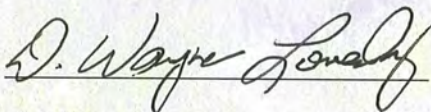


2003-2011 Sanitary Sewer Overflow Evaluation Report

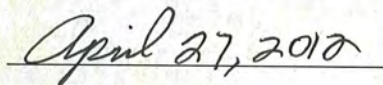
Including Building Backups and Trend Analysis

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



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.

Table 1. Knoxville Airport Rain Gauge Data

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%

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 wet-weather 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.
4. **Plant:** The wastewater treatment plant (WWTP) that receives wastewater from the collection system in the area of the overflow. **Abbreviations:** **EBR** – Eastbridge WWTP; **FC** – Fourth Creek WWTP; **KUW** – Kuwahee WWTP; **LC** – Loves Creek WWTP.
5. **Watershed:** A natural geographic area draining to a particular waterway, such as First Creek.
6. **Basin:** A small area of the sewer system separated by natural topography or system configuration. KUB identifies basins by a number.
7. **Overflow Location:** This location information is specific to the KUB system, listing manhole numbers (MH#), pump stations, etc., or if the overflow was on a customer lateral or at a broken pipe.
8. **Private Property Location:** 'BB' indicates that a sewer backed up into a building in association with a reportable SSO. Building backups associated with overflows are shown in the building backup spreadsheet.
9. **Cause of SSO/KUB Response:** 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.
4. **Plant:** The wastewater treatment plant (WWTP) that receives wastewater from the collection system in the area of the backup. **Abbreviations:** **EBR** – Eastbridge WWTP; **FC** – Fourth Creek WWTP; **KUW** – Kuwahee WWTP; **LC** – Loves Creek WWTP.
5. **Watershed:** A natural geographic area draining to a particular waterway, such as First Creek.
6. **Basin:** A small area of the sewer system separated by natural topography or system configuration. KUB identifies basins by a number.
7. **Backup Location:** Identifies if the backup occurred in a building and/or other private structure (manhole, clean-out, etc.).
8. **Event Included in SSOER:** A check mark indicates if this building backup was associated with a public overflow event on the SSOER.
9. **Cause of Backup/KUB Response:** 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.

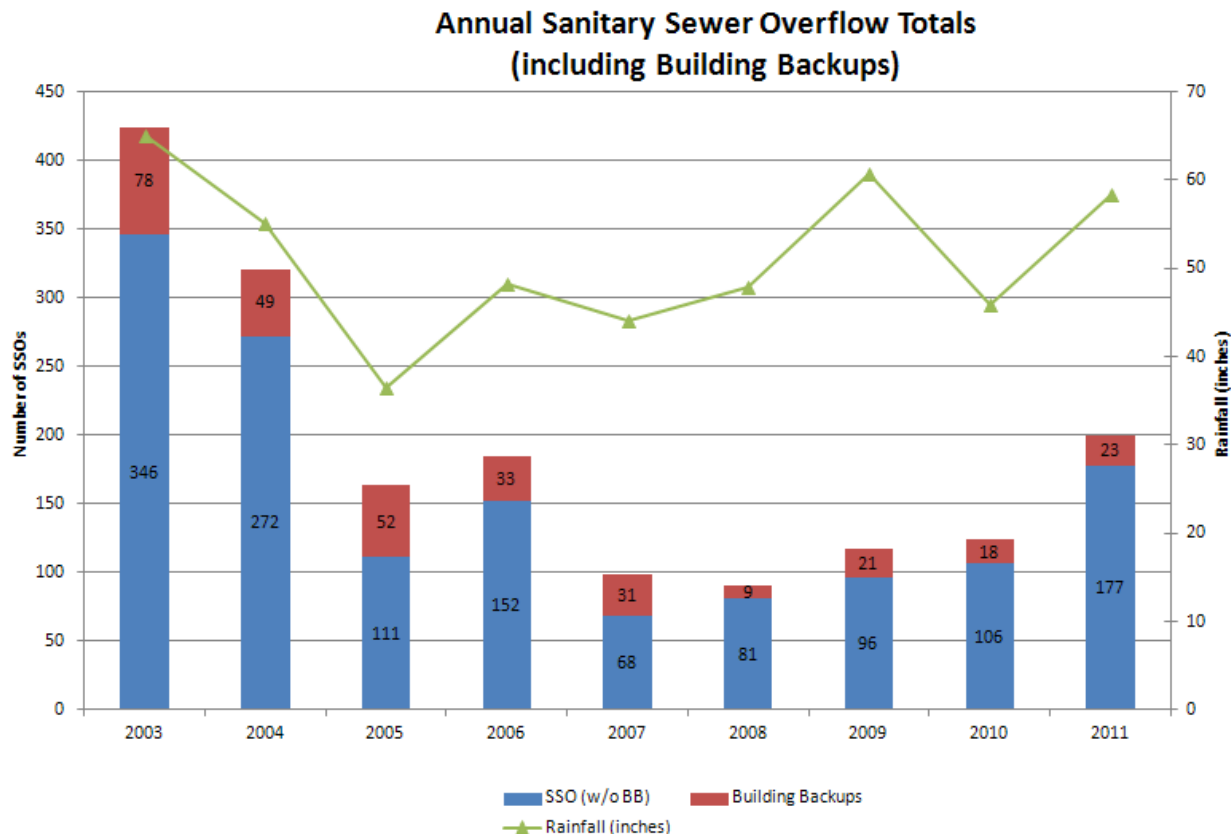
- 15. BA Schedule:** The frequency of scheduled maintenance for areas experiencing backups being alleviated by short-term measures.

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

Figure 1



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

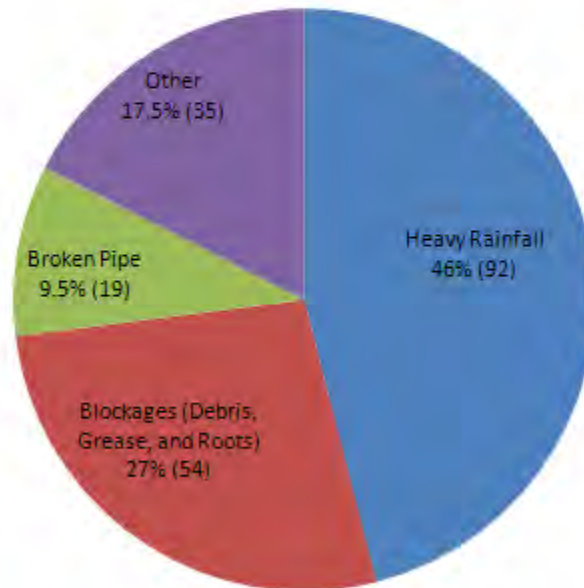
of annual rainfall had not occurred since 2003 when the area received 65 inches of rain throughout the year, but in 2009 only 29 wet-weather SSOs occurred compared to over 200 in 2003. Then in January of 2010 our service area received an additional six inches of rain when the ground was already saturated 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.

