 🗸</td><td>Future Construction Planned</td><td>N/A</td><td>N/A</td></thdis<></thdist<></thdist<>	4/4/05	3741 EAKERS ST	KUW South Knoxville	40 MH 47-1		1.200	4 🗸	Future Construction Planned	N/A	N/A
And Max Manual And Antipal And Antipal And Antipal Anti					Heavy rainfall in the area resulted in high flows in the collection system.		1 ✓	Future Construction Planned	N/A	N/A
NAME ONE Description ONE Description ONE Description ONE Description Add NAME ONE Description Add NAME NAME ONE Description										N/A
Date Date <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>N/A NA</td></th<>										N/A NA
No. No. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>NA</td>										NA
State Operation Op	12/1/10	3741 EAKERS STREET	KUW South Knoxville	40 MH 47	Rainfall in the area produced I & I and high flows in sewer mains.	1500		40A2 Trunkline Phase 2 to be built late 2011	NA	NA
Open Mark Open Mark <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>N/A</td></t<>										N/A
No. Part of Address (No.										N/A N/A
No. No. <td></td> <td></td> <td></td> <td></td> <td>Evidence indicates that the SSO occurred during the air test of a new main by a</td> <td></td> <td></td> <td></td> <td></td> <td>N/A</td>					Evidence indicates that the SSO occurred during the air test of a new main by a					N/A
Bit Bit <td></td> <td></td> <td></td> <td></td> <td>rehabilitation contractor.</td> <td></td> <td>-</td> <td></td> <td></td> <td></td>					rehabilitation contractor.		-			
							0.083			N/A 6 months
bit it Test Sulf Product Product 64 And And Product Produt		961 E FORD VALLEY ROAD					1.5			N/A
Low No Res Control (Control) No Res	6/17/2011	961 E FORD VALLEY ROAD	KUW Knob Creek	41 Pump Station			0.16	Future Construction Planned	N/A	N/A
LNN NI FLORE MULTING NI Provide Provide Norme Transmission Provide Norme Transmissin Provide Norme Transmissin Provide Norme Transmissin Provide N	9/23/06	961 E. FORD VALLEY ROAD	KUW Knob Creek	41 Pump Station Wetwell	high flows in the sewer mains.	9000				N/A
State State <th< td=""><td></td><td></td><td></td><td></td><td>pump station.</td><td>100</td><td></td><td></td><td></td><td>N/A N/A</td></th<>					pump station.	100				N/A N/A
Desc Desc <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>N/A</td></th<>										N/A
Job MI MI American							2			N/A
Loc Dot Non-Mark Non-M							10 🗸	Future Construction Planned	N/A	N/A
No. 10 Sectory Model Labor No. 56 (book labor	12/12/09	5227 MCNUTT ROAD	KUW Knob Creek	41 MH 96			1			6 Months
LTUDE Some Name Some Name Some Name Apple Nam										N/A
United United<	8/3/2011	5910 MEADOW OAKS LANE	KUW Knob Creek	41 Broken Force Main	System Failure - Broken Force Main		· · · · · · · · · · · · · · · · · · ·			N/A
Integr 019 SULVAIMULP INC. 0.01 1 M.M. (M/Gene Cherg) 0.01 1 M.M. (M/Gene Cherg) 0.01 1 M.M. (M/Gene Cherg) 0.01 1 1 M.M. (M/Gene Cherg) 0.01 1 M.M.M M.M.M.M M.M.M			KUW South Knoxville	41 Unnamed MH at Facility		294000		NA	Electricity was restored to station	NA
Solid Control										N/A
Process Order VLLP 11 Stromm Out Stromm Image: Stromm										6 months 6 Months
See VALUY UP FINDO NUM Rook cases 41 Present set parts plants outfined as a set set as a sectional barrers barrer and an input set. Construction of the set set as a set aset a							2 1			N/A
Sector Sector Auge Control All Whend The subscore frage space scale space spac										N/A
B300 FORD VLLPUT STRINK KUP KOP KAP How Construct Rules of the stars of the sta							3 ✓			N/A N/A
Image: Note of the stand Image: Note of the stand Applicable for the stand Applica	3/31/03	FORD VALLEY LIFT STATION	KUW Knob Creek	41 Wetwell	The wastewater pump station overflowed due to a mechanical failure at the station.	1500			N/A	N/A
2000 CR0 VLLLY LF STATION KW Res 4 Newset Newset<										N/A
Bits CPRD VLLEY LIT STATION KUM No. Vested Heary andle in he ara enabled in typi from s in the otheron system 300 1 - False Construction Penned NA 1940 792 MARSINUE STATION KUM Kude Construction Penned NA 64 A 64 10 1 - False Name NA 64 0 1 - False Name NA 64 0 1 66 0 1 66 0 NA 66 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 </td <td></td> <td></td> <td></td> <td></td> <td>wetwell.</td> <td>30</td> <td>0.17</td> <td></td> <td>N/A</td> <td>N/A N/A</td>					wetwell.	30	0.17		N/A	N/A N/A
1980 292 L/MSRSTN DRAFT C.F. Fund near the set of the set		FORD VALLEY LIFT STATION			Heavy rainfall in the area resulted in high flows in the collection system.	54.000	9 🗸	Future Construction Planned	N/A	
2400 8500 WESTLAND DRVE F00 Found Creek 42 Laking AV There was a leaktion archesse value on a high-pressue for a main. 225 1 - FAuse Constructor Prened NA 27209 8000 WESTLAND DRVE F0 Found Creek 42 Air Reseave Value There was a leaktion ar indexes value maintrocond registration 4130 1 - FLue Constructor Prened NA 21011 8400 WESTLAND DRVE F0 Found Creek 42 Air Reseave Value There was a leaktion ar indexes value maintrocond registration 100 1 - NA Registration 11/102011 2200 WODLAND ORES VELLANE F0 Found Creek 43 Researching failer There was a mechanica failer of the residefal antime runne. 71 904 Intermetty NA Registration 11/102011 2203 Strift RER Stort LARE F0 Found Creek 43 Researching failer of the residefal antime runne. 71 904 Intermetty NA Registration 11/102011 2203 Strift RER Stort LARE F0 Found Creek 43 Researching fail	3/6/04		KUW Knob Creek	41 Wetwell						N/A
P2200 B880 WEST.AND DRVE FC Fourh Creek 42 A Monses Valve There was an exhanced an evaluation of a SSO. 37 1 ✓ Fulze Construction Parmed NA Regarc 103/2011 1051, VORD BRVE FC Fourh Creek 4 Resident of fourh Parge Control Parme resulting in a SSO. 430 15 NA Regarc	6/25/04	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION	KUW Knob Creek KUW Knob Creek KUW Knob Creek	41 Wetwell 41 Wetwell 41 Wetwell	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	3000 11,520	1 × 4 ×	Future Construction Planned Future Construction Planned	N/A N/A	N/A
21210 8560 WESTAND RWE FC Fund Creek 42 Art relases value and unclosed resulting in a SSO. 413 1.5 NAA Regar Completed 10/20211 2502 WOOLAND RESERVE LANR FC Fourth Creek 4 Broken Franz 20 NAA Regar Completed 1 11/20211 2502 WOOLAND RESERVE LANR FC Fourth Creek 4 Broken Franz 20 NAA Regar Completed 1 3/1910 250 WOOLAND RESERVE LANR FC Fourth Creek 4 Broken Franz 20 NAA Regar Completed 1 3/1910 Sign Reserve Mark FC Fourth Creek 4 Broken Franz Fourth Creek 6 Regar Completed 1 NA Regar Completed	6/25/04 1/8/08	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE	KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1	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. The sewer main was flushed to remove the blockage caused by roots and debris.	3000 11,520 120	1 ✓ 4 ✓ 1	Future Construction Planned Future Construction Planned N/A	N/A N/A BA	N/A 6 Months
11/12/2011 22/201 VOOLAND RESERVEL LANE FC Fourh Creek 4.3 Breaden Group Main Status Term Completed Status Ter	6/25/04 1/8/08 2/4/09	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE	KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek FC Fourth Creek	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main.	3000 11,520 120 225	1 × 4 × 1 1 ×	Future Construction Planned Future Construction Planned N/A Future Construction Planned	N/A N/A BA N/A	N/A
T73:09 S212 IDENT REVER BOULEVARD FC FOUNT Creek 43 Residential Grinder Pump There was a mechanical faluer of the residential grinder pump. 741 S84 itemmitterity NA Repair Completed 3/01/10 S218 IEXT INVER BOULEVARD FC Fount Creek 43 Bestidential Grinder Pump was repaired. 16 1 NA Repair Completed 3/01/10 S218 IEXT INVER BOULEVARD FC Fount Creek 43 Bestidential Grinder Pump 18 1 NA Repair Completed 3/01/10 S218 IEXT INVER BOULEVARD FC Fount Creek 43 Bestidential Grinder Pump 18 1 NA Repair Completed 3/01/10 S241 IEXT INVER BOULEVARD FC Fount Creek 43 Residential Grinder Pump 14 44 NA Repair Completed 7/03/01 S241 IEXT INVER BOULEVARD FC Fount Creek 43 Residential Grinder Pump Fault 54 54 NA Repair Completed 7/03/01 S241 IEXT I	6/25/04 1/8/08 2/4/09 7/22/09 2/12/10	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE	KUW Knob Creek KUW Knob Creek FC Fourth Creek	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 42 Air Release Valve	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leaking air release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO.	3000 11,520 120 225 37	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Future Construction Planned Future Construction Planned N/A Future Construction Planned Future Construction Planned N/A	N/A N/A BA N/A N/A Repair Completed	N/A 6 Months N/A N/A N/A
31910 5218 DEX Description FC Fourth Creek 43 Residential Grinder Pump There was a mechanical failure of the residential grinder pump. 22 3 NA Residential 37408 5218 BENT RWCR BOULEVARD FC Fourth Creek 43 Metwell & BBU The mechanical failure of the residential grinder pump. 10 1 NA Regaric Completed 4/3710 523 BENT RWCR BOULEVARD FC Fourth Creek 43 Residential Grinder Pump. There was a mechanical failure of the residential grinder pump station was regared. Unknown NA Respare Completed 4/3710 524 BENT RWCR BOULEVARD FC Fourth Creek 43 Residential Grinder Pump. The residential grinder pum station was regared and ethumed to service. Unknown NA Respare Completed 4/3705 524 BENT RWCR BOULEVARD FC Fourth Creek 43 Residential Grinder Pump. The residential grinder pump station was regared and ethumed to service. Unknown NA Respare Completed 7/40201 524 BENT RWCR BOULEVARD FC	6/25/04 1/8/08 2/4/09 7/22/09 2/12/10 10/3/2011	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD	KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 42 Air Release Valve 43 Residential Grinder Pump	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leaking air release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure	3000 11,520 120 225 37 4130 6	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Future Construction Planned Future Construction Planned N/A Future Construction Planned Future Construction Planned N/A N/A	N/A N/A BA N/A N/A Repair Completed Repair Completed	N/A 6 Months N/A N/A N/A N/A
1/25/2011 5233 BERT RIVER BOULEVARD FC Fourh Creek 43 Broken Pipe System Failure - Broken Force Main 10 1 NA Repair Completed 9/303 5241 BERT RIVER BOULEVARD FC Fourh Creek 43 Residential Grinder Pump There was an mechanical failure of the residential grinder pump station state space. 20 5 NA Repair Completed 9/303 5241 BERT RIVER BOULEVARD FC Fourh Creek 43 Residential Grinder Pump The residential grinder pump station state space. 20 5 NA Repair Completed 7/408 5241 BERT RIVER BOULEVARD FC Fourh Creek 43 Residential Grinder Pump There was a mechanical failure of the residential grinder pump. 1 4 NA Repair Completed 7/232011 5241 BERT RIVER BOULEVARD FC Fourh Creek 43 Residential Grinder Pump There was a mechanical failure of the residential grinder pump. 1 4 NA Residential Crinder Pump 7/232011 5246 BERT RIVER BOULEVARD FC Fourh Creek 43 Residential Grinder Pump There was a mechanical failure of the residential grinder pump. 5 2 NA <t< td=""><td>6/25/04 1/8/08 2/4/09 7/22/09 2/12/10 10/3/2011 11/26/2011</td><td>FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE</td><td>KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek</td><td>41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 42 Air Release Valve 43 Broken Force Main</td><td>Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leaking air release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main</td><td>3000 11,520 120 225 37 4130 6 200</td><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td><td>Future Construction Planned Future Construction Planned N/A Future Construction Planned Future Construction Planned N/A N/A N/A N/A</td><td>N/A N/A BA N/A N/A Repair Completed Repair Completed Repair Completed</td><td>N/A 6 Months N/A N/A N/A</td></t<>	6/25/04 1/8/08 2/4/09 7/22/09 2/12/10 10/3/2011 11/26/2011	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE	KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 42 Air Release Valve 43 Broken Force Main	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leaking air release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main	3000 11,520 120 225 37 4130 6 200	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Future Construction Planned Future Construction Planned N/A Future Construction Planned Future Construction Planned N/A N/A N/A N/A	N/A N/A BA N/A N/A Repair Completed Repair Completed Repair Completed	N/A 6 Months N/A N/A N/A
4/3/10 5228 ENT RVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump There was a mechanica fialure of the residential grinder pump. 10 3 NA Repair Completed 9/13/05 5241 BENT RVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump There was a mechanica fialure of the residential grinder pump. 1 4 NAA Repair Completed 7/4/08 5241 BENT RVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump There was a mechanica fialure of the residential grinder pump. 1 4 NAA Repair Completed 7/4/08 5241 BENT RVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump There was a mechanica fialure in the residential grinder pump. 5 1 NAA Repair Completed 9/03 5246 BENT RVER BOULEVARD FC Fourth Creek 43 Grinder Pump There was a mechanica fialure in the residential grinder pump. 5 2 NA Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed <td>6/25/04 1/8/08 2/4/09 7/22/09 2/12/10 10/3/2011 11/26/2011 7/23/09 3/19/10</td> <td>FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7012 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD</td> <td>KUW Knob Creek KUW Knob Creek FC Fourth Creek</td> <td>41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump 43 Residential Grinder Pump 43 Residential Grinder Pump 43 Residential Grinder Pump 43 Residential Grinder Pump</td> <td>Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leaking air release valve that resulted in a SSO. The air release valve maifunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump.</td> <td>3000 11,520 120 225 37 4130 6 200 741 22</td> <td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td> <td>Future Construction Planned Future Construction Planned N/A Future Construction Planned Future Construction Planned N/A N/A N/A N/A N/A N/A</td> <td>N/A N/A BA N/A Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed</td> <td>N/A 6 Months N/A N/A</td>	6/25/04 1/8/08 2/4/09 7/22/09 2/12/10 10/3/2011 11/26/2011 7/23/09 3/19/10	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7012 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD	KUW Knob Creek KUW Knob Creek FC Fourth Creek	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leaking air release valve that resulted in a SSO. The air release valve maifunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump.	3000 11,520 120 225 37 4130 6 200 741 22	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Future Construction Planned Future Construction Planned N/A Future Construction Planned Future Construction Planned N/A N/A N/A N/A N/A N/A	N/A N/A BA N/A Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed	N/A 6 Months N/A