Figure 2
KUB Causes of SSOs in 2011
(Including Building Backups)



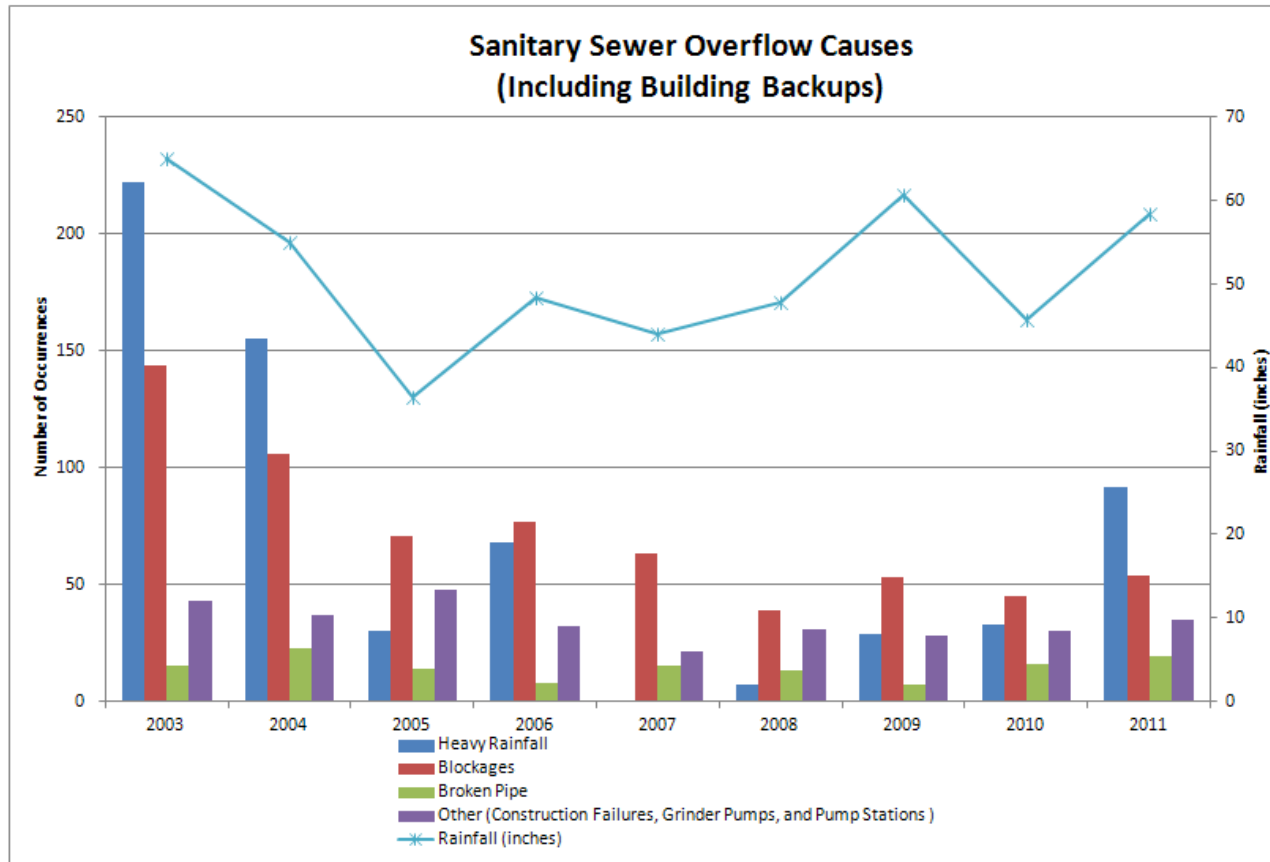
Causes of Sanitary Sewer Overflows

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.

Figure 3



Analysis by Category

Blockages

These events were a result of debris, grease, or roots in the sewer lines that triggered overflows upstream. The events may have occurred during dry or wet weather but were included in this category because a blockage was at least partially responsible for the overflow.

As illustrated in Figure 3, blockage-related events have been the major cause of SSOs in recent years, but they have declined by 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.

Table 2. Wet-Weather Event Comparison

Event Period	Amount of Rainfall (inches)					Wet Weather SSOs	Secondary Diversion Volume (MG)
	1 Day	3 Day	5 Day	30 Day	60 Day		
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

*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.

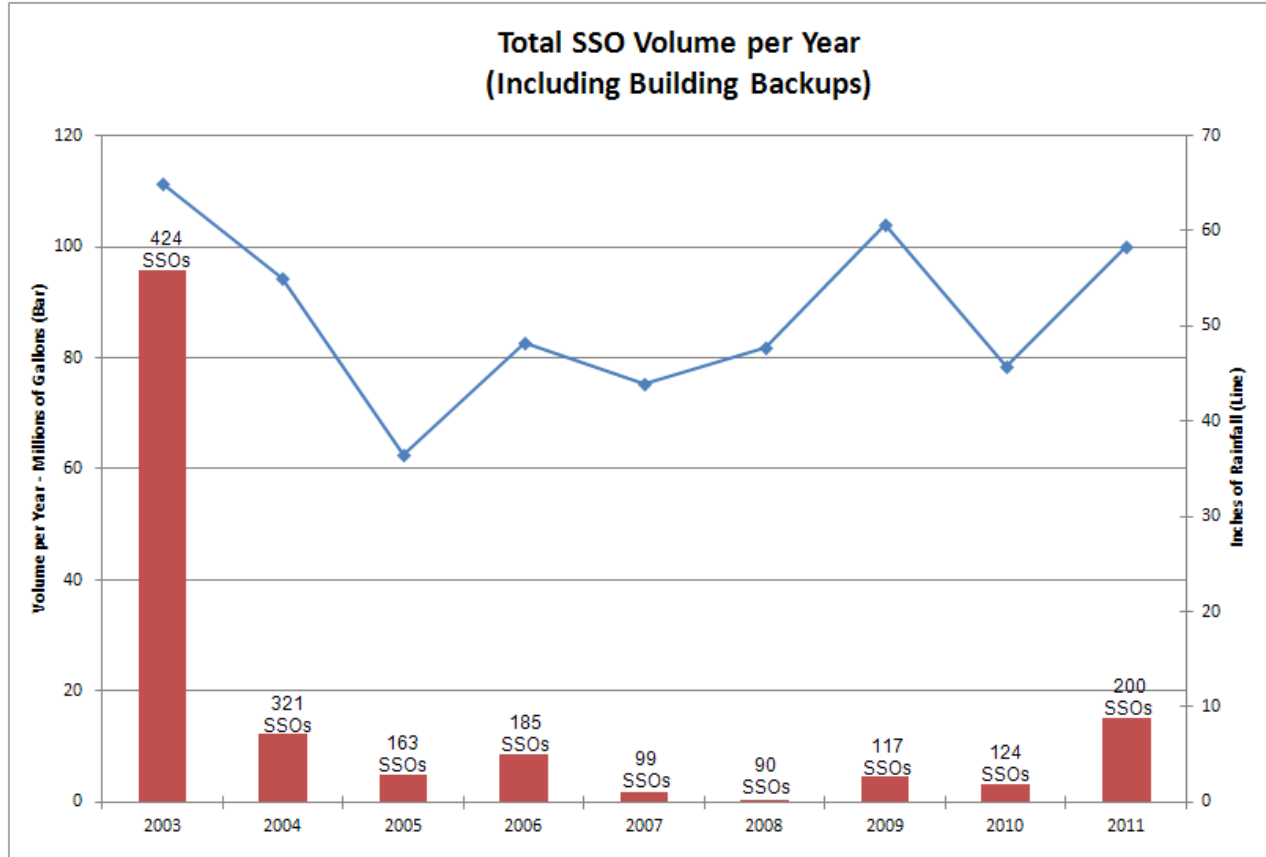
Figure 3 shows SSOs due to broken pipe fluctuate slightly but overall the trend has been fairly constant (less than 20 SSOs) over the last several years. There were 19 SSOs due to broken pipe in 2011. Ground conditions can cause pipes to shift weakening joints. KUB continues to proceed with a significant 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.

Other

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.

Figure 4.A



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:

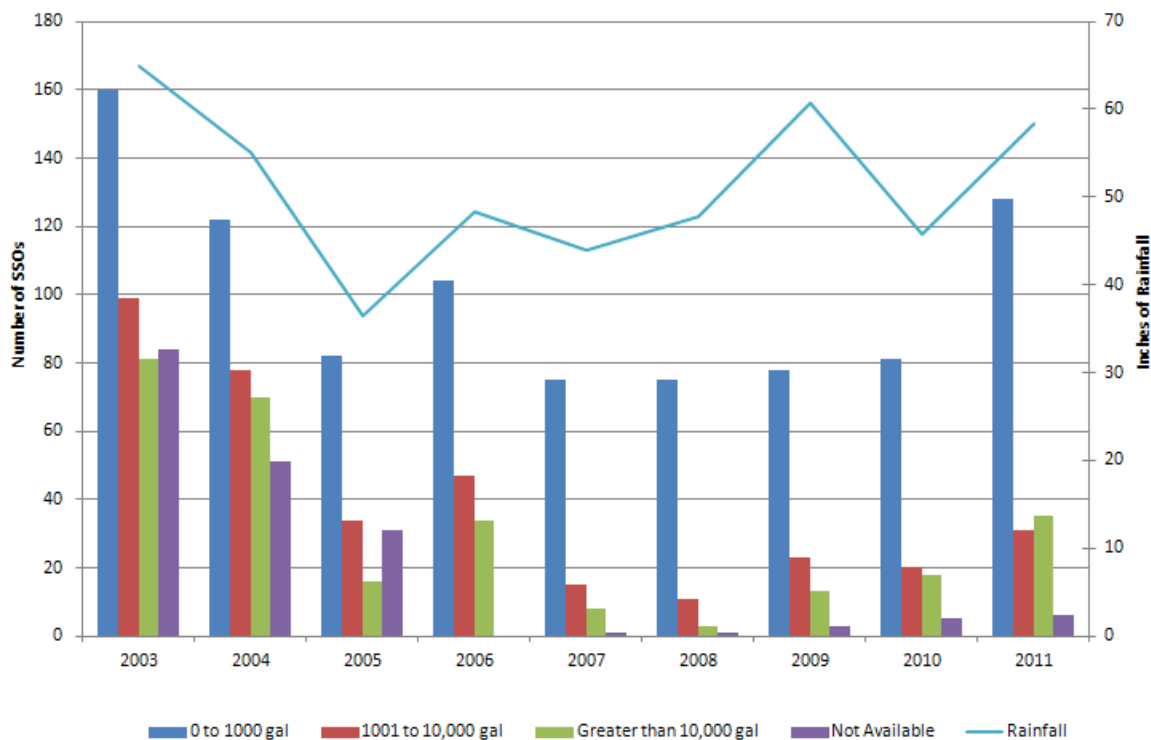
- Between 0 and 1000 gallons
- Between 1001 and 10,000 gallons
- Greater than 10,000 gallons
- Not available.

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
(Including Building Backups)



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.