91303 5241 BENT RIVER BOLLEVARD FC Fourth Creek 43 Orinder Pump The residential grinder pump station was repaired and returned solexol. Unknown Unknown NAA Regair Completed 91005 5241 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 1 44 NA Regair Completed 7 7/232011 5241 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 1 44 NA Regair Completed 7 7/232011 5241 BENT RIVER BOULEVARD FC Fourth Creek 43 Grinder Pump FC Fourth Creek 43 Grinder Pump 5 2 NA NA Regair Completed 7 9/903 5246 BENT RIVER BOULEVARD FC Fourth Creek 43 Grinder Pump FC Fourth Creek 43 Grinder Pump FC Fourth Creek 43 Grinder Pump FC Fourth Creek 43 Regair Completed FC Fourth Creek <td< td=""><td>6/25/04 1/8/08 2/4/09 7/22/09 2/12/10 10/3/2011 11/26/2011 1/26/2011 3/19/10 3/24/08</td><td>FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5219 BENT RIVER BOULEVARD</td><td>KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek</td><td>41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump 43 Wetwell & BBU</td><td>Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a failure of the residential grinder pump.</td><td>3000 11,520 120 225 37 4130 6 200 741 22 15</td><td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td><td>Future Construction Planned Future Construction Planned N/A Future Construction Planned Future Construction Planned N/A N/A N/A N/A N/A N/A N/A N/A</td><td>N/A N/A BA N/A N/A Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed</td><td>N/A 6 Months N/A N/A N/A N/A N/A N/A N/A</td></td<>	6/25/04 1/8/08 2/4/09 7/22/09 2/12/10 10/3/2011 11/26/2011 1/26/2011 3/19/10 3/24/08	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5219 BENT RIVER BOULEVARD	KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump 43 Wetwell & 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. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a failure of the residential grinder pump.	3000 11,520 120 225 37 4130 6 200 741 22 15	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Future Construction Planned Future Construction Planned N/A Future Construction Planned Future Construction Planned N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A BA N/A N/A Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed	N/A 6 Months N/A N/A N/A N/A N/A N/A N/A
7x100 521 BNT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump There was a mechanical failure of the residential grinder pump. 1 4 NA Repair Completed 9903 5246 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 6 1 1 4 NA Repair Completed 9 11/30/4 5246 BENT RIVER BOULEVARD FC Fourth Creek 43 Grinder Pump There was a blockage in the residential grinder pump. 5 2 NA Repair Completed Repair Completed 11/30/4 5246 BENT RIVER BOULEVARD FC Fourth Creek 43 Grinder Pump There was a nechanical failure in the residential grinder pump. 5 2 NA Repair Completed 61/208 5246 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump There was a nechanical failure of the residential grinder pump. 25 3 Construction Completed Repair Completed Re	6/25/04 1/8/08 2/4/09 2/12/10 10/3/2011 11/26/2011 7/23/09 3/19/10 3/24/08 1/25/2011	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5219 BENT RIVER BOULEVARD 5235 BENT RIVER BOULEVARD	KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump 43 Residential Grinder Pump 43 Residential Grinder Pump 43 Residential Grinder Pump 43 Broken Force Main 43 Broken Fipe	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of moder pump was repaired. System Failure - Broken Force Main	3000 11,520 120 225 37 4130 6 200 741 22 15 10	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Future Construction Planned Future Construction Planned N/A Future Construction Planned Future Construction Planned N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A BA N/A N/A Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed	N/A 6 Months N/A
7232011 524 BEXT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump There was a lockage in the residential grinder pump. caused by a rupture force main. 30 4 NA Repair Completed 9/03.0 5246 BEXT RIVER BOULEVARD FC Fourth Creek 43 Grinder Pump There was a mechanical failure in the residential grinder pump. 5 2 NAA Repair Completed 11/3004 5246 BEXT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump There was a mechanical failure of the residential grinder pump. 25 3 Construction Completed Repair Completed 8/408 5246 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump There was a mechanical failure of the residential grinder pump. 25 3 Construction Completed Repair Completed 4/10/10 5246 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump There was a mechanical failure of the residential grinder pump. 5 3 ✓ NA Repair Completed 6/18/10 5246 BENT RIVER BOULEVARD FC Fourth Creek <td< td=""><td>6/25/04 1/8/08 2/4/09 2/12/09 2/12/10 10/3/2011 11/26/2011 7/23/09 3/19/10 3/24/08 1/25/2011 4/3/10 9/13/03</td><td>FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5237 BENT RIVER BOULEVARD</td><td>KUW Knob Creek KUW Knob Creek FC Fourth Creek</td><td>41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump 43 Broken Force Main 43 Residential Grinder Pump 43 Residential Grinder Pump 43 Broken Force Main 43 Residential Grinder Pump 43 Residential Grinder Pump 43 Broken Pipe 43 Grinder Pump 43 Grinder Pump</td><td>Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. 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There was a mechanical failure of the residential grinder pump.</td><td>3000 11,520 120 225 37 4130 6 200 741 22 15 10 10 10 Unknown</td><td>1 ✓ 4 ✓ 1 ✓ 1 ✓ 1.5 ✓ 0.5 ✓ 2 ✓ 504 Intermittently ✓ 1 ✓ 1 ✓ 3 ✓ 1 ✓</td><td>Future Construction Planned Future Construction Planned N/A Future Construction Planned Future Construction Planned N/A N/A N/A N/A N/A N/A N/A N/A</td><td>N/A N/A BA N/A N/A Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed</td><td>N/A 6 Months N/A N/A</td></td<>	6/25/04 1/8/08 2/4/09 2/12/09 2/12/10 10/3/2011 11/26/2011 7/23/09 3/19/10 3/24/08 1/25/2011 4/3/10 9/13/03	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5237 BENT RIVER BOULEVARD	KUW Knob Creek KUW Knob Creek FC Fourth Creek	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump 43 Broken Force Main 43 Residential Grinder Pump 43 Residential Grinder Pump 43 Broken Force Main 43 Residential Grinder Pump 43 Residential Grinder Pump 43 Broken Pipe 43 Grinder Pump 43 Grinder Pump	Heavy rainfall in the area resulted in high flows in the collection system. 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12/1/10 5246 [BENT RIVER BOULEVARD FC Fourh Creek 43 Residential Grinder Pump Grinder Pump Failure 2 1 ✓ NA Repair Completed 9/9/2011 5246 [BENT RIVER BOULEVARD FC Fourh Creek 43 Residential Grinder Pump Grinder Pump Failure 8 2 ✓ NA Repair Completed 8 8/24/2011 5247 [BENT RIVER BOULEVARD FC Fourh Creek 43 Residential Grinder Pump Grinder Pump Failure 5 1 ✓ NA Repair Completed 8 2 ✓ NA Repair Completed 8 8 2 ✓ NA Repair Completed 8 8 1 ✓ NA Repair Completed 8 8	6/25/04 1/8/08 2/4/09 2/1/20 2/12/10 10/3/2011 11/26/2011 11/26/2011 3/19/10 3/24/08 1/25/2011 4/3/10 9/13/03 3/10/05 7/4/08 7/23/2011 9/9/03 11/30/04 6/12/08 8/4/08 8/4/08	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5246 BENT RIVER BOULEVARD	KUW Knob Creek KUW Knob Creek FC Fourth Creek FC Four	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump 43 Grinder Pump 43 Residential Grinder Pump <tr< td=""><td>Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve that resulted in a SSO. There was a leak from air-release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The residential grinder pump station was repaired. System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. The residential grinder pump station failed and was replaced. The residential grinder pump the residential grinder pump. Grinder Pump Failure</td><td>3000 11,520 120 225 37 4130 6 200 741 22 15 10 10 10 Unknown 20 1 5 30 5 25 29 5</td><td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td><td>Future Construction Planned Future Construction Planned Future Construction Planned Future Construction Planned N/A N/A</td><td>N/A N/A BA N/A Repair Completed Repair Completed</td><td>N/A 6 Months N/A N/A</td></tr<>	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve that resulted in a SSO. There was a leak from air-release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The residential grinder pump station was repaired. System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. The residential grinder pump station failed and was replaced. The residential grinder pump the residential grinder pump. Grinder Pump Failure	3000 11,520 120 225 37 4130 6 200 741 22 15 10 10 10 Unknown 20 1 5 30 5 25 29 5	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Future Construction Planned Future Construction Planned Future Construction Planned Future Construction Planned N/A	N/A N/A BA N/A Repair Completed	N/A 6 Months N/A
9/9/2011 5246 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump Grinder Pump Failure 8 2 ✓ N/A Repair Completed 8/24/2011 5247 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump Grinder Pump Failure 5 1 ✓ N/A Repair Completed 8/30/10 5307 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 15 1 ✓ N/A Repair Completed 8/30/10 5307 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 15 1 ✓ N/A Repair Completed 11/1/10 5307 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 15 1 ✓ N/A Repair Completed 11/1/10 5307 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 10 2.5 ✓ N/A Repair Completed 10 10 10 10 10 10 10 10<	6/25/04 1/8/08 2/4/09 7/22/09 2/12/10 10/3/2011 11/26/2011 7/23/09 3/19/10 3/24/08 1/25/2011 4/3/10 9/13/03 3/10/05 7/4/08 7/23/2011 9/9/03 11/30/04 6/12/08 8/4/08 4/10/10 5/6/10	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LIYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5213 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5246 BENT	KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek FC Fourt	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump. The residential grinder pump station was repaired and returned to service. The residential grinder pump station failed and was replaced. There was a mechanical failure of the residential grinder pump. Grinder Pump Failure There was a mechanical failure of the residential grinder pump. The residential grinder pump station mas replaced. The residential grinder pump failure There was a mechanical failure of the residential grinder pump. <td>3000 11,520 120 225 37 4130 6 200 741 22 15 10 10 Unknown 20 1 5 30 5 25 29 5 10</td> <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td> <td>Future Construction Planned Future Construction Planned N/A Future Construction Planned N/A N/A</td> <td>N/A N/A BA N/A Repair Completed Repair Completed</td> <td>N/A 6 Months N/A N/A</td>	3000 11,520 120 225 37 4130 6 200 741 22 15 10 10 Unknown 20 1 5 30 5 25 29 5 10	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Future Construction Planned Future Construction Planned N/A Future Construction Planned N/A	N/A N/A BA N/A Repair Completed	N/A 6 Months N/A