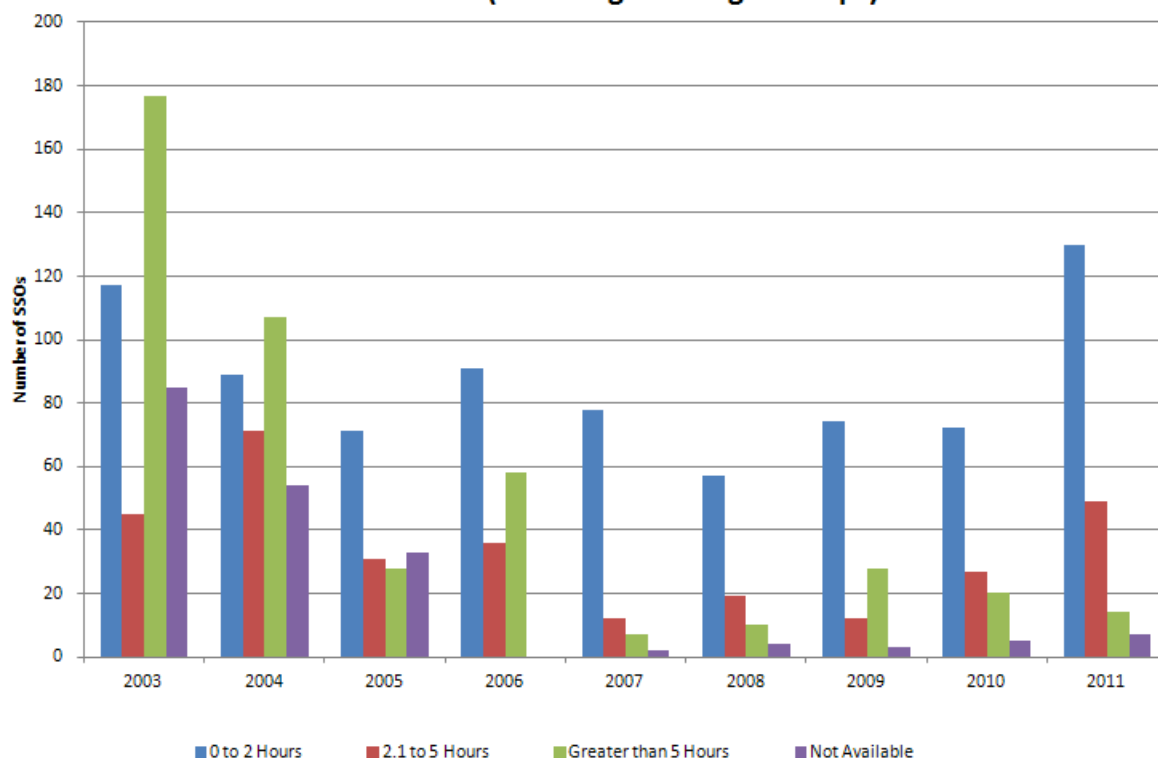
Greater than 10,000 gallons

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.

Figure 7

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	2
Vol < 500 gal.	17

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.

2001-2011 SSOER

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
1/19/01	4144	OAKLAND DRIVE	KUW	First Creek	2	MH 39-4		Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by debris.	2000	4		Construction Completed	BA	12 Months
4/13/01	614	SEVIER AVENUE	KUW	South Knoxville	40	MH 1-43		The sewer main was flushed to remove the blockage caused by debris.	1200	1	✓	Construction Completed	BA/Grease Control	3 Months
5/22/01	2907	GINNBROOKE LANE	KUW	Knob Creek	47	MH 22		Heavy rainfall in the area resulted in high flows in the collection system.	12,000	2	✓	Construction Completed	N/A	N/A
6/25/01	2907	GINNBROOKE LANE	KUW	Knob Creek	47	MH 22		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	2907	GINNBROOKE LANE	KUW	Knob Creek	47	MH 22		Heavy rainfall in the area resulted in high flows in the collection system.	1500	0.33	✓	Construction Completed	N/A	N/A
7/29/01	2907	GINNBROOKE LANE	KUW	Knob Creek	47	MH 22		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	8	✓	Construction Completed	N/A	N/A
1/24/02	2015	NEYLAND DRIVE	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	N/A	N/A
1/25/02	2015	NEYLAND DRIVE	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	N/A	N/A
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
3/17/02	2004	NEYLAND DRIVE	KUW	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.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
3/17/02	2015	NEYLAND DRIVE	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.	450,000	9	✓	Future Construction Planned	N/A	N/A
3/18/02	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	134,000	0.13	✓	Future Construction Planned	N/A	N/A
3/18/02	2015	NEYLAND DRIVE	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.	200,000	5.5	✓	Future Construction Planned	N/A	N/A
3/18/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	3000	10	✓	Construction Completed	N/A	N/A
3/19/02	615	SEVIER AVENUE	KUW	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
4/19/02	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		The influent gate experienced a mechanical failure of the hydraulic operating system.	569,000	2	✓	Future Construction Planned	Repair Completed	N/A
5/3/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	900	1	✓	Construction Completed	N/A	N/A
6/6/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass.	38,000	0.25	✓	Future Construction Planned	N/A	N/A
7/12/02	7661	BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell		The wastewater pump station overflowed due to a mechanical failure at the station.	1000	3		N/A	Repair Completed	N/A
7/30/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		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	N/A	N/A
8/29/02	4710	MURPHY ROAD	KUW	First Creek	2	Wetwell		The wastewater pump station overflowed due to a mechanical failure at the station.	10	2		N/A	Repair Completed	N/A
9/5/02	7712	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		The sewer main was flushed to remove the blockage caused by roots.	180	3	✓	Construction Completed	BA	12 Months
9/21/02	2907	GINNBROOKE LANE	KUW	Knob Creek	47	MH 22		Heavy rainfall in the area resulted in high flows in the collection system.	36,000	12	✓	Construction Completed	N/A	N/A
9/21/02	2004	NEYLAND DRIVE	KUW	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.	1,660,000	2.18	✓	Future Construction Planned	N/A	N/A
9/21/02	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	3000	0.25	✓	Future Construction Planned	N/A	N/A
9/21/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	28,800	12	✓	Construction Completed	N/A	N/A
9/22/02	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	1,300,000	1	✓	Future Construction Planned	N/A	N/A
9/22/02	2004	NEYLAND DRIVE	KUW	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.	5,700,000	4.5	✓	Future Construction Planned	N/A	N/A
10/3/02	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1200	2	✓	Construction Completed	N/A	N/A
10/4/02	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		The wastewater pump station overflowed due to an electrical failure at the station.	6000	1	✓	Construction Completed	Repair Completed	12 Months
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
11/13/02	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		The sewer main was flushed to remove the blockage caused by roots.	720	4	✓	Construction Completed	BA	12 Months
12/5/02	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	18,000	12	✓	Construction Completed	N/A	N/A
2/14/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	1,600,000	1.5	✓	Future Construction Planned	N/A	N/A
2/14/03	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	3000	0.25	✓	Future Construction Planned	N/A	N/A
2/14/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	16,500	22	✓	Construction Completed	N/A	N/A
2/15/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	136,000	2	✓	Future Construction Planned	N/A	N/A
2/15/03	2004	NEYLAND DRIVE	KUW	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.	11,700,000	16.5	✓	Future Construction Planned	N/A	N/A
2/16/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	180	2	✓	Construction Completed	N/A	N/A
2/16/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	871,000	6	✓	Future Construction Planned	N/A	N/A
2/16/03	2004	NEYLAND DRIVE	KUW	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.	12,120,000	18	✓	Future Construction Planned	N/A	N/A
2/17/03	2004	NEYLAND DRIVE	KUW	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.	1,480,000	7	✓	Future Construction Planned	N/A	N/A
2/19/03	4144	OAKLAND DRIVE	KUW	First Creek	2	MH 39-48		Heavy rainfall in the area resulted in high flows in the collection system.	360	6	✓	Construction Completed	BA	6 Months
2/19/03	4606	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by swags.	90	3		Future Construction Planned	BA	12 Months
2/21/03	2004	NEYLAND DRIVE	KUW	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.	1,320,000	2.5	✓	Future Construction Planned	N/A	N/A
2/22/03	203	CHILHOWEE DR	LC	Loves Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	1800	3		Future Construction Planned	BA	12 Months
2/22/03	2004	NEYLAND DRIVE	KUW	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.	10,870,000	22.5	✓	Future Construction Planned	N/A	N/A
2/22/03	4144	OAKLAND DRIVE	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
2/22/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	10,500	70	✓	Construction Completed	N/A	N/A
2/26/03	7661	BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell		The wastewater pump station overflowed due to an electrical failure at the station.	100	0.17		N/A	Repair Completed	N/A
2/27/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1890	21	✓	Construction Completed	N/A	N/A
3/8/03	4411	CYPRESS LANE	KUW	South Knoxville	39	MH 62-21		The sewer main was flushed to remove the blockage caused by roots.	1440	8		N/A	BA	12 Months
3/9/03	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		The sewer main was flushed to remove the blockage caused by debris.	19,200	40	✓	Construction Completed	BA	12 Months
3/13/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		The wastewater pump station overflowed due to an electrical failure at the station.	600	0.5	✓	Construction Completed	N/A	N/A
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
3/28/03	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Completed	BA	12 Months
3/30/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		The wastewater pump station overflowed due to a mechanical failure at the station.	9000	3	✓	Construction Completed	N/A	N/A
3/31/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		The wastewater pump station overflowed due to a mechanical failure at the station.	1500	0.5	✓	Construction Completed	N/A	N/A
4/3/03	1215	ROCKY HILL ROAD	FC	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
4/10/03	2004	NEYLAND DRIVE	KUW	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.	1,740,000	3	✓	Future Construction Planned	N/A	N/A
4/10/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	510	4.25	✓	Construction Completed	N/A	N/A
5/5/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	1,050,000	3	✓	Future Construction Planned	N/A	N/A
5/5/03	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	3300	550	✓	Construction Completed	N/A	N/A
5/6/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		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	✓	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	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	49,875	66.5	✓	Construction Completed	N/A	N/A
5/6/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	22,060,000	15	✓	Future Construction Planned	N/A	N/A
5/7/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	2100	2	✓	Construction Completed	N/A	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
5/7/03	2004	NEYLAND DRIVE	KUW	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