8/30/10 5307 BENT RIVER BOULEVARD FC FO FO FO Residential Grinder Pump There was a mechanical failure of the residential grinder pump. 15 1 ✓ NA Repair Completed 11/1/10 5307 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 15 1 ✓ NA Repair Completed 11/1/10 5307 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 10 2.5 ✓ NA Repair Completed 11/1/10 FC FOULEVARD FC Fourth Creek 43 Residential Grinder Pump 6 FOULEVARD FOULEVARD Repair Completed FOULEVARD FOULEVARD <td>6/25/04 1/8/08 2/4/09 2/12/10 2/12/10 10/3/2011 11/26/2011 7/23/09 3/19/10 3/24/08 1/25/2011 4/3/10 9/13/03 3/10/05 7/4/08 7/23/2011 9/9/03 11/30/04 6/12/08 8/4/08 4/10/10 5/6/10 6/14/10</td> <td>FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5246 BENT RIVER BOULEVARD 5</td> <td>KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek FC Fourt</td> <td>41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump 43 Grinder Pump 43 Grinder Pump 43 Residential Grinder Pump 43</td> <td>Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. 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There was a mechanical failure of the residential grinder pump.</td> <td>3000 11,520 120 225 37 4130 6 200 741 22 15 10 10 Unknown 20 1 5 30 5 25 29 5 10</td> <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td> <td>Future Construction Planned Future Construction Planned V/A Future Construction Planned Future Construction Planned N/A N/A</td> <td>N/A N/A BA N/A N/A Repair Completed Repair Completed</td> <td>N/A 6 Months N/A N/A</td>	6/25/04 1/8/08 2/4/09 2/12/10 2/12/10 10/3/2011 11/26/2011 7/23/09 3/19/10 3/24/08 1/25/2011 4/3/10 9/13/03 3/10/05 7/4/08 7/23/2011 9/9/03 11/30/04 6/12/08 8/4/08 4/10/10 5/6/10 6/14/10	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5246 BENT RIVER BOULEVARD 5	KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek FC Fourt	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump 43 Grinder Pump 43 Grinder Pump 43 Residential Grinder Pump 43	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. 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11/17/10 5307 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump Grinder pump failure. 10 2.5 ✓ N/A Repair Completed	6/25/04 1/8/08 2/4/09 7/22/09 2/12/10 10/3/2011 11/26/2011 7/23/09 3/19/10 3/24/08 1/25/2011 4/3/10 9/13/03 3/10/05 7/4/08 7/23/2011 9/9/03 11/30/04 6/12/08 8/4/08 4/10/10 5/6/10 6/18/10 9/9/2011	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5213 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5246 B	KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek FC Fourt	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump. The residential grinder pump station was repaired and returned to service. The residential grinder pump station failed and was replaced. There was a mechanical failure of the residential grinder pump. Grinder Pump Failure There was a blockage in the residential grinder pump. Grinder Pump Failure There was a blockage in the residential grinder pump. There was a mechanical failure of the residential grinder pump.	3000 11,520 120 225 37 4130 6 200 741 22 15 10 10 Unknown 20 11 5 30 5 25 29 5 10 11 2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Future Construction Planned Future Construction Planned N/A Future Construction Planned N/A N/A </td <td>N/A N/A BA N/A Repair Completed Repair Completed <!--</td--><td>N/A 6 Months N/A N/A</td></td>	N/A N/A BA N/A Repair Completed Repair Completed </td <td>N/A 6 Months N/A N/A</td>	N/A 6 Months N/A
	6/25/04 1/8/08 2/4/09 7/22/09 2/12/10 10/3/2011 11/26/2011 7/23/09 3/19/10 3/24/08 1/25/2011 4/3/10 9/13/03 3/10/05 7/4/08 7/23/2011 9/9/03 11/30/04 6/12/08 8/4/08 4/10/10 5/6/10 6/18/10 12/1/10 9/9/2011 8/24/2011	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 712 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8560 WESTLAND DRIVE 1915 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5246 BENT RIVER BOULEVARD	KUW Knob Creek KUW Knob Creek KUW Knob Creek FC Fourth Creek FC Fourt	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Air Release Valve 42 Air Release Valve 43 Residential Grinder Pump 43 Grinder Pump 43 Grinder Pump 43 Residential Grinder Pump	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leaking air release valve that resulted in a SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump. The residential grinder pump station failed and was replaced. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. Ther	3000 11,520 120 225 37 4130 6 200 741 22 15 10 10 10 10 10 10 10 5 20 5 25 29 5 10 11 22 8 5 5	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Future Construction Planned Future Construction Planned Future Construction Planned Future Construction Planned N/A	N/A N/A BA N/A N/A Repair Completed Repair Completed <	N/A 6 Months N/A N/A
9/21/03 5315 BENT RIVER BOULEVARD FC Fourth Creek 43 Grinder Pump A landscaping contractor hit and damaged the control box for the residential grinder pump. 5 1 N/A Repair Completed	6/25/04 1/8/08 2/4/09 2/1/09 2/1/2/10 10/3/2011 11/26/2011 11/26/2011 3/19/10 3/24/08 1/25/2011 4/3/10 9/13/03 3/10/05 7/4/08 7/23/2011 9/9/03 11/30/04 6/12/08 8/4/08 4/10/10 5/6/10 6/18/10 12/1/10 9/9/2011 8/24/2011	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE 8560 WESTLAND DRIVE 8115 LYONS BEND ROAD 2520 WOODLAND RESERVE LANE 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5246 BENT RIVER BOULEVAR	KUW Knob Creek KUW Knob Creek FC Fourth Creek FC Four	41 Wetwell 41 Wetwell 41 Wetwell 42 MH 28-1 42 Leaking ARV 42 Air Release Valve 43 Residential Grinder Pump	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve that resulted in a SSO. The air release valve malfunctioned resulting in an SSO. Grinder Pump Failure System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The residential grinder pump station was repaired. System Failure - Broken Force Main There was a mechanical failure of the residential grinder pump. The residential grinder pump station failed and was replaced. The residential grinder pump failure There was a blockage in the residential grinder pump. There was a blockage in the residential grinder pump.	3000 11,520 120 225 37 4130 6 200 741 22 15 10 10 Unknown 20 11 5 30 5 25 29 5 10 11 2 8 5 15 10 11 10 10 10 10 10 10 10 10	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Future Construction Planned Future Construction Planned N/A Future Construction Planned Future Construction Planned N/A N/A <td>N/A N/A BA N/A N/A Repair Completed Repair Completed</td> <td>N/A 6 Months N/A N/A</td>	N/A N/A BA N/A N/A Repair Completed	N/A 6 Months N/A

Date	Street # Street	Plant Watershed	Basin Overflow Location	Private Property Cause of SSO/KUB Response Location	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
1/2/06	5315 BENT RIVER BOULEVARD	FC Fourth Creek	43 Grinder Pump	The residential grinder pump was replaced after the mechanical failure of the pump.	10	2	N/A	Repair Completed	N/A
3/30/08	5315 BENT RIVER BOULEVARD	FC Fourth Creek		The electrical breaker on the residential grinder pump station was turned back on.	50	4	N/A	Repair Completed	N/A
9/30/08 12/13/10	5323 BENT RIVER BOULEVARD 5332 BENT RIVER BOULEVARD	FC Fourth Creek	43 Residential Grinder Pump 43 Residential Grinder Pump	There was a mechanical failure of an improperly-installed residential grinder pump. Grinder pump failure.	150 30	4 4	N/A N/A	Repair Completed Repair Completed	N/A N/A
12/24/2011	5347 BENT RIVER BOULEVARD	FC Fourth Creek	43 Residential Grinder Pump and BBU	BBU Grinder Pump Failure	5	1	N/A	Repair Completed	N/A
5/11/2011	5356 BENT RIVER BOULEVARD	FC Fourth Creek		Grinder Pump Failure	5	1	N/A	Repair Completed	N/A
7/25/10 9/28/08	5363 BENT RIVER BOULEVARD 5371 BENT RIVER BOULEVARD	FC Fourth Creek		There was a mechanical failure of the residential grinder pump. There was an electrical failure of the residential grinder pump.	200	4 4	N/A N/A	Repair Completed Repair Completed	N/A N/A
5/3/02	2600 WOODSON DR	KUW South Knoxville		Heavy rainfall in the area resulted in high flows in the collection system.	900	1 ✓	Construction Completed	N/A	N/A
4/10/03	2600 WOODSON DR	KUW South Knoxville		Heavy rainfall in the area resulted in high flows in the collection system.	510	4.25 ✓	Construction Completed	N/A	N/A
5/5/03 8/4/06	2600 WOODSON DR 2600 WOODSON DRIVE	KUW South Knoxville		Heavy rainfall in the area resulted in high flows in the collection system. The electronic failures at the Woodson Drive Pump Station were repaired.	3300 500	550 ✓ 1	Construction Completed N/A	N/A Repair Completed	N/A N/A
				There was an electrical surge and power outage at the pump station during a rainfall		0.25	Future Construction Planned	N/A	N/A
2/18/09	2600 WOODSON DRIVE	KUW South Knoxville	44 MH 2-1	event.	190	0.23		N/A	19/5
11/30/10	2600 WOODSON DRIVE	KUW South Knoxville	44 MH 2-1	Rainfall in the area produced I & I and high flows in sewer mains.	2150	3	KUB has smoke tested the collection system and is repairing damaged cleanouts	NA	NA
10/4/02	WOODSON DR	KUW South Knoxville	44 MH 2-1	The wastewater pump station overflowed due to an electrical failure at the station.	6000	1 🗸	N/A	Repair Completed	12 Months
3/18/02	WOODSON DR & DEANBROOK RD	KUW South Knoxville		Heavy rainfall in the area resulted in high flows in the collection system.	3000	<u>10</u> ✓	Construction Completed	N/A	N/A
2/14/03 2/22/03	WOODSON DR & DEANBROOK RD WOODSON DR & DEANBROOK RD	KUW South Knoxville KUW 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.	16,500 10,500	22 ✓ 70 ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
5/11/03	WOODSON DR & DEANBROOK RD	KUW South Knoxville		Heavy rainfall in the area resulted in high flows in the collection system.	300	1.5 ✓	Construction Completed	N/A	N/A
				Pumpstation failure-Electrical/The pump station electrical power was restored after 1 hour			Future Construction Planned	N/A	N/A
5/31/04 9/21/02	WOODSON DRIVE LIFT STATION WOODSON LIFTSTATION	KUW South Knoxville KUW South Knoxville		and 37 minutes due to a severe thunder storm.	2400 28,800	1 12 ✓	Construction Completed	N/A	N/A
9/21/02	WOODSON EIFTSTATION	KOW South Knoxville	144 IVIT 2-1	Heavy rainfall in the area resulted in high flows in the collection system.					
8/3/10	2636 MARYVILLE PIKE	KUW South Knoxville		The SSO was caused by a failure of a construction bypass pumping system.	60	0.15	NA	Bypass pump was repaired after it was valdalized	NA
8/3/10	2641 MARYVILLE PIKE	KUW South Knoxville		There was a mechanical failure of the residential grinder pump.	20	4	NA	Pump was repaired	NA
4/4/2011 3/12/06	2641 MARYVILLE PIKE 2907 GINNBROOKE LANE	FC Knob Creek KUW Knob Creek		Grinder Pump Failure There was a total loss of electrical service to the station due to squirrels.	10 180	1 √	N/A Construction Completed	Repair Completed N/A	N/A N/A
9/24/06	2907 GINNBROOKE LANE	KUW Knob Creek	47 Pump Station Wetwell	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and		0.75 🗸	Construction Completed	N/A	N/A
				high flows in the sewer mains.					
5/9/08	2907 GINNBROOKE LANE	KUW Knob Creek	47 Wetwell	Electrical power was restored after an outage caused by a strong storm. Pumpstation failure-Electronic/The electronic controls that actuate the pumps	1,000	0.33	Construction Completed	N/A	N/A
3/6/04	GINNBROOK LIFT STATION	KUW Knob Creek	47 Wetwell	malfunctioned.	2250	0.75	Future Construction Planned	Repair Completed	N/A
5/22/01	GINNBROOKE LIFT STATION	KUW Knob Creek		Heavy rainfall in the area resulted in high flows in the collection system.	12,000	2 ✓	Construction Completed	N/A	N/A
6/25/01	GINNBROOKE LIFT STATION	KUW Knob Creek		Heavy rainfall in the area resulted in high flows in the collection system.	7200	1.5 ✓	Construction Completed	N/A	N/A
6/29/01 7/29/01	GINNBROOKE LIFT STATION	KUW Knob Creek KUW Knob Creek	47 MH 22 47 MH 22	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1500 24,000	0.33 ✓ 8 ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
9/21/02	GINNBROOKE LIFT STATION	KUW Knob Creek		Heavy rainfall in the area resulted in high flows in the collection system.	36,000	12 12	Construction Completed	N/A N/A	N/A
11/11/02	GINNBROOKE LIFT STATION	KUW Knob Creek	47 MH 22	The overflow occurred as the result of the loss of electrical power during a severe storm		3 ✓	Construction Completed	Repair Completed	N/A
				event.					
4/4/06 4/17/10	5105 BALL ROAD 5105 BALL ROAD	FC Fourth Creek		The force main was repaired. The SSO was the result of a broken force main.	442400 72675	252	N/A N/A	Repair Completed Repair Completed	N/A N/A
4/11/10		NOW THILd Creek	Howen orce Main		12015	2			
7/10/08	2904 MOUNT PLEASANT ROAD	KUW Third Creek	50 MH 12-7	The sewer main was flushed to remove the blockage caused by grease and debris.	748	4	N/A	BA	12 Months
1/25/10	6621 CLINTON HIGHWAY	KUW Third Creek		The air release valve malfunctioned resulting in an SSO.	190	2	N/A	Repair Completed	N/A
7/22/08 3/2/2011	6410 S. RUGGLES FERRY PIKE 781 BAGWELL LANE	LC Loves Creek		Power failure at the pump station caused by storm damage to the power lines. Rainfall in the area produced I & I and high flows in sewer mains.	300 576,000	1 12	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
3/2/2011	3011 EAST GOV JOHN SEVIER HIGHWAY	KUW Riverdale		Rainfall in the area produced I & I and high flows in sewer mains.	21,600	3	Construction Completed	N/A	N/A
							N/A	Repair Completed	N/A
8/6/08 10/19/07	1019 OGLESBY ROAD 1338 OGLESBY ROAD	LC Loves Creek	66 Leaking Force Main 66 Leaking Force Main	The contractor was removing a temporary force main and allowed leakage to occur. There was a leak on a 8" force main.	38 1,800	2		N/A	N/A
10/19/07	1338 OGLESBY ROAD	LC Loves Creek		There was a leak on a 8" force main.	1,125	3 1	Construction Completed Construction Completed	N/A N/A	N/A N/A
12/29/07	1338 OGLESBY ROAD	LC Loves Creek		There was a leak on a 8" force main.	32,400	3 🗸	Construction Completed	N/A	N/A
2/5/08	1338 OGLESBY ROAD	LC Loves Creek		The force main was repaired.	560	2	N/A	Repair Completed	N/A
2/17/08 4/9/10	206 CREEK STONE LANE 8630 ASHEVILLE HIGHWAY	EB Eastbridge EB Eastbridge	72 Service Connection 72 Private Property/BBU	The service connection on the low-pressure force main was repaired. BBU The sewer main was flushed to remove the blockage caused by debris.	180 950	6 15	N/A N/A	Repair Completed BA	N/A 12 Months
4/9/10	8030 ASHEVILLE HIGHWAT	EB Easibilitye		Equipment damaged by lightning strike was repaired and the station was returned to	930	15	IV/A	DA	12 WOTUTS
6/10/05	7620 BUD HAWKINS RD		101 Wetwell	service.	2,880	1	N/A	Repair Completed	N/A
7/12/02	BUD HAWKINS LIFT STATION		101 Wetwell	The wastewater pump station overflowed due to a mechanical failure at the station.	1000	3	N/A	Repair Completed	N/A
2/26/03 3/26/09	BUD HAWKINS LIFT STATION 1925 ROSEWOOD ROAD	EB NEKUD LC Loves Creek	101 Wetwell 105 Commercial Grinder Pump and BBU	The wastewater pump station overflowed due to an electrical failure at the station. There was a mechanical failure of the commercial grinder pump.	100 5	0.17 1.5	N/A N/A	Repair Completed Repair Completed	N/A N/A
7/1/09	2304 WOODS CREEK ROAD	LC Loves Creek	105 Residential Grinder Pump	There was a mechanical failure of the residential grinder pump.	50	1	N/A N/A	Repair Completed	N/A
6/6/09	2501 FERNBANK ROAD	LC Loves Creek		The sewer main was flushed to remove the blockage caused by grease.	44	4	N/A	BA/Grease Control	6 Months
1/5/08	2513 SABLE POINT LANE	LC Loves Creek	105 MH 48-3	A contractor did not removed a sewer plug during a construction project.	39,000	72	N/A	Repair Completed	N/A