5/15/03	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 bypass.	1,500,000	3	✓	Future Construction Planned	N/A	N/A
5/19/03	615	SEVIER AVENUE	KUW	South Knoxville	40	MH 1-43		The sewer main was flushed to remove the blockage caused by debris.	300	3	✓	Construction Completed	BA/Grease Control	3 Months
7/2/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	14,440	24	✓	Construction Completed	N/A	N/A
7/9/03	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass.	1,370,000	3.14	✓	Future Construction Planned	N/A	N/A
7/10/03	3821	W BLOUNT AVENUE	KUW	South Knoxville	39	MH 29-2 & 30		Heavy rainfall in the area resulted in high flows in the collection system.	1200	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	✓	Construction Completed	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 hit and damaged the control box for the residential grinder pump.	5	1		N/A	Repair Completed	N/A
11/6/03	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	3600	4	✓	Construction Completed	N/A	N/A
11/6/03	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	50,000	0.72	✓	Future Construction Planned	N/A	N/A
11/10/03	614	SEVIER AVENUE	KUW	South Knoxville	40	MH 1-43		The sewer main was flushed to remove the blockage caused by grease.	240	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	✓	Construction Completed	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
12/30/03	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		A high surge flow following the clearing of a blockage slightly overflowed the pump station wetwell.	30	0.17	✓	Construction Completed	N/A	N/A
1/28/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system/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	436	MARYVILLE PIKE	KUW	South Knoxville	39	MH 30		Heavy rainfall in the area resulted in high flows in the collection system.	60,000	22.5	✓	Construction Completed	BA	12 Months
2/6/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	6050	23.5	✓	Construction Completed	N/A	N/A
2/6/04	4144	OAKLAND DRIVE	KUW	First Creek	2	MH 39-4 & 39-5		Heavy rainfall in the area resulted in high flows in the collection system.	12,000	20	✓	Construction Completed	BA	12 Months
2/6/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	13,500	18	✓	Construction Completed	BA	12 Months
2/6/04	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	6660	18.5	✓	Future Construction Planned	BA	12 Months
3/6/04	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	3000	1	✓	Construction Completed	N/A	N/A
3/6/04	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		Heavy rainfall in the area resulted in high flows in the collection system.	1920	4	✓	Construction Completed	BA	12 Months
3/6/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1680	3.5	✓	Construction Completed	N/A	N/A
3/6/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	3150	2.5	✓	Construction Completed	BA	12 Months
3/10/04	4144	OAKLAND DRIVE	KUW	First Creek	2	MH 39-4		Heavy rainfall in the area resulted in high flows in the collection system.	450	4	✓	Construction Completed	BA	12 Months
5/22/04	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	KUW	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
6/17/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	Primary Clarifiers 3, 4, 5 & 6		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. The reserve tanks were returned to service.	2000	0.58		Future Construction Planned	N/A	N/A
6/23/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	N/A	N/A	✓	Construction Completed	BA	12 Months
6/25/04	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	11,520	4	✓	Construction Completed	N/A	N/A
6/25/04	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1080	2	✓	Construction Completed	N/A	N/A
6/25/04	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	✓	Construction Completed	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	✓	Construction Completed	N/A	N/A
7/27/04	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1440	4	✓	Construction Completed	N/A	N/A
9/10/04	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		The sewer main was flushed to remove the blockage caused by grease.	180	1	✓	Construction Completed	BA/Grease Control	1 Month
9/17/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	31,680	22	✓	Construction Completed	N/A	N/A
9/20/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	561	5	✓	Construction Completed	BA	12 Months
9/22/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		WWTP/There was a mechanical failure of a hydraulic system that resulted in a temporary 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	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	Underground Flow		The sewer main was flushed to remove the blockage caused by grease.	2805	27	✓	Construction Completed	BA/Grease Control	1 Month
11/24/04	4811	BEVERLY RD	KUW	First Creek	2	MH 39-44 & 39-4		Heavy rainfall in the area resulted in high flows in the collection system.	9360	8	✓	Construction Completed	BA	12 Months
11/24/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy influent flows caused a momentary automated gate closure.	250	0.007	✓	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	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	6480	12	✓	Construction Completed	N/A	N/A
11/24/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	2040	11.3	✓	Construction Completed	BA	12 Months
11/24/04	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by grease.	3960	8.25		Future Construction Planned	BA/Grease Control	6 Months
11/30/04	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure in the residential grinder pump.	5	2		N/A	Repair Completed	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.	1080	3	✓	Construction Completed	BA	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		Heavy rainfall in the area resulted in high flows in the collection system.	20,160	14	✓	Construction Completed	N/A	N/A
12/1/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	37,400	12	✓	Construction Completed	BA	12 Months
12/7/04	436	MARYVILLE PIKE	KUW	South Knoxville	39	MH 30		Heavy rainfall in the area resulted in high flows in the collection system.	65	2	✓	Construction Completed	BA	12 Months
12/7/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	390,240	24	✓	Construction Completed	N/A	N/A
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.	2000	2.75	✓	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	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	85,170	41.75	✓	Construction Completed	N/A	N/A
12/9/04	1500	LYONS BEND ROAD	FC	Fourth Creek	37	Aeration Splitter Box		WWTP/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	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	113,590	1.83	✓	Future Construction Planned	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	✓	Construction Completed	BA	12 Months
12/9/04	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	2640	22	✓	Construction Completed	BA	1 Month
12/9/04	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	189,000	70	✓	Construction Completed	N/A	N/A
12/9/04	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	400,000	2.63		Future Construction Planned	N/A	N/A
12/9/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	1,008,120	62	✓	Construction Completed	BA	12 Months
12/9/04	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	26,928	8	✓	Future Construction Planned	BA	12 Months
12/11/04	2509	BROADWAY	KUW	First Creek	17	MH 4-71		The sewer main was flushed to remove the blockage caused by grease and roots.	5220	29		N/A	BA/Grease Control	6 Months
12/11/04	4144	OAKLAND DRIVE	KUW	First Creek	2	MH 39-4, 39-44 & 39-45		Heavy rainfall in the area resulted in high flows in the collection system.	60	1	✓	Construction Completed	BA	12 Months
2/10/05	5001	MALONEVILLE ROAD	EB	Eastbridge	109	MH 93-10		The sewer main was flushed to remove the blockage caused by debris.	1410	4	✓	Future Construction Planned	BA	6 Months
2/15/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	#6 Digester		Foaming in the #6 digester resulted in a spill. Standard operating procedures are addressing the problem.	5500	0.5		Future Construction Planned	N/A	N/A
2/21/05	436	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
2/21/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	260000	20	✓	Construction Completed	N/A	N/A
2/22/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	#6 Digester		Foaming in the #6 digester resulted in a spill. Standard operating procedures are addressing the problem.	200	0.17		Future Construction Planned	N/A	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
2/23/05	125	TILLERY DRIVE	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
3/10/05	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		The residential grinder pump station failed and was replaced.	20	5		N/A	Repair Completed	N/A