9/1/2011	6235 RUTLEDGE PIKE	LC Loves Creek		BBU Grinder Pump Failure	20	1	N/A	Repair Completed	N/A
2/28/2011 10/31/05	4800 MALONEYVILLE ROAD 5001 MALONEYVILLE RD	EB Eastbridge EB NEKUD	109 Bar Screen 109 MH 93-10	Rainfall in the area produced I & I and high flows in sewer mains. The sewer main was flushed to remove the blockage caused by debris.	3,750 6,101	1.25 1.5 ✓	Future Construction Planned	BABA	3 months 6 Months
1/17/06	5001 MALONEYVILLE ROAD	EB Eastbridge	109 MH 93-10	The sewer main was flushed to remove the blockage caused by debris.	408	1.0 ✓	Construction Completed	BA	1 Month
		Ŭ							
7/23/07	5101 MALONEYVILLE ROAD	EB Eastbridge	109 MH 93-26	The pump station barscreen was cleaned to remove the blockage caused by heavy debris	is. 3,000	1 ✓	Construction Completed	N/A	N/A
8/19/07	5101 MALONEYVILLE ROAD	EB Eastbridge	109 MH 93-26	The pump station barscreen was cleaned to remove the blockage caused by heavy debris	is. 1.440	2 ✓	Construction Completed	N/A	N/A
3/2/09	5101 MALONEYVILLE ROAD	EB Eastbridge		The sewer main was flushed to remove the blockage caused by debris.	360	2	N/A	BA/Grease Control	1 Month
4/23/08	5300 AZINGER LANE	EB Eastbridge	109 Leaking Force Main	The force main was repaired.	47	2	N/A	Repair Completed	N/A
8/7/08	7217 WASHINGTON PIKE	EB Eastbridge	109 Residential Grinder Pump	There was an electrical failure of the residential grinder pump.	14	3	N/A N/A	Repair Completed	N/A
6/7/06 7/28/10	8530 CROSSWIND LANDING LANE 8530 CROSSWIND LANDING LANE	EB Eastbridge EB Northeast Knox		There was a failure of the electronic level controls. The SSO was caused by a vacuum pump malfunction within the pump station.	150 3000	0.5	N/A N/A	Repair Completed Repair Completed	N/A N/A
		EB Eastbridge		The SSO was the result of a broken force main.	150	1	N/A	Repair Completed	N/A
6/10/10	6310 ROBERTS ROAD			There was a leak on the low-pressure service lateral.	90	5	N/A	Repair Completed	N/A
11/27/08	6310 ROBERTS ROAD 8111 WASHINGTON PIKE	EB Eastbridge		The force main was repaired.	810	2 0.017	N/A	Repair Completed	N/A
11/27/08 3/26/08	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD	EB Eastbridge		An exposed section of service lateral hurst upon frogging and was repaired			N/A	Repair Completed	N/A N/A
11/27/08 3/26/08 11/22/08	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD 3706 ROBERTS ROAD	EB Eastbridge EB Eastbridge	113 Leaking LP Lateral	An exposed section of service lateral burst upon freezing and was repaired.	7		NI/A	Renair Completed	1 19/75
11/27/08 3/26/08	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD	EB Eastbridge	113 Leaking LP Lateral 113 Leaking Force Main	An exposed section of service lateral burst upon freezing and was repaired. The force main was repaired. Construction Failure - Unconnected Lateral	783 375	0.05	N/A N/A	Repair Completed Repair Completed	N/A
11/27/08 3/26/08 11/22/08 4/14/08 1/27/2011 6/16/08	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD 3708 ROBERTS ROAD 3914 ROBERTS ROAD 3914 ROBERTS ROAD 4107 ROBERTS ROAD	EB Eastbridge EB Eastbridge EB Eastbridge EB Eastbridge EB Eastbridge	113 Leaking LP Lateral 113 Leaking Force Main 113 Abandoned Air Release Valve 113 Residential Grinder Pump	The force main was repaired. Construction Failure - Unconnected Lateral There was a mechanical failure of the residential grinder pump.	783 375 6	0.05 2 1	N/A N/A	Repair Completed Repair Completed	N/A
11/27/08 3/26/08 11/22/08 4/14/08 1/27/2011 6/16/08 6/12/09	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD 3701 ROBERTS ROAD 3913 ROBERTS ROAD 3914 ROBERTS ROAD 4107 ROBERTS ROAD 4300 ROBERTS ROAD	EB Eastbridge EB Eastbridge EB Eastbridge EB Eastbridge EB Eastbridge EB Eastbridge	113 Leaking LP Lateral 113 Leaking Force Main 113 Abandoned Air Release Valve 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Residential Grinder Pump	The force main was repaired. Construction Failure - Unconnected Lateral There was a mechanical failure of the residential grinder pump. There was an electrical failure of the commercial grinder pump.	783 375 6 30	0.05 2 1 1	N/A N/A N/A	Repair Completed Repair Completed Repair Completed	N/A N/A
11/27/08 3/26/08 11/22/08 4/14/08 1/27/2011 6/16/08 6/12/09 6/11/2011	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD 3913 ROBERTS ROAD 3914 ROBERTS ROAD 4107 ROBERTS ROAD 4300 ROBERTS ROAD 4304 ROBERTS ROAD	EB Eastbridge	113 Leaking LP Lateral 113 Leaking Force Main 113 Abandoned Air Release Valve 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Grinder Pump	The force main was repaired. Construction Failure - Unconnected Lateral There was a mechanical failure of the residential grinder pump. There was an electrical failure of the commercial grinder pump. Grinder Pump Failure	783 375 6 30 6	0.05 2 1 1 1 1 ✓	N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed	N/A N/A N/A
11/27/08 3/26/08 11/22/08 4/14/08 1/27/2011 6/16/08 6/12/09 6/11/2011 10/1/2011	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD 3701 ROBERTS ROAD 3913 ROBERTS ROAD 3914 ROBERTS ROAD 4107 ROBERTS ROAD 4300 ROBERTS ROAD	EB Eastbridge	113 Leaking LP Lateral 113 Leaking Force Main 113 Abandoned Air Release Valve 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Grinder Pump 113 Residential Grinder Pump 113 Residential Grinder Pump	The force main was repaired. Construction Failure - Unconnected Lateral There was a mechanical failure of the residential grinder pump. There was an electrical failure of the commercial grinder pump. Grinder Pump Failure Grinder Pump Failure	783 375 6 30	0.05 2 1 1 1 0.5 ✓	N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed	N/A N/A
11/27/08 3/26/08 11/22/08 1/27/2011 6/16/08 6/12/09 6/11/2011 10/1/2011 10/17/2011	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD 3706 ROBERTS ROAD 3913 ROBERTS ROAD 3914 ROBERTS ROAD 4107 ROBERTS ROAD 4300 ROBERTS ROAD 4304 ROBERTS ROAD 4304 ROBERTS ROAD 4304 ROBERTS ROAD	EB Eastbridge LC Eastbridge LC Eastbridge	113 Leaking LP Lateral 113 Leaking Force Main 113 Abandoned Air Release Valve 113 Residential Grinder Pump 113 Grinder Pump 113 Grinder Pump 113 Residential Grinder Pump	The force main was repaired. Construction Failure - Unconnected Lateral There was a mechanical failure of the residential grinder pump. There was an electrical failure of the commercial grinder pump. Grinder Pump Failure Grinder Pump Failure Grinder Pump Failure	783 375 6 30 6 6 6 1	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed	N/A N/A N/A N/A N/A
11/27/08 3/26/08 11/22/08 4/14/08 1/27/2011 6/16/08 6/12/09 6/11/2011 10/1/2011 10/17/2011 8/14/08	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD 3708 ROBERTS ROAD 3913 ROBERTS ROAD 3914 ROBERTS ROAD 4107 ROBERTS ROAD 4300 ROBERTS ROAD 4304 ROBERTS ROAD 4304 ROBERTS ROAD 4304 ROBERTS ROAD 5309 ROBERTS ROAD	EB Eastbridge LC Eastbridge LC Eastbridge EB Eastbridge EB Eastbridge	113 Leaking LP Lateral 113 Leaking Force Main 113 Abandoned Air Release Valve 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Grinder Pump 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Leaking Force Main	The force main was repaired. Construction Failure - Unconnected Lateral There was a mechanical failure of the residential grinder pump. There was an electrical failure of the commercial grinder pump. Grinder Pump Failure Grinder Pump Failure Grinder Pump Failure There was a dig-in on the force main during the installation of an electrical power pole.	783 375 6 30 6 6 6 1	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed	N/A N/A N/A N/A N/A
11/27/08 3/26/08 11/22/08 4/14/08 1/27/2011 6/16/08 6/12/09 6/11/2011 10/1/2011 10/17/2011 8/14/08 6/26/06	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD 3707 ROBERTS ROAD 3913 ROBERTS ROAD 3914 ROBERTS ROAD 4107 ROBERTS ROAD 4300 ROBERTS ROAD 4304 ROBERTS ROAD 4304 ROBERTS ROAD 5309 ROBERTS ROAD 5309 ROBERTS ROAD 7612 BUD HAWKINS ROAD	EB Eastbridge LC Eastbridge EB Eastbridge EB Eastbridge EB Eastbridge	113 Leaking LP Lateral 113 Leaking Force Main 113 Abandoned Air Release Valve 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Grinder Pump 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Leaking Force Main 113 Utaking Force Main 113 Wetwell	The force main was repaired. Construction Failure - Unconnected Lateral There was a mechanical failure of the residential grinder pump. There was an electrical failure of the residential grinder pump. Grinder Pump Failure Grinder Pump Failure Grinder Pump Failure There was a dig-in on the force main during the installation of an electrical power pole. Heavy rainfall in the area resulted in high flows in the collection system.	783 375 6 30 6 6 1 5,030 600	0.05 2 1 1 1 √ 0.5 √ 0.25 √ 2 1	N/A N/A N/A N/A N/A N/A N/A N/A N/A Construction 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
11/27/08 3/26/08 11/22/08 4/14/08 1/27/2011 6/16/08 6/12/09 6/11/2011 10/1/2011 10/1/2011 8/14/08	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD 3708 ROBERTS ROAD 3913 ROBERTS ROAD 3914 ROBERTS ROAD 4107 ROBERTS ROAD 4300 ROBERTS ROAD 4304 ROBERTS ROAD 4304 ROBERTS ROAD 4304 ROBERTS ROAD 5309 ROBERTS ROAD	EB Eastbridge LC Eastbridge LC Eastbridge EB Eastbridge EB Eastbridge	113 Leaking LP Lateral 113 Leaking Force Main 113 Abandoned Air Release Valve 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Grinder Pump 113 Residential Grinder Pump 113 Leaking Force Main 113 Wetwell 113 Wetwell	The force main was repaired. Construction Failure - Unconnected Lateral There was a mechanical failure of the residential grinder pump. There was an electrical failure of the commercial grinder pump. Grinder Pump Failure Grinder Pump Failure Grinder Pump Failure There was a dig-in on the force main during the installation of an electrical power pole.	783 375 6 30 6 6 6 1 5,030	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed Repair Completed	N/A N/A N/A N/A N/A
11/27/08 3/26/08 11/22/08 4/14/08 1/27/2011 6/16/08 6/12/09 6/11/2011 10/17/2011 8/14/08 6/26/06 1/6/09 1/22/09 12/3/08	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD 3707 ROBERTS ROAD 3913 ROBERTS ROAD 3914 ROBERTS ROAD 3914 ROBERTS ROAD 4107 ROBERTS ROAD 4300 ROBERTS ROAD 4304 ROBERTS ROAD 4304 ROBERTS ROAD 5309 ROBERTS ROAD 5309 ROBERTS ROAD 7612 BUD HAWKINS ROAD 7661 BUD HAWKINS ROAD 7661 BUD HAWKINS ROAD 9027 MASCOT ROAD 1708 NUMBER TWO DRIVE	EB Eastbridge LC Eastbridge LC Eastbridge EB Eastbridge	113 Leaking LP Lateral 113 Leaking Force Main 113 Abandoned Air Release Valve 113 Residential Grinder Pump 113 Wetwell 113 Wetwell 114 Leaking ARV 115 Leaking ARV	The force main was repaired. Construction Failure - Unconnected Lateral There was a mechanical failure of the residential grinder pump. There was an electrical failure of the residential grinder pump. Grinder Pump Failure Grinder Pump Failure Grinder Pump Failure Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. There was a leak from air-release valve on a high-pressure force main. There was a leak from air-release valve on a force main.	783 375 6 30 6 6 1 1 5,030 600 24,000 75 423	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	N/A N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed N/A N/A	Repair Completed N/A N/A Repair Completed Repair Completed	N/A N/A N/A N/A N/A N/A N/A N/A
11/27/08 3/26/08 11/22/08 4/14/08 1/27/2011 6/16/08 6/12/09 6/11/2011 10/1/2011 10/1/2011 8/14/08 6/26/06 1/6/09 1/22/09	6310 ROBERTS ROAD 8111 WASHINGTON PIKE 3706 ROBERTS ROAD 3706 ROBERTS ROAD 3911 ROBERTS ROAD 3914 ROBERTS ROAD 4107 ROBERTS ROAD 4300 ROBERTS ROAD 4304 ROBERTS ROAD 4304 ROBERTS ROAD 4304 ROBERTS ROAD 5309 ROBERTS ROAD 5309 ROBERTS ROAD 7661 BUD HAWKINS ROAD 7661 BUD HAWKINS ROAD 9027 MASCOT ROAD	EB Eastbridge LC Eastbridge LC Eastbridge EB Eastbridge	113 Leaking LP Lateral 113 Leaking Force Main 113 Abandoned Air Release Valve 113 Residential Grinder Pump 113 Residential Grinder Pump 113 Grinder Pump 113 Residential Grinder Pump 114 Leaking Force Main 115 Leaking ARV 116 Leaking ARV 101 MH 93-10	The force main was repaired. Construction Failure - Unconnected Lateral There was a mechanical failure of the residential grinder pump. There was an electrical failure of the commercial grinder pump. Grinder Pump Failure Grinder Pump Failure Grinder Pump Failure Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system. There was a leak from air-release valve on a high-pressure force main.	783 375 6 30 6 6 6 1 1 5,030 600 24,000 75	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	N/A N/A N/A N/A N/A N/A N/A N/A Construction Completed Construction Completed N/A	Repair Completed N/A N/A Repair Completed	N/A N/A N/A N/A N/A N/A N/A

Date S	treet # Street	Plant Watershed	Basin Overflow Location	Private Property Cause of SSO/KUB Response Location	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
3/6/04	600 N GALLAHER VIEW RD	FC Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	1680	3.5 ×	Construction Completed	N/A	N/A
6/27/04 9/17/04	600 N GALLAHER VIEW RD 600 N GALLAHER VIEW RD	FC Fourth Creek FC Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	240 31,680	22 ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
11/24/04	600 N GALLAHER VIEW RD	FC Fourth Creek	32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	6480	12 🗸	Construction Completed	N/A	N/A
12/1/04 12/7/04	600 N GALLAHER VIEW RD 600 N GALLAHER VIEW RD	FC Fourth Creek FC Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	20,160 390,240		Construction Completed Construction Completed	N/A N/A	N/A N/A
12/9/04	600 N GALLAHER VIEW RD	FC Fourth Creek	32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	189,000	70 ✓	Construction Completed	N/A	N/A
2/21/05	600 N GALLAHER VIEW RD	FC Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	260000	20 🗸	Construction Completed	N/A	N/A
4/2/05 4/13/05	600 N GALLAHER VIEW RD 600 N GALLAHER VIEW RD	FC Fourth Creek FC Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	7,200 247,680	20 ✓ 43 ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
5/20/05	600 N GALLAHER VIEW RD	FC Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	5,610	2.75 ✓	Construction Completed	N/A	N/A
7/19/05 4/8/06	600 N GALLAHER VIEW RD 600 N. GALLAHER VIEW ROAD	FC Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	1,037 38148	3 × 17 ×	Construction Completed	N/A N/A	N/A N/A
4/24/06	600 N. GALLAHER VIEW ROAD	FC Fourth Creek FC Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	14890		Construction Completed Construction Completed	N/A N/A	N/A
9/24/06	600 N. GALLAHER VIEW ROAD		32A MH 77	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and		5	Construction Completed	N/A	N/A
9/24/00	000 N. GALLAHER VIEW ROAD	FC Fourth Creek	32A IVIT / /	high flows in the sewer mains.		5 •	Construction Completed	INA	
1/7/09	600 NORTH GALLAHER VIEW ROAD	FC Fourth Creek	32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system. The storage tank reached capacity.	105,000	26	N/A	N/A	N/A
3/1/2011	600 NORTH GALLAHER VIEW ROAD	FC Fourth Creek	32A MH 77	Rainfall in the area produced I & I and high flows in sewer mains.	24,000	2 🗸	Future Construction Planned	N/A	N/A
4/16/2011 4/28/2011	600 NORTH GALLAHER VIEW ROAD	FC Fourth Creek FC Fourth Creek		Rainfall in the area produced I & I and high flows in sewer mains.	264,000	$22 \checkmark$	Future Construction Planned	N/A	N/A
1/25/10	600 NORTH GALLAHER VIEW ROAD 608 WALKER SPRINGS ROAD	FC Fourth Creek		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	36,000 95580	9	Future Construction Planned N/A	N/A N/A	N/A N/A
8/22/2011	1134 FERD HICKEY ROAD	FC Fourth Creek	32a MH 30-39	Blockage - Roots	2,000	2	N/A	BA	12 Months
3/12/2011	1218 GLADE HILL DRIVE	FC Loves Creek		Blockage - Grease	670	2.5	N/A	BA/Grease Control	12 Months
11/6/2011 7/23/09	1708 PINETREE LANE 2636 CHUKAR ROAD	FC Fourth Creek FC Fourth Creek		Blockage - Grease	62,000 12	72 - Intermittently	<u>N/A</u> N/A	BA Renair Completed	12 Months N/A
3/18/10	5732 TENNYSON DRIVE	FC Fourth Creek		There was a failure of a construction bypass system. The sewer main was flushed to remove the blockage caused by debris.	20,825	0.25 168 Intermittently	N/A N/A	Repair Completed BA	6 Months
3/7/2011	6540 CREEKHEAD DRIVE	FC Fourth Creek	32A MH 49-4	Blockage - Debris, Influenced by Heavy Rainfall	12,200	1	N/A	BA	12 Months
3/19/10	6549 CREEKHEAD DRIVE	FC Fourth Creek		The sewer main was flushed to remove the blockage caused by debris.	2,030	0.5	N/A	BA	12 Months
3/1/2011 9/29/09	7927 WEST CLIFF DRIVE 8012 WEST CLIFF DRIVE	FC Fourth Creek FC Fourth Creek		Blockage - Debris, Influenced by heavy rainfall. The sewer main was flushed to remove the blockage caused by grease and roots.	50 65	1	N/A N/A	BA/Grease Control	6 Months 6 Months
4/6/2011	8105 WEST CLIFF DRIVE	FC Fourth Creek		Blockage - Roots	400	2.5	N/A	BA	6 Months
10/3/02	WALKER SPRINGS RD & N GALLAHER VIEW	FC Fourth Creek	32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	1200	2 🗸	Construction Completed	N/A	N/A
12/5/02	WALKER SPRINGS RD & N GALLAHER VIEW	FC Fourth Creek	32A MH 77	Leave rainfell in the area resulted in high flaves in the collection system	18 000	12 ✓	Construction Completed	N/A	N/A
	RD WALKER SPRINGS RD & N GALLAHER VIEW			Heavy rainfall in the area resulted in high flows in the collection system.	18,000	✓	Construction Completed		
2/27/03	RD WALKER SPRINGS RD & N GALLAHER VIEW RD	FC Fourth Creek	32A MH 77 32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	1890	21 66.5	Construction Completed	N/A N/A	N/A N/A
5/6/03 7/2/03	WALKER SPRINGS RD & N GALLAHER VIEW	FC Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	49,875	66.5 24 ✓	Construction Completed	N/A N/A	N/A
112/03	WALKER SPRINGS RD & N GALLAHER VIEW	TO TOURITOREEK		riedvy fainiai in the area resolited in high hows in the collection system.	14,440	27	Construction Completed	N/A	
11/6/03		FC Fourth Creek	32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	3600	4	Construction Completed	N/A	N/A
11/19/03	WALKER SPRINGS RD & N GALLAHER VIEW RD	FC Fourth Creek		Heavy rainfall in the area resulted in high flows in the collection system.	1920 50	8 1	Construction Completed N/A	N/A Repair Completed	N/A N/A
11/2/2011 2/10/10	409 NORTH WINSTON ROAD 800 BENNETT PLACE	FC Fourth Creek FC Fourth Creek		System Failure - Broken Gravity Main There was a collapsed portion of the sewer main.	45900	72 ✓	Construction Underway	Repair Completed Repair Completed	N/A
8/26/10	800 BENNETT PLACE	FC Fourth Creek		The sewer main was flushed to remove the blockage caused by debris.	7750	24 🗸	Construction Underway	Repair Completed	N/A
12/13/08	8112 AINSWORTH DRIVE	FC Fourth Creek	32B MH 4-46	The sewer main was flushed to remove the blockage caused by roots and debris.	2,160	12	N/A	BA	6 Months
7/16/09	8205 CORTETLAND DRIVE	FC Fourth Creek	32B Lateral Cleanout	The sewer main was flushed to remove th blockage caused by roots and influenced by heavy rainfall.	9	1	N/A	BA	3 Months
10/30/09	1408 MIDDLE DRIVE	KUW Second Creek		The sewer main was repaired to remove a collapsed section.	7,190	6.5	N/A	Repair Completed	N/A
12/31/06	2004 NEYLAND DRIVE	KUW Third Creek	35A MH 1	Partial closure of the influent gate due to a temporary mechanical failure of the influent	160000	0.33	N/A	Changes to SOP and Operator Training	N/A
9/26/09	2004 NEYLAND DRIVE	KUW Second Creek	35A MH 1	barscreens. Rainfall in the area produced I & I and high flows in sewer mains.	250,000	0.26 🗸	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
						0.87	N/A	Repair Completed	N/A
12/9/09	2004 NEYLAND DRIVE	KUW Second Creek		There was an electrical failure at the plant. Electrical power was restored to the plant.	3,300,000		Euture Construction Planned (CCP Storage)		
2/28/2011	2004 NEYLAND DRIVE 2004 NEYLAND DRIVE	KUW Second Creek KUW Second Creek		There was an SSO caused by temporary electrical power failure. Rainfall in the area produced I & I and high flows in sewer mains.	50000 360,000	0.05 0.5 ✓	Future Construction Planned (CCP Storage) Future Construction Planned (CCP Storage)	N/A Changes to SOP and Operator Training	N/A N/A
4/16/2011	2004 NEYLAND DRIVE	KUW Second Creek	35A MH 1	Rainfall in the area produced I & I and high flows in sewer mains.	20,000	0.18 ✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
12/13/2011 4/29/09	1300 ALCOA HIGHWAY 1801 LAKE AVENUE	KUW Third Creek KUW Third Creek		Blockage - Debris The broken sewer main was repaired and the partial blockage was flushed.	650 710	1 2.25	N/A N/A	BA Repair Completed	12 Months N/A
4/29/09	1801 LARE AVENDE	KOW Third Cleek		The broken sewer main was repaired and the partial blockage was hushed.	710				
4/13/09	1848 FRATERNITY PARK DRIVE	KUW Third Creek	35B Patio and BBU	The capacity of the sewer main was exceeded when a swimming pool was drained.	650	2.25	N/A	Repair Completed	N/A
7/20/2011	1912 CUMBERLAND AVENUE	KUW Third Creek	35b Lateral Cleanout	Construction Failure - Unconnected Lateral Widespread power outages due to high winds resulted in a total power loss to the plant for	150 or	4	N/A	Repair Completed	N/A
3/3/07	2004 NEYLAND DRIVE	KUW Third Creek	35B MH 1	130 minutes.	1,170,000	1.5 🗸	N/A	Repair Complete	N/A
3/17/02	2015 NEYLAND DRIVE	KUW Third Creek	Influent Structure	During high flow conditions, valve operations deemed necessary by operator to control		Unknown 🗸	Future Construction Planned (CCP Storage)		N/A
			338	flow into the WWTP resulted in an inadvertent overflow. Loss of electrical power to the plant during a severe storm resulted in a partial plant	-			Changes to SOP and Operator Training	
6/6/02	2015 NEYLAND DRIVE	KUW Third Creek	35B Influent Structure	influent bypass.	38,000	0.25 🗸	Future Construction Planned (CCP Storage)	Repair Completed	N/A
7/30/02	2015 NEYLAND DRIVE	KUW Third Creek	35B Influent Structure	Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass.	10,000	0.07 🗸	Future Construction Planned (CCP Storage)	Repair Completed	N/A
9/21/02	2015 NEYLAND DRIVE	KUW Third Creek	35B Influent Structure	During high flow conditions, valve operations deemed necessary by operator to control	1,660,000	2.18 🗸	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
9/22/02	2015 NEYLAND DRIVE	KUW Third Creek	35B Influent Structure	flow into the WWTP resulted in an inadvertent overflow. During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.		1 🗸	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training Changes to SOP and Operator Training	N/A
0/22/02				During high flow conditions, valve operations deemed necessary by operator to control	5 700 000	4.5	Future Construction Diamond (COD Oterrer)		
9/22/02	2015 NEYLAND DRIVE	KUW Third Creek	35B Influent Structure	flow into the WWTP resulted in an inadvertent overflow.	5,700,000	4.5 🗸	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
12/9/04	2015 NEYLAND DRIVE	KUW Third Creek	35B Influent Structure	Heavy rainfall in the area resulted in high flows in the collection system. Foaming in the #6 digester resulted in a spill. Standard operating procedures are	400,000	2.63	Construction Completed	N/A	N/A
2/15/05	2015 NEYLAND DRIVE	KUW Third Creek	35B #6 Digester	addressing the problem. Foaming in the #6 digester resulted in a spill. Standard operating procedures are	5500	0.5	N/A	Changes to SOP and Operator Training	N/A
2/22/05	2015 NEYLAND DRIVE	KUW Third Creek	35B #6 Digester	addressing the problem.	200	0.17	N/A	Changes to SOP and Operator Training	N/A
3/22/05	2015 NEYLAND DRIVE	KUW Third Creek		The filtrate drain line was flushed to remove the blockage caused by debris. During high flow conditions, valve operations deemed necessary by operator to control with the MUTCP perificient data with the top of the period top of the period.		0.1	N/A Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
4/2/05	2015 NEYLAND DRIVE	KUW Third Creek	35B Secondary Junction Box	flow into the WWTP resulted in an inadvertent overflow. During high flow conditions, valve operations deemed necessary by operator to control		1.5	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
5/20/05		KUW Third Creek	35B Primaries # 3-4 Influent Boxes	flow into the WWTP resulted in an inadvertent overflow. Pipe capacity was exceeded with normal supernatant flow and sludge dewatering contracter discharce	500	0.17		Changes to SOP and Operator Training	N/A
8/23/05	2015 NEYLAND DRIVE	KUW Third Creek	35B Kuwahee WWTP Digester MH	contractor discharge. The secondary splitter box momentarily overflowed when the intermediate storage tanks	U 5	0.08	N/A	Changes to SOP and Operator Training	N/A
9/23/06	2015 NEYLAND DRIVE	KUW Third Creek	35B Secondary Junction Box	filled to their maximum capacity.	50	0.008	N/A	Changes to SOP and Operator Training	N/A
3/3/07	2015 NEYLAND DRIVE	KUW Third Creek	35B Ruptured Force Main	Upon restoration of electrical power, a sump pump force main ruptured and was discharged into the ditch by a groundwater sump pump.	10,600	1	N/A	Repair Complete	N/A
				The leak from a primary sludge pipe was repaired.	2,128	0.083	N/A N/A	Repair Completed	N/A
2/18/08	2015 NEYLAND DRIVE	KUW Third Creek	1 mildi y biddge i ipe					rtopan oomplotod	
	2015 NEYLAND DRIVE 2015 NEYLAND DRIVE 2015 NEYLAND DRIVE	KUW Third Creek KUW Third Creek KUW Third Creek KUW Third Creek	35B MH 4-51	Line capacity was exceeded by a waste hauler. A sewer main was damaged during excavation for a potable water line.	50	0.02 0.083	N/A N/A	Repair Completed Repair Completed	

Date	Street # Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
1/30/08	2101 LAUREL AVENUE	KUW	Third Creek	35B	MH 23-17		The sewer main was flushed to remove the blockage caused by rags and debris.	180	0.5		Construction Completed	N/A	N/A
4/8/08	2201 LAKE AVENUE	KUW	Third Creek	35B	MH 27-14		The sewer main was flushed to remove the blockage caused by grease.	110	1		N/A	BA/Grease Control	12 Months
6/18/09	2303 CLINCH AVENUE	ĸuw	Third Creek	35B	MH 23-5		The sewer main was flushed to remove the blockage caused by construction debris.	5,491	1		N/A	Repair Completed	N/A
5/8/09	2305 CLINCH AVENUE	KUW	Third Creek	35B	MH 23-27		The broken sewer main was repaired and the partial blockage was flushed.	180	1		N/A	Repair Completed	N/A
6/26/09	2305 CLINCH AVENUE	KUW	Third Creek		MH 39		There was a process failure of a construction bypass pump.	2,328	0.0166		N/A	Repair Completed	N/A
6/6/2011	2305 CLINCH AVENUE	KUW	Third Creek		MH 39		Blockage - Debris	750	1		N/A	BA	12 Months
3/10/2011	2377 NEYLAND DRIVE	KUW	Third Creek		MH 3		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown		Future Construction Planned	N/A	N/A
5/10/2011	2524 JACOB DRIVE	KUW	Third Creek		MH 4-9		Construction Failure - Bypass Pump Failure	2,000	2		N/A	Repair Completed	N/A
2/28/2011	2640 MORGAN CIRCLE	KUW	Third Creek	35B	MH 4-19		Rainfall in the area produced I & I and high flows in sewer mains.	1,500	3		Future Construction Planned	N/A	N/A
0/4 4/00		10.004	T I: 10 1	055			During high flow conditions, valve operations deemed necessary by operator to control			✓	Future Construction Planned (CCP Storage)		
2/14/03	KUWAHEE WWTP	KUW	Third Creek	35B	Influent Structure		flow into the WWTP resulted in an inadvertent overflow.	1,600,000	1.5			Changes to SOP and Operator Training	N/A
2/15/03	KUWAHEE WWTP	киw	Third Ore als	35B	Influent Structure		During high flow conditions, valve operations deemed necessary by operator to control	11.700.000	16.5	~	Future Construction Planned (CCP Storage)	Observed to COD and Observed Testisian	N/A
2/15/03	KOWAREE WWIP	KUW	Third Creek	300			flow into the WWTP resulted in an inadvertent overflow.	11,700,000	10.5			Changes to SOP and Operator Training	IN/A
2/16/03	KUWAHEE WWTP	киw	Third Creek	35B	Influent Structure		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	12,120,000	18	~	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