3/22/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Filtrate Tank		The filtrate drain line was flushed to remove the blockage caused by debris.	200	0.1		Future Construction Planned	N/A	N/A
3/28/05	1500	LYONS BEND ROAD	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 jeopardizing plant equipment or processes.	50,410	2	✓	Future Construction Planned	N/A	N/A
3/28/05	436	MARYVILLE PIKE	KUW	South Knoxville	39	MH 30		Heavy rainfall in the area resulted in high flows in the collection system.	32	2	✓	Construction Completed	BA	12 Months
4/2/05	436	MARYVILLE PIKE	KUW	South Knoxville	39	MH 30		Heavy rainfall in the area resulted in high flows in the collection system.	225	4	✓	Construction Completed	BA	12 Months
4/2/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	7,200	20	✓	Construction Completed	N/A	N/A
4/2/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	9,000	1.5		Future Construction Planned	N/A	N/A
4/4/05	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47-1		Heavy rainfall in the area resulted in high flows in the collection system.	1,200	4	✓	Construction Underway	N/A	N/A
4/13/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	247,680	43	✓	Construction Completed	N/A	N/A
4/19/05	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	250	2	✓	Construction Completed	BA	12 Months
5/20/05	436	MARYVILLE PIKE	KUW	South Knoxville	39	MH 29-2		Heavy rainfall in the area resulted in high flows in the collection system.	480	2	✓	Construction Completed	BA	12 Months
5/20/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	5,610	2.75	✓	Construction Completed	N/A	N/A
5/20/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Primaries # 3-4 Influent Boxes		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	500	0.17		Future Construction Planned	N/A	N/A
5/24/05	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	60	1	✓	Construction Underway	N/A	N/A
6/10/05	7661	BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell		Equipment damaged by lightning strike was repaired and the station was returned to service.	2,880	1		N/A	Repair Completed	N/A
7/7/05	436	MARYVILLE PIKE	KUW	South Knoxville	39	MHs 29-2 & 30		Heavy rainfall in the area resulted in high flows in the collection system.	12,240	2	✓	Construction Completed	BA	12 Months
7/19/05	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1,037	3	✓	Construction Completed	N/A	N/A
8/23/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Kuwahee WWTP Digester MH		Pipe capacity was exceeded with normal supernatant flow and sludge dewatering contractor discharge.	0	0.08		Future Construction Planned	N/A	N/A
8/23/05	2304	WOODS CREEK ROAD	LC	Loves Creek	6	Grinder Pump		The residential grinder pump was replaced after the mechanical failure of the pump.	5	2		N/A	Repair Completed	N/A
10/31/05	5001	MALONEYVILLE ROAD	EB	Eastbridge	109	MH 93-10		The sewer main was flushed to remove the blockage caused by debris.	6,101	1.5	✓	Future Construction Planned	BA	6 Months
1/2/06	5315	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		The residential grinder pump was replaced after the mechanical failure of the pump.	10	2		N/A	Repair Completed	N/A
1/17/06	5001	MALONEYVILLE ROAD	EB	Eastbridge	109	MH 93-10		The sewer main was flushed to remove the blockage caused by debris.	408	1	✓	Future Construction Planned	BA	1 Month
1/17/06	436	MARYVILLE PIKE	KUW	South Knoxville	39	MH 29-2		Heavy rainfall in the area resulted in high flows in the collection system.	3600	4.75	✓	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.	14025	1	✓	Construction Completed	BA	12 Months
3/12/06	2907	GINNBROOKE LANE	KUW	Knob Creek	47	Wetwell		There was a total loss of electrical service to the station due to squirrels.	180	1	✓	Construction Completed	N/A	N/A
4/4/06	5105	BALL ROAD	FC	Fourth Creek	49	Broken Force Main		The force main was repaired.	442400	252		N/A	Repair Completed	N/A
4/8/06	436	MARYVILLE PIKE	KUW	South Knoxville	39	MH 29-2		Heavy rainfall in the area resulted in high flows in the collection system.	360	1	✓	Construction Completed	BA	12 Months
4/8/06	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	38148	17	✓	Construction Completed	N/A	N/A
4/8/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	20196	12	✓	Construction Completed	BA	12 Months
4/21/06	4411	CYPRESS LANE	KUW	South Knoxville	39	MH 62-21		The sewer main was flushed to remove the blockage caused by roots and debris.	225	3		N/A	BA	3 Months
4/22/06	436	MARYVILLE PIKE	KUW	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
4/22/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	89670	12	✓	Construction Completed	BA	12 Months
4/24/06	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	14890	6	✓	Construction Completed	N/A	N/A
6/7/06	8530	CROSSWIND LANDING LANE	EB	Eastbridge	110	Wetwell		There was a failure of the electronic level controls.	150	0.5		N/A	Repair Completed	N/A
6/26/06	7661	BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	600	1		Construction Completed	N/A	N/A
8/4/06	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		The electronic failures at the Woodson Drive Pump Station were repaired.	500	1		Construction Completed	Repair Completed	N/A
9/23/06	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & 1 and high flows in the sewer mains.	9000	5		Construction Completed	N/A	N/A
9/23/06	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & 1 and high flows in the sewer mains.	8640	6	✓	Construction Completed	N/A	N/A
9/23/06	3741	EAKERS STREET	KUW	South Knoxville	40	MHS 47 & 47-103		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & 1 and high flows in the sewer mains.	10560	8		Construction Underway	N/A	N/A
9/23/06	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Plant influent gate was partially closed to prevent damage to critical plant equipment by high flows.	489000	2.88		Future Construction Planned	N/A	N/A
9/23/06	436	MARYVILLE PIKE	KUW	South Knoxville	39	MHS 29-2 & 30		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & 1 and high flows in the sewer mains.	71904	16	✓	Construction Completed	BA	12 Months
9/23/06	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Secondary Junction Box		The secondary splitter box momentarily overflowed when the intermediate storage tanks filled to their maximum capacity.	50	0.008		Future Construction Planned	N/A	N/A
9/23/06	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & 1 and high flows in the sewer mains.	4320	8		Construction Completed	BA	6 Months
9/23/06	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & 1 and high flows in the sewer mains.	360	2		Future Construction Planned	BA	12 Months
9/23/06	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & 1 and high flows in the sewer mains.	1440	6		Future Construction Planned	BA	6 Months
9/24/06	2907	GINNBROOKE LANE	KUW	Knob Creek	47	Wetwell		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & 1 and high flows in the sewer mains.	2250	0.75	✓	Construction Completed	N/A	N/A
9/24/06	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & 1 and high flows in the sewer mains.	3310000	5	✓	Construction Completed	N/A	N/A
9/24/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & 1 and high flows in the sewer mains.	197712	6	✓	Construction Completed	BA	12 Months
9/25/06	203	S CHILHOWEE DRIVE	LC	Loves Creek	20	MH 25		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & 1 and high flows in the sewer mains.	2160	6		Future Construction Planned	BA	12 Months
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 1 & 1 and high flows in the sewer mains.	304380	6		Future Construction Planned	N/A	N/A
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 by heavy rainfall.	6209	6	✓	Future Construction Planned	BA	6 Months
10/27/06	2706	MYNDERS AVENUE	KUW	Third Creek	22	MH 18-3		Heavy rainfall in the area resulted in high flows in the collection system.	5100	5	✓	Future Construction Planned	BA	6 Months
11/1/06	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	720	4	✓	Construction Completed	N/A	N/A
11/1/06	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	558	5	✓	Future Construction Planned	BA	6 Months
12/31/06	2004	NEYLAND DRIVE	KUW	Third Creek	35A	MH 1		Partial closure of the influent gate due to a temporary mechanical failure of the influent barscreens.	160000	0.33		Future Construction Planned	N/A	N/A
1/8/07	302	SEVENTH AVENUE	KUW	First Creek	18	MH 15		The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall.	720	2		Future Construction Planned	B A	6 Months
3/3/07	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Widespread power outages due to high winds resulted in a total power loss to the plant for 130 minutes.	1,170,000	1.5	✓	Future Construction Planned	Repair Completed	N/A
3/3/07	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Ruptured Force Main		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		Future Construction Planned	Repair Complete	N/A