2/10/03		ROW	Third Creek	330	inident Structure		During high flow conditions, valve operations deemed necessary by operator to control	12,120,000	10			changes to Sol and operator training	IN/A
2/17/03	KUWAHEE WWTP	киw	Third Creek	35B	Influent Structure		flow into the WWTP resulted in an inadvertent overflow.	1.480.000	7	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
2				005			During high flow conditions, valve operations deemed necessary by operator to control	1,100,000				changee to ber and operator manning	
2/21/03	KUWAHEE WWTP	KUW	Third Creek	35B	Influent Structure		flow into the WWTP resulted in an inadvertent overflow.	1.320.000	2.5	~	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
							During high flow conditions, valve operations deemed necessary by operator to control			,			
2/22/03	KUWAHEE WWTP	KUW	Third Creek	35B	Influent Structure		flow into the WWTP resulted in an inadvertent overflow.	10,870,000	22.5	~	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
							During high flow conditions, valve operations deemed necessary by operator to control				Entrary Construction Planned (COP Otenana)		
4/10/03	KUWAHEE WWTP	KUW	Third Creek	35B	Influent Structure		flow into the WWTP resulted in an inadvertent overflow.	1,740,000	3	v	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
							During high flow conditions, valve operations deemed necessary by operator to control			1	Future Construction Planned (CCP Storage)		
5/5/03	KUWAHEE WWTP	KUW	Third Creek	35B	Influent Structure		flow into the WWTP resulted in an inadvertent overflow.	1,050,000	3	•	Future Construction Flatmed (CCF Storage)	Changes to SOP and Operator Training	N/A
							During high flow conditions, valve operations deemed necessary by operator to control			1	Future Construction Planned (CCP Storage)		
5/6/03	KUWAHEE WWTP	KUW	Third Creek	35B	Influent Structure		flow into the WWTP resulted in an inadvertent overflow.	22,060,000	15	-	r dare construction r lanied (cor clorage)	Changes to SOP and Operator Training	N/A
							During high flow conditions, valve operations deemed necessary by operator to control			1	Future Construction Planned (CCP Storage)		
5/7/03	KUWAHEE WWTP	KUW	Third Creek	35B	Influent Structure		flow into the WWTP resulted in an inadvertent overflow.	19,400,000	15.5			Changes to SOP and Operator Training	N/A
							During high flow conditions, valve operations deemed necessary by operator to control			✓	Future Construction Planned (CCP Storage)		
11/6/03	KUWAHEE WWTP	KUW	Third Creek	35B	Influent Structure		flow into the WWTP resulted in an inadvertent overflow.	50,000	0.72			Changes to SOP and Operator Training	N/A
1/24/02	SECONDARY JUNCTION BOX @ KUWAHEE	KUW	Third Creek	35B	Secondary Junction Box		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	1,000,000	20.5	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
												Changes to SOF and Operator Training	
1/25/02	SECONDARY JUNCTION BOX @ KUWAHEE	KUW	Third Creek	35B	Secondary Junction Box		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	50,000	2.5	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
	SECONDARY JUNCTION BOX @ KUWAHEE						During high flow conditions, valve operations deemed necessary by operator to control					changes to Sol and operator training	
3/17/02	WWTP	KUW	Third Creek	35B	Secondary Junction Box		flow into the WWTP resulted in an inadvertent overflow.	450,000	9	~	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
	SECONDARY JUNCTION BOX @ KUWAHEE						During high flow conditions, valve operations deemed necessary by operator to control					Changes to COL and Operator Haming	
3/18/02	WWTP	KUW	Third Creek	35B	Secondary Junction Box		flow into the WWTP resulted in an inadvertent overflow.	200,000	5.5	~	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
	SECONDARY JUNCTION BOX @ KUWAHEE						During high flow conditions, valve operations deemed necessary by operator to control					gee ee ee and opplator manning	
9/21/02	WWTP	KUW	Third Creek	35B	Secondary Junction Box		flow into the WWTP resulted in an inadvertent overflow.	3000	0.25	~	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
	SECONDARY JUNCTION BOX @ KUWAHEE						During high flow conditions, valve operations deemed necessary by operator to control			,		5	
2/14/03	WWTP	KUW	Third Creek	35B	Secondary Junction Box		flow into the WWTP resulted in an inadvertent overflow.	3000	0.25	~	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	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	rm Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
4/17/05	751 MURRAY DR	KUW	Third Creek	9	Grinder Pump		There was a mechanical failure of the commercial grinder pump. The pump was replaced.	4	1		N/A	Repair Completed	N/A
6/6/05	751 MURRAY DR	KUW	Third Creek	9	Grinder Pump		The residential grinder pump was replaced.	1	1		N/A	Repair Completed	N/A
1/2/06	2111 COVE VIEW WAY	FC	Fourth Creek	43	Grinder Pump		The residential grinder pump was repaired after the electrical failure of the pump.	10	4		N/A	Repair Completed	N/A
3/21/06	6917 SEAVER DRIVE	FC	Fourth Creek	27	MH 22-129		The sewer main was flushed to remove the blockage caused by debris.	256	0.5		N/A	BA	12 Months
	2017 AMHERST AVENUE	KUW		25	MH 4-111		The sewer main was flushed to remove the blockage caused by debris and resulting from	1	0.17		N/A		N/A
4/20/06			Williams Creek				vandalism.	1	-			Repair Completed	
9/20/06	4421 ROYALVIEW ROAD	KUW	Third Creek	11	Lateral Cleanout		The sewer main was flushed to remove the blockage caused by grease and roots.	750	4		N/A	BA/Grease Control	6 Months
1/3/07 1/25/07	3021 RENNOC ROAD 2862 LONDON CIRCLE	KUW KUW	First Creek First Creek	4 18	Lateral Cleanout MH 41-2		The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease.	31 240	2		N/A N/A	B A / Grease Control B A / Grease Control	12 Months 12 Months
1/27/07	4419 COSTER ROAD	KUW	First Creek	7	Cleanout		The sewer main was flushed to remove the blockage caused by roots and debris.	30	2		N/A	BA	6 Months
2/1/07	300 KINGSTON COURT	KUW	Third Creek	29	MH 8-50		The sewer main was flushed to remove the blockage caused by roots. There was no apparent cause found. Contractor flushing and a missing cleanout cap is the	180	1	✓	N/A	Repair Complete	N/A
2/6/07	4421 ROYALVIEW ROAD	KUW	Third Creek	11	Cleanout		probable scenario.	112	1		N/A	ВA	6 Months
2/13/07	409 N BROADWAY	KUW	Second Creek		MH 19-187		The sewer main was flushed to remove the blockage caused by grease.	120	1		N/A	B A / Grease Control	12 Months
2/15/07	1611 LAUREL AVENUE	KUW	Second Creek	23	Private MH		The sewer main was flushed to remove the blockage caused by grease.	480	2		N/A	BA	6 Months
			_				The sewer main was physically cleaned and flushed to remove the blockage caused by debris and						
2/15/07	3022 BORIGHT AVENUE 100 S HALL OF FAME DRIVE	KUW KUW	First Creek	8 30	MH 35 MH 14-3		due to vandalism. The sewer main was flushed to remove the blockage caused by debris.	452,520	108		N/A N/A	Repair Complete	N/A 6 Montho
2/16/07	100 S HALL OF FAME DRIVE	KUW	First Creek	30	IVIET 14-3		The sewer main was physically cleaned and flushed to remove the blockage caused by debris and	400	3		N/A	BA	6 Months
2/17/07	2600 HOLBROOK DRIVE	кuw	First Creek	4	MH 18-24		due to vandalism.	3,600	5		N/A	Repair Complete	N/A
2/22/07	1110 WOODCREST DRIVE	KUW	First Creek	7	MH 29-22		The sewer main was flushed to remove the blockage caused by roots and debris.	240	1		N/A	BA	6 Months
2/22/07	6213 ELLESMERE DRIVE	KUW	Third Creek	11	MH 48-25		The sewer main was flushed to remove the blockage caused by grease, roots and debris.	4,100	2		N/A	B A / Grease Control	6 Months
/26/07	6350 RUTLEDGE PIKE	LC	Loves Creek	105	Ruptured Force Main		A private contractor ruptured a 6" force main during an excavation.	16	1		N/A	Repair Complete	N/A
2/28/07	3325 DEWINE DRIVE	KUW	Third Creek	11	MH 5-2		The sewer main was flushed to remove the blockage caused by roots. There was a small leak at a pipe joint during a surcharge event caused by widespread power	240	2		N/A	BA	6 Months
3/3/07	2620 SCOTTISH PIKE	KUW	South Knoxville	39	Leaking Joint		outages due to high winds.	15	1	Const	uction Completed	N/A	N/A
3/5/07	1532 WILDER PLACE	KUW	Williams Creek		MH 4-56		The sewer main was flushed to remove the blockage caused by grease and debris.	108	1		N/A	B A / Grease Control	6 Months
3/22/07	4744 S. MIDDLEBROOK PIKE	KUW	Third Creek	21	Abandoned Lateral		The sewer main was flushed to remove the blockage caused by roots and debris.	1,500	5		N/A	ВA	6 Months
3/23/07		KUW	Third Creek	22	Lateral		The sewer main was flushed to remove the blockage caused by grease and roots.	375	1		N/A	B A / Grease Control	6 Months
3/24/07	1325 WILLMANN LANE	FC	Fourth Creek	36	Lateral and BBU	BBU	The sewer main was flushed to remove the blockage caused by roots.	1,575	4		N/A	BA	6 Months
3/27/07	2856 JEFFERSON AVENUE	KUW	Williams Creek	19	MH 5-75		The sewer main was flushed to remove the blockage caused by roots.	30	1	Consti	uction Completed	BA	6 Months
3/29/07	3804 W. BLOUNT AVENUE	ĸuw	South Knoxville	39	Abandoned Lateral		An open, abandoned lateral was found in a wet-weather conveyance adjacent to the sewer main.	2,588	1		N/A	Repair Complete	N/A
4/17/07	9315 RUTLEDGE PIKE	EB	Eastbridge	114	MH 65-10		The sewer main was flushed to remove the blockage caused by debris.	180	1		N/A	BA	12 Months
4/18/07	2324 N BROADWAY	KUW	First Creek	17	MH 4-113		The sewer main was flushed to remove the blockage caused by grease.	20,950	24		N/A	B A / Grease Control	6 Months
4/24/07		FC	Fourth Creek	43			There was a small leak on a low-pressure force main.	3	2		N/A	Repair Complete	N/A
5/22/07	8413 WASHINGTON PIKE	EB	Eastbridge	111	Leaking LP Force Main		There was a small leak on a low-pressure force main.	5	2		N/A	Repair Complete	N/A
5/25/07 5/31/07	1749 RIVERSIDE DRIVE 700 N BROADWAY	KUW KUW	Williams Creek	31 23	MH 16-2		The sewer main was flushed to remove the blockage caused by grease.	711 Unknown	2 Unknown	✓	N/A N/A	B A / Grease Control B A	6 Months 6 Months
6/6/07	3334 ASHLAND AVENUE	KUW	Second Creek Williams Creek		Leaking Pipe MH 21-3		The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris.	160	1	Const	uction Completed	BA	3 Months
6/6/07	5904 WASHINGTON PIKE	KUW	First Creek	2	Grease Trap		The sewer main was flushed to remove the blockage caused by grease and debris.	19	1.5	00104	N/A	B A / Grease Control	6 Months
6/7/07	2915 ISLAND HOME AVENUE	KUW	South Knoxville	40	Leaking Force Main		There was a small leak on a force main.	31	2		N/A	Repair Complete	N/A
6/10/07		FC	Fourth Creek	43			There was a failure at a KUB-owned grinder pump station.	2	1.5		N/A	Repair Complete	N/A
6/13/07	2319 SOUTHSIDE DRIVE	KUW	South Knoxville		Leaking Force Main		There was a leak on a force main near the pump station.	225	5		N/A	Repair Complete	N/A
6/27/07 7/7/07	208 HUMES STREET 2110 HARVEY STREET	KUW	First Creek Second Creek	30 15	Leaking Lateral		The sewer main was flushed to remove the blockage caused by debris. There was a leak caused by a broken lateral in the street.	30	1		N/A N/A	B A B A	12 Months 12 Months
7/11/07	1723 BREDA DRIVE	KUW	First Creek	8	Leaking Lateral MH 7-144		The sewer main was flushed to remove the blockage caused by grease.	6 288	2		N/A	B A / Grease Control	6 Months
7/12/07	4900 MURPHY ROAD	KUW	First Creek	2	MH 67-154		The sewer main was flushed to remove the blockage caused by global.	19,635	24		N/A	BA	6 Months
7/13/07	1540 AMHERST ROAD	FC	Fourth Creek	27	MH 22-74		The sewer main was flushed to remove the blockage caused by debris.	16,560	72		N/A	BA	6 Months
7/14/07		KUW	First Creek	4	MH 22-45		The sewer main was flushed to remove the blockage caused by debris.	7,967	10		N/A	ВA	6 Months
7/17/07		KUW	First Creek	18	MH 20-8		The sewer main was flushed to remove the blockage caused by grease and roots.	2,962	5.5		N/A	B A / Grease Control	6 Months
8/2/07	751 MURRAY DRIVE	KUW	Third Creek	9			The residential grinder pump had a mechanical failure.	50	1.5		N/A	Repair Complete	N/A
8/6/07	300 KINGSTON COURT 100 DALTON PLACE WAY	KUW	Third Creek Second Creek	29 10	MH 8-50 MH 20-2		The sewer main was repaired. The sewer main was flushed to remove the blockage caused by grease and roots.	10 108	2	•	N/A N/A	Repair Complete B A / Grease Control	N/A 6 Months
3/15/07 9/15/07			Williams Creek		Leaking Force Main		There was a leak on a 6" force main.	90	1		N/A N/A	Repair Complete	6 Months N/A
/25/07		KUW	Second Creek		End-of-Line		The sewer main was repaired and flushed to remove the blockage caused by debris.	11	1		N/A	B A	3 Months
0/2/07		KUW	Third Creek	11	Lateral Cleanout		The sewer main was repaired and flushed to remove the blockage caused by debid.	50	1		N/A	B A / Grease Control	18 Months
0/5/07		LC	Loves Creek	6	MH 29-355		The sewer main was flushed to remove the blockage caused by grease and roots.	5	1		N/A	B A / Grease Control	6 Months
)/21/07)/24/07		KUW KUW	First Creek First Creek	3 30	MH 6-7 MH 35		The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris.	180 180	1 1		N/A N/A	B A / Grease Control B A	6 Months 6 Months
1/3/07		EB	Eastbridge	109	Leaking Check Valve		The leaking check valve on the residential grinder pump station was repaired.	25	3		N/A	Repair Complete	N/A
1/19/07		KUW	South Knoxville Knob Creek	39 41	MH 27-280		The sewer main was flushed to remove the blockage caused by roots. There was a leak on a 12" force main.	77 95	1.5 1		N/A N/A	B A Repair Complete	6 Months N/A
1/27/07		FC	Fourth Creek	41	Leaking Force Main MH 1-26		The sewer main was flushed to remove the blockage caused by grease.	95	1		N/A N/A	B A / Grease Control	6 Months
1/30/07		KUW	Third Creek	11			The sewer main was flushed to remove the blockage caused by debris and grease.	135	0.75		N/A	B A / Grease Control	6 Months
2/26/07		KUW	First Creek	24	MHs 25-52 & 25-53		The sewer main was flushed to remove the blockage caused by grease.	720	2		N/A	B A / Grease Control	6 Months
2/20/07							The sewer main was flushed to remove the blockage caused by debris.						

2001-2011 Building Backups

Date	Street # Street	Plant	Watershed	Basin	Backup Location	Event included in SSOER	Cause of Backup/KUB Response	Volume	Duration (Hours)	Event Occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
3/18/02	5816 HOLSTON HILLS RD	LC	Loves Creek	26	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by debris.	N/A	N/A		N/A	BA	12 Months
11/8/06	1317 LOUISIANA AVENUE	KUW	Second Creek	15	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	200	1.5		N/A	Repair Completed	N/A
8/2/07	4213 WALROCK LANE	KUW	Third Creek	12	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	540	1.66		N/A	ВA	12 Months
01/25/08	2446 MARTIN L. KING JR. AVE		Williams Creek		Building Backup		The contractor did not re-establish the service connection after a rehabilitation project.	450	Unknown		N/A	Repair Completed	N/A
02/04/08	3500 ARGYLE DRIVE	_	Loves Creek		Building Backup		The sewer main was flushed to remove the blockage caused by roots.	2	0.5		N/A	BA	6 Months
07/08/08	102 LAKEVIEW DRIVE	KUW	Knob Creek	41	Building Backup		Failure by contractor to reinstate the service connection after sewer rehabilitation.	94	Unknown		N/A	Repair Completed	N/A
08/07/08	2428 LAWSON AVENUE	киw	First Creek	17	Building Backup		A plug failure occurred during a post-construction pipe pressure test by the contractor.	2	0.001		N/A	Repair Completed	N/A
10/08/08	2800 FAIRVIEW STREET	KUW		16	Building Backup Building Backup		The sewer main was flushed to remove the blockage caused by grease and roots.	200	1		N/A	BA/Grease Control	6 Months
11/01/08	4707 SEMINOLE ROAD	KUW		7	Building Backup		The sewer main was flushed to remove the blockage caused by grease and roots.	50	1.5		N/A	BA/Grease Control	3 Months
11/15/08	3321 GODFREY STREET	KUW		16	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	100	5.25		Future Construction Planned	N/A	N/A
12/10/08	5816 HOLSTON HILLS ROAD	LC	Loves Creek	26	Building Backup		There was a power failure at a pump station.	50	1		N/A	Repair Completed	N/A
12/22/08	105 SOUTH GAY STREET	KUW	First Creek	30	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	10	0.5		N/A	BA	6 Months
							The sewer main was flushed to remove the unidentified blockage influenced by heavy rainfall.		0.5		N/A	BA	
01/06/09	1033 KEOWEE AVENUE	KUW		38	Building Backup			1000					
01/06/09	5230 MCNUTT ROAD	KUW			Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	11	0.25		Future Construction Planned	<u>N/A</u>	N/A
02/01/09	4413 DEERFIELD ROAD	KUW			Building Backup		The sewer main was flushed to remove the blockage caused by roots.	1	1		Future Construction Planned	N/A	N/A
03/15/09 03/17/09	4726&4728 BALL CAMP PIKE 2860 LINDEN AVENUE	KUW	Third Creek Williams Creek		0 .		The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris.	375	0.5		N/A N/A	BA/Grease Control BA/Grease Control	1 Month 3 Months
4/13/09	1848 FRATERNITY PARK DRIVE	KUW				✓	The capacity of the sewer main was exceeded when a swimming pool was drained.	650	2.25		N/A N/A	Repair Completed	N/A
04/21/09	4213 WALROCK LANE	KUW		12			The sewer main was flushed to remove the blockage caused by roots.	10	0.17		N/A	BA	6 Months
								900	Intermittent over severa	al	N/A	Repair Completed	N/A
5/14/09	200 E. JACKSON AVE	KUW	First Creek	30	Building Backup		The service lateral was not reconnected to the sewer main during construction.		weeks				
05/20/09	5508 LAKESHORE DRIVE	KUW	Knob Creek	41	Building Backup		Building backup due to sewer main flushing.	1	0.017		N/A	N/A	N/A
05/24/09	4304 GLASGOW ROAD	KUW	First Creek	7	Building Backup		The sewer main was flushed to remove the blockage caused by roots and grease.	100	2.25		N/A	BA/Grease Control	6 Months
05/27/09	8714 STRAWBERRY PLAINS PIKE	EB		72			Building backup due to sewer main flushing.	2	0.016		N/A	BA/Grease Control	6 Months
05/28/09	2536 NICHOLS AVENUE	_	Williams Creek		Building Backup		The sewer main was flushed to remove the blockage caused by debris.	15	0.33		N/A	BA/Grease Control	12 Months
06/10/09	4016 WAYNE DRIVE		Loves Creek		Building Backup		The sewer main was flushed to remove an unknown blockage.	3	0.33		N/A	BA	3 Months
07/13/09	4900 ADA LANE 2709 SPRING HILL ROAD	KUW LC		2	Building Backup		Building backup due to sewer main flushing.	98 20	0.5		N/A N/A	N/A N/A	N/A N/A
07/15/09 09/01/09	2716 SUTHERLAND AVENUE	KUW		29	Building Backup Building Backup		Building backup due to a damaged lateral during gas main installation. The sewer main was flushed to remove the blockage caused by debris.	200	9.5		N/A N/A	BA	1 Month
09/25/09	3001 GINNBROOKE LANE	KUW			Building Backup		The sewer main was flushed to remove the blockage caused by debris.	100	120 Intermittently		Future Construction Planned	N/A	N/A
09/26/09	2725 E. GOVERNOR JOHN SEVIER HWY	KUW		60	Building Backup		Rainfall in the area produced I & I and high flows in sewer mains.	50	1		Construction Complete	N/A	N/A
09/26/09	2637 W. BLOUNT AVENUE	-	South Knoxville		Building Backup		Rainfall in the area produced I & I and high flows in sewer mains.	1000	2		Construction Complete	N/A	N/A
10/10/09	4111 BRUHIN RD	KUW					The sewer main was flushed to remove the blockage caused by grease.	50	29 intermit		N/A	BA/Grease Control	6 Months
10/13/09	3605 GARDEN DRIVE	KUW	First Creek	3	Building Backup		Customer's lateral not reconnected to sewer main after mainline construction.	5	0.25		N/A	Repair Completed	N/A
10/21/09	1300 TEXAS AVENUE	KUW	Second Creek	15	Building Backup		Customer's lateral not reconnected to sewer main after mainline construction.	5	0.5		N/A	Repair Completed	N/A
							The sewer main was flushed to remove the blockage caused by roots and influenced by heavy		1		N/A	BA	6 Months
01/24/10	1109 BIDDLE STREET	KUW		25	Building Backup	~	rainfall.	1000					
02/03/10	5401 GREENCREST ROAD	KUW		1	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	15	1		N/A	BA	6 Months
02/26/10	4337 FOUNTAIN DRIVE	KUW		13	Building Backup		Building backup due to sewer main flushing.	1 33	0.02		N/A N/A	N/A BA/Grease Control	N/A 6 Months
02/26/10	1127 MAGNET PLACE 319 ECHODALE LANE		Williams Creek		Building Backup		The sewer main was flushed to remove the blockage caused by roots and grease. The sewer main was flushed to remove the blockage caused by roots.	33	0.5		N/A NA	Repair Completed	NA
03/29/10	2924 SUTHERLAND AVENUE	KUW	South Knoxville Third Creek	e 41 28	Building Backup Building Backup		Building backup due to sewer main flushing.	5	0.05		N/A	N/A	N/A
03/30/10	2920 SUTHERLAND AVENUE	KUW		28	Building Backup		Building backup due to sewer main flushing.	1	0.02		N/A N/A	N/A	N/A N/A
04/09/10	8630 ASHEVILLE HIGHWAY	EB	Eastbridge	72	Building Backup	~	The sewer main was flushed to remove the blockage caused by debris.	950	15		N/A	BA	12 Months
05/03/10	1709 FAIRMONT BOULEVARD	KUW		16	Building Backup	-	The sewer main was flushed to remove the blockage caused by roots.	300	4		N/A	BA	6 Months
05/03/10	5816 HOLSTON HILLS ROAD	LC			Building Backup	✓	The SSO/BBU was caused by temporary electrical failure during high rainfall event.	940	1.5		N/A	Repair Completed / BA	12 Months
05/03/10	6421 SHETLAND DRIVE	KUW	South Knoxville				The service lateral was not reconnected to the sewer main during construction.	10	1		NA	Repair Completed	NA
05/17/10	223 BERNARD AVENUE	KUW	Second Creek	23	Building Backup		The service lateral was not reconnected to the sewer main during construction.	20	4		N/A	Repair Completed	N/A
05/24/10	1316 CASSELL DRIVE	KUW	Second Creek	10	Building Backup		Building backup due to sewer main flushing.	1.5	0.016666667		N/A	N/A	N/A
07/16/10	1700 CLINCH AVENUE	KUW	Second Creek	35a	Building Backup		The service lateral was not reconnected to the sewer main during construction.	500	4		N/A	Repair Completed	N/A
07/22/10	1317 LOUISIANA AVENUE	KUW	Second Creek	15	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	500	3		N/A	BA	6 Months
11/07/10	1808 BRADSHAW GARDEN ROAD	KUW					The sewer main was flushed to remove the blockage caused by debris.	5	1		N/A	BA	6 Month
11/09/10	735 REED STREET	KUW					The sewer main was flushed to remove the blockage caused by debris.	50	2.25		N/A	BA	6 Month
12/06/10	541 WOODLAWN PIKE	KUW					The SSO was caused by a broken sewer main.	500	5		NA	Repair Completed	N/A
02/02/11 02/07/11	2101 EDGEWOOD AVENUE 800 TYSON STREET	KUW	First Creek Second Creek				Construction Failure - Sewer main cleaning Construction Failure - Lateral not reconnected during construction	50 1100	0.25 Unknown	✓	N/A N/A	Repair Completed	N/A N/A
02/07/11		KUW					Blockage - Grease, Influenced by Heavy Rainfall	1500	<u>Unknown</u> 3		N/A N/A	Repair Completed BA/Grease Control	12 Months
02/28/11	445 BLOUNT AVENUE	KUW					Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
02/28/11	1912 PARIS ROAD	KUW					Rainfall in the area produced I & I and high flows in sewer mains.	30	0.5	1	Future Construction Planned	N/A	N/A N/A
02/28/11	143 SOUTH VAN GILDER STREET	KUW					Rainfall in the area produced I & I and high flows in sewer mains.	5	0.5		Future Construction Planned	N/A	N/A
03/02/11	2800 FAIRVIEW STREET	KUW					Construction Failure - Bypass pumping failure	40	1		N/A	Repaired Completed	N/A
	21115 & 2115 EDGEWOOD AVENUE	KUW	First Creek	16			Rainfall in the area produced I & I and high flows in sewer mains.	1100	1	√	Construction Completed	N/A	N/A
03/04/11	4317 HIAWATHA DRIVE	KUW					Rainfall in the area produced I & I and high flows in sewer mains.	40	1		Future Construction Planned	N/A	N/A
03/22/11	4924 LONAS ROAD	FC					Construction Failure - Sewer main cleaning	200	1.5		N/A	Repair Completed	N/A
03/24/11	205 WEST BAXTER AVENUE	KUW		-			Construction Failure - Bypass pumping failure	200	1		N/A	Repair Completed	N/A
04/07/11	3526 BUFFAT MILL ROAD	KUW					Blockage - Roots	300	4	,	N/A	BA	12 Months
04/30/11 06/24/11		KUW					Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	10	0.5	✓ ✓	Future Construction Planned	N/A N/A	N/A N/A
UD/24/11	2111 EDGEWOOD AVENUE 3619 ESSARY DRIVE	KUW KUW			BBU BBU		Rainfail in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	200 1550	<u> </u>	v	Construction Completed Future Construction Planned	<u> </u>	N/A N/A
		KUW					Rainfall in the area produced 1 & 1 and high flows in sewer mains.	50	1.5		Future Construction Planned	N/A N/A	N/A N/A
06/24/11	2300 GREENELELD LANE	11000					Construction Failure - Bypass pumping failure	225	0.083		N/A	Repair Completed	N/A
06/24/11 06/24/11	2300 GREENFIELD LANE 719 F LAKE FOREST DRIVE	KLIW/	Knob Creek		BRU				0.000				1977
06/24/11 06/24/11 07/13/11	719 E LAKE FOREST DRIVE	KUW					Blockage - Grease	100	1				12 Months
06/24/11 06/24/11		KUW KUW LC	Third Creek	11	BBU		Blockage - Grease Grinder Pump Failure	100 20	<u>1</u> 1		N/A N/A	BA/Grease Control Repair Completed	12 Months N/A
06/24/11 06/24/11 07/13/11 08/25/11	719 E LAKE FOREST DRIVE 4209 CHINKAPIN LANE	KUW	Third Creek Loves Creek	11	BBU				1 1 2		N/A	BA/Grease Control	
06/24/11 06/24/11 07/13/11 08/25/11 09/01/11	719 E LAKE FOREST DRIVE 4209 CHINKAPIN LANE 6235 RUTLEDGE PIKE	KUW LC	Third Creek Loves Creek First Creek	11	BBU Grinder Pump and BBU		Grinder Pump Failure	20			N/A N/A N/A N/A	BA/Grease Control Repair Completed	N/A
06/24/11 06/24/11 07/13/11 08/25/11 09/01/11 12/10/11	719 E LAKE FOREST DRIVE 4209 CHINKAPIN LANE 6235 RUTLEDGE PIKE 5209 MURPHY ROAD	KUW LC KUW	Third Creek Loves Creek First Creek Third Creek Fourth Creek	11 105 2 9 43	BBU Grinder Pump and BBU BBU & SSO BBU Residential Grinder Pump and BBU		Grinder Pump Failure Construction Failure - grinder pump reinstated & area cleaned.	20 30	2		N/A N/A N/A	BA/Grease Control Repair Completed Repair Completed	N/A N/A

2001-2011 Building Backups

Date	Street # Street	Plant	Watershed	Basi	in Backup Location	Event included in SSOER	Cause of Backup/KUB Response	Volume	Duration (Hours)	Event Occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
06/24/11	3619 ESSARY DRIVE	KUW	First Creek	1	BBU		Rainfall in the area produced I & I and high flows in sewer mains.	1550	1.5		Future Construction Planned	N/A	N/A
02/03/10	5401 GREENCREST ROAD	KUW	First Creek	1			The sewer main was flushed to remove the blockage caused by roots.	15	1		N/A	BA	6 Months
07/13/09	4900 ADA LANE	KUW	First Creek	2			Building backup due to sewer main flushing.	98	0.5		N/A	N/A	N/A
12/10/11	5209 MURPHY ROAD	KUW	First Creek	2			Construction Failure - grinder pump reinstated & area cleaned.	30	2		N/A	Repair Completed	N/A
10/13/09	3605 GARDEN DRIVE	KUW	First Creek	3	<u>.</u>		Customer's lateral not reconnected to sewer main after mainline construction.	5	0.25		N/A	Repair Completed	N/A
07/15/09 06/10/09	2709 SPRING HILL ROAD 4016 WAYNE DRIVE	LC LC	Loves Creek	6			Building backup due to a damaged lateral during gas main installation.	20	6 0.33		N/A N/A	N/A BA	N/A 3 Months
05/24/09	4016 WATNE DRIVE	KUW	Loves Creek First Creek	7	<u>.</u>		The sewer main was flushed to remove an unknown blockage. The sewer main was flushed to remove the blockage caused by roots and grease.	100	2.25		N/A N/A	BA/Grease Control	6 Months
11/01/08	4707 SEMINOLE ROAD	KUW	First Creek	7	<u>.</u>		The sewer main was flushed to remove the blockage caused by roots and grease.	50	1.5		N/A N/A	BA/Grease Control	3 Months
	3218 & 3220 AVONDALE AVENUE	KUW	First Creek	8	<u>.</u>		Blockage - Grease, Influenced by Heavy Rainfall	1500	3		N/A	BA/Grease Control	12 Months
12/22/11	5733 WILKERSON ROAD	KUW	Third Creek	9			Blockage - Olease, Initiative of Party Raiman	310	4		N/A	BA	12 Months
05/24/10	1316 CASSELL DRIVE	KUW	Second Creek	10			Building backup due to sewer main flushing.	1.5	0.016666667		N/A	N/A	N/A
10/10/09	4111 BRUHIN RD	KUW	Second Creek	10			The sewer main was flushed to remove the blockage caused by grease.	50	29 intermit		N/A	BA/Grease Control	6 Months
08/25/11	4209 CHINKAPIN LANE	KUW	Third Creek	11			Blockage - Grease	100	1		N/A	BA/Grease Control	12 Months
02/01/09	4413 DEERFIELD ROAD	KUW	Third Creek	11			The sewer main was flushed to remove the blockage caused by roots.	1	1		Future Construction Planned	N/A	N/A
8/2/07	4213 WALROCK LANE	KUW	Third Creek	12	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	540	1.66		N/A	BA	12 Months
04/21/09	4213 WALROCK LANE	KUW	Third Creek	12	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	10	0.17		N/A	BA	6 Months
03/15/09	4726&4728 BALL CAMP PIKE	KUW	Third Creek	12	Building Backup		The sewer main was flushed to remove the blockage caused by grease.	375	0.5		N/A	BA/Grease Control	1 Month
11/07/10	1808 BRADSHAW GARDEN ROAD	KUW	Third Creek	13	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	5	1		N/A	BA	6 Month
02/28/11	1912 PARIS ROAD	KUW	Third Creek	13	BBU		Rainfall in the area produced I & I and high flows in sewer mains.	30	0.5		Future Construction Planned	N/A	N/A
02/26/10	4337 FOUNTAIN DRIVE	KUW	Third Creek	13	Building Backup		Building backup due to sewer main flushing.	1	0.02		N/A	N/A	N/A
10/21/09	1300 TEXAS AVENUE	KUW	Second Creek	15			Customer's lateral not reconnected to sewer main after mainline construction.	5	0.5		N/A	Repair Completed	N/A
11/8/06	1317 LOUISIANA AVENUE	KUW	Second Creek	-	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	200	1.5		N/A	Repair Completed	N/A
07/22/10	1317 LOUISIANA AVENUE	KUW	Second Creek	15			The sewer main was flushed to remove the blockage caused by roots.	500	3		N/A	BA	6 Months
05/03/10	1709 FAIRMONT BOULEVARD	KUW	First Creek	16			The sewer main was flushed to remove the blockage caused by roots.	300	4		N/A	BA	6 Months
02/02/11	2101 EDGEWOOD AVENUE	KUW	First Creek	16	-		Construction Failure - Sewer main cleaning	50	0.25	√	N/A	Repair Completed	N/A
06/24/11	2111 EDGEWOOD AVENUE	KUW	First Creek	16	-		Rainfall in the area produced I & I and high flows in sewer mains.	200	1	√	Construction Completed	N/A	N/A
10/08/08	2800 FAIRVIEW STREET	KUW	First Creek	16			The sewer main was flushed to remove the blockage caused by grease and roots.	200	1		N/A	BA/Grease Control	6 Months
03/02/11	2800 FAIRVIEW STREET	KUW	First Creek	16			Construction Failure - Bypass pumping failure	40	1		N/A	Repaired Completed	N/A
11/15/08	3321 GODFREY STREET	KUW	First Creek	16			The sewer main was flushed to remove the blockage caused by roots.	100	5.25	,	Future Construction Planned	N/A	N/A
	21115 & 2115 EDGEWOOD AVENUE	KUW	First Creek	16			Rainfall in the area produced I & I and high flows in sewer mains.	1100	1	√	Construction Completed	N/A	N/A
08/07/08	2428 LAWSON AVENUE	KUW	First Creek	17	<u>.</u>		A plug failure occurred during a post-construction pipe pressure test by the contractor.	3	0.001		N/A	Repair Completed	N/A
06/24/11	2300 GREENFIELD LANE	KUW	First Creek	18			Rainfall in the area produced I & I and high flows in sewer mains.	50	1		Future Construction Planned	N/A	N/A
04/07/11	3526 BUFFAT MILL ROAD 2446 MARTIN L, KING JR, AVE	KUW	First Creek	-	MH 65-19 and BBU	1	Blockage - Roots	300	4 Unknown		N/A N/A	BA	12 Months N/A
01/25/08		KUW	Williams Creek Williams Creek	-			The contractor did not re-establish the service connection after a rehabilitation project.	450				Repair Completed	12 Months
05/28/09 03/17/09	2536 NICHOLS AVENUE 2860 LINDEN AVENUE	KUW	Williams Creek	-			The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris.	15 1	0.33		N/A N/A	BA/Grease Control BA/Grease Control	3 Months
11/09/10	735 REED STREET	KUW	Third Creek	22			The sewer main was flushed to remove the blockage caused by debris.	50	2.25		N/A N/A	BAGlease Control	6 Month
03/24/11	205 WEST BAXTER AVENUE	KUW	Second Creek	23			Construction Failure - Bypass pumping failure	200	1		N/A	Repair Completed	N/A
05/17/10	223 BERNARD AVENUE	KUW	Second Creek	23			The service lateral was not reconnected to the sewer main during construction.	200	4		N/A N/A	Repair Completed	N/A
02/07/11	800 TYSON STREET	KUW	Second Creek	23			Construction Failure - Lateral not reconnected during construction	1100	Unknown		N/A	Repair Completed	N/A
02/28/11	143 SOUTH VAN GILDER STREET	KUW	First Creek	24			Rainfall in the area produced I & I and high flows in sewer mains.	5	0.5		Future Construction Planned	N/A	N/A
01/24/10	1109 BIDDLE STREET	KUW	Williams Creek	25		✓	The sewer main was flushed to remove the blockage caused by roots and influenced by heavy	/ 1000	1		N/A	BA	6 Months
02/04/08	3500 ARGYLE DRIVE	LC	Loves Creek	26			The sewer main was flushed to remove the blockage caused by roots.	2	0.5		N/A	BA	6 Months
3/18/02	5816 HOLSTON HILLS RD	LC	Loves Creek	26			Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by	N/A	N/A		N/A	BA	12 Months
12/10/08	5816 HOLSTON HILLS ROAD	LC	Loves Creek	26			There was a power failure at a pump station.	50	1		N/A	Repair Completed	N/A
05/03/10	5816 HOLSTON HILLS ROAD	LC	Loves Creek	26		✓	The SSO/BBU was caused by temporary electrical failure during high rainfall event.	940	1.5		N/A	Repair Completed / BA	12 Months
04/05/10	2920 SUTHERLAND AVENUE	KUW	Third Creek	28			Building backup due to sewer main flushing.	1	0.02		N/A	N/A	N/A
03/30/10	2924 SUTHERLAND AVENUE	KUW	Third Creek	28			Building backup due to sewer main flushing.	15	0.05		N/A	N/A	N/A
09/01/09	2716 SUTHERLAND AVENUE	KUW	Third Creek	29			The sewer main was flushed to remove the blockage caused by debris.	200	9.5		N/A	BA	1 Month
12/22/08	105 SOUTH GAY STREET	KUW	First Creek	30	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	10	0.5		N/A	BA	6 Months
5/14/09	200 E. JACKSON AVE	KUW	First Creek	30	Building Backup		The service lateral was not reconnected to the sewer main during construction.	900	Intermittent over		N/A	Repair Completed	N/A
02/26/10	1127 MAGNET PLACE	KUW	Williams Creek	31	Building Backup		The sewer main was flushed to remove the blockage caused by roots and grease.	33	2		N/A	BA/Grease Control	6 Months
03/22/11	4924 LONAS ROAD	FC	Fourth Creek	33			Construction Failure - Sewer main cleaning	200	1.5		N/A	Repair Completed	N/A
12/29/11	4525 OLD KINGSTON PIKE	KUW	Third Creek	34			System Failure- Sewer Main Collapse. Sewer main was repaired.	50	3		N/A	Repair Completed	N/A
01/06/09	1033 KEOWEE AVENUE	KUW	Third Creek	38	Building Backup		The sewer main was flushed to remove the unidentified blockage influenced by heavy rainfall.	1000	0.5		N/A	BA	
03/04/11	4317 HIAWATHA DRIVE	KUW	Third Creek	38	BBU		Rainfall in the area produced I & I and high flows in sewer mains.	40	1		Future Construction Planned	N/A	N/A
02/28/11	445 BLOUNT AVENUE	KUW	South Knox	39			Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	√	Future Construction Planned	N/A	N/A
04/30/11	445 BLOUNT AVENUE	KUW	South Knox	39			Rainfall in the area produced I & I and high flows in sewer mains.	10	0.5	✓	Future Construction Planned	N/A	N/A
09/26/09	2637 W. BLOUNT AVENUE	KUW	South Knoxville		Building Backup		Rainfall in the area produced I & I and high flows in sewer mains.	1000	2		Construction Complete	N/A	N/A
12/06/10	541 WOODLAWN PIKE	KUW	South Knox	40	Building Backup		The SSO was caused by a broken sewer main.	500	5	Ν	NA	Repair Completed	NA
07/08/08	102 LAKEVIEW DRIVE	KUW	Knob Creek		Building Backup		Failure by contractor to reinstate the service connection after sewer rehabilitation.	94	Unknown		N/A	Repair Completed	N/A
03/29/10	319 ECHODALE LANE	KUW	South Knoxville				The sewer main was flushed to remove the blockage caused by roots.	5	0.5	N	NA	Repair Completed	NA
07/13/11	719 E LAKE FOREST DRIVE	KUW	Knob Creek	41	-		Construction Failure - Bypass pumping failure	225	0.083		N/A	Repair Completed	N/A
01/06/09	5230 MCNUTT ROAD	KUW	Knob Creek		Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	11	0.25		Future Construction Planned	N/A	N/A
05/20/09	5508 LAKESHORE DRIVE	KUW	Knob Creek	41		1	Building backup due to sewer main flushing.	1	0.017		N/A	N/A	N/A
05/03/10	6421 SHETLAND DRIVE	KUW	South Knoxville		Building Backup		The service lateral was not reconnected to the sewer main during construction.	10	1	N	NA	Repair Completed	NA
12/24/11	5347 BENT RIVER BOULEVARD	FC	Fourth Creek		ntial Grinder Pump a	ind BBU	Grinder Pump Failure	5	1		N/A	Repair Completed	N/A
09/25/09	3001 GINNBROOKE LANE	KUW	South Knoxville		Building Backup		The sewer main was flushed to remove the blockage caused by debris.	100	120 Intermittently		Future Construction Planned	N/A	N/A
09/26/09	2725 E. GOVERNOR JOHN SEVIER HV		Riverdale		Building Backup	1	Rainfall in the area produced I & I and high flows in sewer mains.	50	1		Construction Complete	N/A	N/A
04/09/10	8630 ASHEVILLE HIGHWAY	EB	Eastbridge		Building Backup		The sewer main was flushed to remove the blockage caused by debris.	950	15		N/A	BA	12 Months
05/27/09	8714 STRAWBERRY PLAINS PIKE	EB	Eastbridge		Building Backup		Building backup due to sewer main flushing.	2	0.016		N/A	BA/Grease Control	6 Months
09/01/11	6235 RUTLEDGE PIKE	LC	Loves Creek		5 Grinder Pump and BB		Grinder Pump Failure	20	1		N/A	Repair Completed	N/A
07/16/10	1700 CLINCH AVENUE	KUW	Second Creek		a Building Backup		The service lateral was not reconnected to the sewer main during construction. The capacity of the sewer main was exceeded when a swimming pool was drained.	500	4 2.25		N/A N/A	Repair Completed	N/A
4/13/09	1848 FRATERNITY PARK DRIVE	KUW	Third Creek		3 Building Backup			650				Repair Completed	N/A

BBUs to be deleted

	Street # Street	Plant	Watershed	Basin	Backup Location	Event included Cause of Backup/KUB Response in SSOER	Volume	(Hours) 12 months	J 1 7	Short-Term Controls Blockage Abatement (BA)	BA Schedule
9/1/02	3550 PLEASANT RIDGE ROAD	KUW		22	Building Backup	The sewer main was flushed to remove the blockage caused by debris.	N/A	N/A	N/A	BA	3 Months
4/27/05	6220 WESTERN AVE	KUW		11	Building Backup	The sewer main was flushed to remove the blockage caused by grease.	N/A	N/A	N/A	BA/Grease Control	6 Months
4/12/06	2408 ABERDEEN LANE	-	South Knoxville	40	Building Backup	Routine sewer main flushing resulted in a building backup at this residence.	10	0.5	Construction Completed	Changes to SOP and Operator Training	N/A
1/2/07	1919 LAUREL AVENUE	KUW	Third Creek	29	Building Backup	The sewer main was flushed to remove the blockage caused by rags and debris.	15	1	N/A	BA	6 Months
1/9/07	3933 BUFFAT MILL ROAD	LC	Loves Creek	6	Building Backup	Routine sewer main flushing by a private contractor resulted in a building backup at this residence.	3	0.05	N/A	Operator Training / B A	6 Months
1/27/07	4419 COSTER ROAD		First Creek	7	Building Backup	The sewer main was flushed to remove the blockage caused by roots and debris.	2	0.05	N/A	BA	6 Months
1/28/07	1313 GATEWOOD LANE	FC	Fourth Creek	36	Building Backup	The sewer main was flushed to remove the blockage caused by debris.	10	2	N/A	BA	3 Months
2/6/07	4021 VALLEY VIEW DRIVE	LC	Loves Creek	6	Building Backup	Routine sewer main flushing by a private contractor resulted in a building backup at this residence.	1	0.03	Construction Completed	N/A	N/A
2/6/07	4101 VALLEY VIEW DRIVE	LC	Loves Creek	6	Building Backup	Routine sewer main flushing by a private contractor resulted in a building backup at this residence.	3	0.05	Construction Completed	N/A	N/A
2/11/07	3807 LONAS DRIVE	KUW		25	Building Backup	The sewer main was flushed to remove the blockage caused by grease.	400	2	N/A	B A / Grease Control	12 Months
3/6/07	3831 TALILUNA AVENUE	KUW		38	Building Backup	The sewer main was flushed to remove the blockage caused by roots.	3	0.5	N/A	BA	3 Months
4/15/07	4105 MILTON STREET	KUW	First Creek	16	Building Backup	The sewer main was flushed to remove the blockage caused by roots, grease and debris.	2150	Unknown	N/A	B A / Grease Control	6 Months
5/7/07	401 GEORGIA STREET	ĸuw	First Creek	24	Building Backup	The sewer main was flushed to remove the blockage caused by debris due to a broken pipe.	2	0.25	N/A	Repair Complete	N/A
5/8/07	7309 HARDY LANE	LC	Loves Creek	63	Building Backup	Routine sewer main flushing by a private contractor resulted in a building backup at this residence.	1	0.05	Construction Completed	N/A	N/A
5/15/07	220 CLINCH AVENUE	κυw	First Creek	30	Building Backup	A contractor inadvertantly left a sewer plug in a customer's service lateral after a manhole rehabilitation.	300	3	N/A	Repair Complete	N/A
5/16/07	909 KINGLAND AVENUE	кuw	South Knoxville	40	Building Backup	Routine sewer main flushing by a private contractor resulted in a building backup at this residence.	3	0.05	N/A	Operator Training	N/A
	& 2408 ABERDEEN LANE		South Knoxville		Building Backup	Routine sewer main flushing by a private contractor resulted in a building backup at this residence.	4	0.05	N/A	Operator Training	12 Months
5/29/07	1705 SOUTH HILLS DRIVE		South Knoxville	39	Building Backup	A contractor-operated bypass pump failed during a sewer main replacement project.	244	1 ~	N/A	Repair Complete	N/A
6/5/07	1705 SOUTH HILLS DRIVE	-	South Knoxville		Building Backup	There was a brief surcharge in the sewer main during restoration.	0	0.05 🗸	N/A	Repair Complete	N/A
6/30/07	5901 LOICE LANE	LC		20	Building Backup	The sewer main was flushed to remove the blockage caused by roots.	100	2	N/A	BA	6 Months
7/28/07	3808 KINCAID STREET	KUW		16	Building Backup	The sewer main was flushed to remove the blockage caused by debris.	225	1	N/A	BA	6 Months
7/28/07	1434 NOLAN AVENUE	KUW		22	Building Backup	The sewer main was flushed to remove the blockage caused by grease.	450	1.5	N/A	B A / Grease Control	6 Months
8/3/07	4416 DEERFIELD ROAD	KUW		11	Building Backup	The sewer main was flushed to remove the blockage caused by grease and roots.	75	1	N/A	B A / Grease Control	12 Months
8/19/07	3550 PLEASANT RIDGE ROAD	KUW		22	Building Backup	The sewer main was flushed to remove the blockage caused by grease and debris.	8,860	2	N/A	B A / Grease Control	1 Month
8/23/07	501 W. MAIN STREET	-	Second Creek	23	Building Backup	The sewer main was flushed to remove the blockage caused by debris.	100	1	N/A	BA	6 Months
8/23/07 8/29/07	6220 WESTERN AVENUE 3428 LAKE VIEW DRIVE	KUW KUW		11 38	Building Backup Building Backup	The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by roots and debris.	10 1.870	1	N/A N/A	B A / Grease Control	3 Months 6 Months
8/29/07	530 S. GAY STREET	KUW		38	Building Backup	The broken sewer pipe was repaired.	24.480	4	Construction Completed	B A N/A	N/A
11/15/07	3254 WILDERNESS ROAD	KUW	First Creek	18	Building Backup	Routine sewer main flushing resulted in a building backup at this residence.	24,480	0.08	N/A	Operator Training	N/A N/A
11/26/07	1316 KIRBY ROAD	FC		33	Building Backup	The sewer main was flushed to remove the blockage caused by roots.	250	5	N/A N/A	BA	3 Months
11/27/07	2905 BELLEVUE STREET	KUW		16	Building Backup	The sewer main was flushed to remove the blockage caused by roots and debris.	91	5	N/A N/A	BA	6 Months
12/14/07	503 HOUSTON STREET	-	Williams Creek	10	0 1	The sewer main was flushed to remove the blockage caused by roots and debris.	32	0.5	N/A N/A	BA	12 Months
12/14/07	2013 COUNTRYHILL LANE			32A	Building Backup	The sewer main was flushed to remove the blockage caused by debris.	32 <1	<0.05	N/A N/A	BA	12 Months
12/27/07		FC	Fourth Creek	JZA	Building Backup	The sewer main was ilushed to remove the blockage caused by debris.	< I	SU.U3	IN/A	ВА	