6/7/07	1500	LYONS BEND ROAD	FC	Fourth Creek	37	Leaking Valve		There was a leak from a valve on a sludge line.	25	0.58		Future Construction Planned	Repair Complete	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
8/22/07	2701	WILSON AVENUE	KUW	Williams Creek	19	MH 8		The sewer main was flushed to remove the blockage caused by grease.	540	6		N/A	B A / Grease Control	12 Months
9/24/07	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Force Main		Construction Failure - Force Main Dig-in	4,500	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
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
12/28/07	4315	RUTLEDGE PIKE	LC	Loves Creek	20	Grinder Pump Failure		The commercial grinder pump station was repaired.	8	1		N/A	Repair Completed	N/A
12/29/07	1338	OGLESBY ROAD	LC	Loves Creek	66	Leaking Force Main		There was a leak on a 8" force main.	32,400	3	✓	Construction Completed	N/A	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
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
1/7/08	1530	LOUISIANA AVENUE	KUW	Third Creek	22	Abandoned Lateral		The sewer main was manually-cleaned and flushed to remove the blockage caused by heavy debris.	6,800	4		N/A	BA	12 Months
1/8/08	7912	LIVINGSTON DRIVE	FC	Fourth Creek	42	MH 28-1		The sewer main was flushed to remove the blockage caused by roots and debris.	120	1		N/A	BA	6 Months
1/22/08	624	SOUTHBROOK DRIVE	KUW	Knob Creek	41	Lateral Cleanout		Evidence indicates that the SSO occurred during the air test of a new main by a rehabilitation contractor.	249	1		N/A	Repair Completed	N/A
1/28/08	501	NOELTON DRIVE	KUW	Third Creek	38	MH 50-7		The sewer main was flushed to remove the blockage caused by grease and debris.	180	1		N/A	Repair Completed	N/A
1/29/08	509	TREHAVEN DRIVE	KUW	Second Creek	10	MH 24-48		The sewer main was flushed to remove the blockage caused by roots and grease.	55	1		N/A	BA/Grease Control	6 Months
1/30/08	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
2/4/08	516	N BEAMAN STREET	LC	Loves 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		Construction Underway	BA	6 Months
2/5/08	1338	OGLESBY ROAD	LC	Loves Creek	66	Leaking Force Main		The force main was repaired.	560	2	✓	Construction Completed	Repair Completed	N/A
2/6/08	200	AVENUE C	KUW	South Knoxville	39	MH 40-27 & BBU		The sewer main was flushed to remove the blockage caused by grease.	480	2		N/A	BA/Grease Control	6 Months
2/13/08	4315	RUTLEDGE PIKE	LC	Loves Creek	20	Wetwell		The electrical breaker on the commercial grinder pump station was turned back on.	100	Unknown		N/A	Repair Completed	N/A
2/17/08	206	CREEK STONE LANE	EB	Eastbridge	72	Service Connection		The service connection on the low-pressure force main was repaired.	180	6		N/A	Repair Completed	N/A
2/18/08	1463	E WEISGARBER ROAD	FC	Fourth Creek	27	Leaking Pipe Joint		The sewer main joint was repaired.	10	5		N/A	Repair Completed	N/A
2/18/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Primary Sludge Pipe		The leak from a primary sludge pipe was repaired.	2,128	0.083		Future Construction Planned	Repair Completed	N/A
2/19/08	5364	N BROADWAY	KUW	First Creek	3	MH 10-4		The sewer main was flushed to remove the blockage caused by grease and debris.	5	0.5		N/A	BA/Grease Control	6 Months
2/21/08	1105	PARK HILL CIRCLE	FC	Fourth Creek	27	MH 49-87		The sewer main was flushed to remove the blockage caused by grease.	145	2		N/A	BA/Grease Control	6 Months
2/21/08	4257	SKYLINE DRIVE	LC	Loves Creek	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
3/2/08	1720	POLKSWRIGHT LANE	FC	Fourth Creek	37	Wetwell		The mechanical failure of the residential grinder pump was repaired.	1	0.08		N/A	Repair Completed	N/A
3/3/08	2108	BELCARO DRIVE	KUW	First Creek	4	MH 18-117		The sewer main was flushed to remove the blockage caused by debris.	1	0.25		N/A	BA	6 Months
3/11/08	4623	WEBB LANE	KUW	Third Creek	21	Lateral Cleanout		The sewer lateral was flushed to remove the blockage caused by debris.	180	1		N/A	Repair Completed	N/A
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
3/24/08	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump and BBU		The mechanical failure of the residential grinder pump was repaired.	15	1		N/A	Repair Completed	N/A
3/25/08	4710	MURPHY ROAD	KUW	First Creek	2	Wetwell		The mechanical failure of the residential grinder pump was repaired.	14	2		N/A	Repair Completed	N/A
3/26/08	3706	ROBERTS ROAD	EB	Eastbridge	113	Leaking Force Main		The force main was repaired.	810	2		N/A	Repair Completed	N/A
3/28/08	1801	E FIFTH AVENUE	KUW	First Creek	24	Leaking Pipe		The leaking pipe was repaired.	Unknown	Unknown		N/A	Repair Completed	N/A
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
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
4/14/08	3913	ROBERTS ROAD	EB	Eastbridge	113	Leaking Force Main		The force main was repaired.	783	0.05		N/A	Repair Completed	N/A
4/22/08	1713	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
4/23/08	5300	AZINGER LANE	EB	Eastbridge	109	Broken Force Main		The force main was repaired.	47	2		N/A	Repair Completed	N/A
5/6/08	2052	DANDRIDGE AVENUE	KUW	Williams Creek	25	MH 4-103		The sewer main was flushed to remove the blockage caused by debris.	115	0.25		N/A	BA	6 Months
5/8/08	2113	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
5/9/08	2907	GINNBROOKE LANE	KUW	Knob Creek	47	Wetwell		Electrical power was restored after an outage caused by a strong storm.	1,000	0.33		Construction Completed	N/A	N/A
5/28/08	4144	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	✓	Construction Completed	N/A	N/A
5/28/08	203	S CHILHOWEE DRIVE	LC	Loves Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	16	0.5		Future Construction Planned	N/A	N/A
5/30/08	5700	MELSTONE DRIVE	KUW	Third Creek	9	3 Lateral Cleanouts		A contractor-owned sewer plug was removed from the sewer main.	150	1		N/A	Repair Completed	N/A
6/11/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	MH 4-51		Line capacity was exceeded by a waste hauler.	50	0.02		Future Construction Planned	Repair Completed	N/A
6/12/08	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	25	3		N/A	Repair Completed	N/A
6/16/08	4107	ROBERTS ROAD	EB	Eastbridge	113	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	6	1		N/A	Repair Completed	N/A
6/18/08	1721	IROQUOIS STREET	KUW	Williams Creek	25	Leaking Pipe		There was a leak in the sewer main.	5	3		N/A	Repair Completed	N/A
7/4/08	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	1	4		N/A	Repair Completed	N/A
7/7/08	4410	BUFFAT MILL ROAD	LC	Loves Creek	6	MH 29-289		The sewer main was flushed to remove the blockage caused by roots.	216	3		N/A	BA	6 Months
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
7/20/08	5900	NEUBERT SPRINGS ROAD	KUW	Knob Creek	41	Lateral Cleanout		Debris from a rehabilitation contractor caused a partial blockage. The sewer main was cleared and cleaned.	360	1	✓	Future Construction Planned	N/A	N/A
7/22/08	6410	S RUGGLES FERRY PIKE	LC	Loves Creek	62	MH 3		Power failure at the pump station caused by storm damage to the power lines.	300	1		N/A	Repair Completed	N/A
7/28/08	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	300	1	✓	Construction Completed	Repair Completed	N/A
7/30/08	5405	LANCE DRIVE	KUW	Third Creek	21	MH 10-85		The sewer main was flushed to remove the blockage caused by roots and debris.	4,900	24		N/A	BA	6 Months
8/4/08	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was an electrical failure of the residential grinder pump.	29	2.33		N/A	Repair Completed	N/A
8/6/08	1019	OGLESBY ROAD	LC	Loves Creek	66	Leaking Force Main		The contractor was removing a temporary force main and allowed leakage to occur.	38	2		N/A	Repair Completed	N/A
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	Repair Completed	N/A
8/14/08	5309	ROBERTS ROAD	EB	Eastbridge	113	Leaking Force Main		There was a dig-in on the force main during the installation of an electrical power pole.	5,030	2		N/A	Repair Completed	N/A
9/4/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Broken Pipe		A sewer main was damaged during excavation for a potable water line.	50	0.083		Future Construction Planned	Repair Completed	N/A
9/6/08	301	E CHURCH AVENUE	KUW	First Creek	30	MH 10-11		The sewer main was flushed to remove the blockage caused by debris.	1,438	8		N/A	BA	12 Months
9/8/08	401	MARYVILLE PIKE	KUW	South Knoxville	39	MHs 27-1, 27-2 & Leaking Pipe		The event was related to a partial failure of the pump-around process during a sewer replacement project.	1,570	12		Construction Completed	Repair Completed	N/A
9/28/08	5371	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was an electrical failure of the residential grinder pump.	120	4		N/A	Repair Completed	N/A
9/30/08	5323	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of an improperly-installed residential grinder pump.	150	4		N/A	Repair Completed	N/A
9/30/08	5915	CASEY DRIVE	FC	Fourth Creek	27	MH 22-8		The sewer main was flushed to remove the blockage caused by grease and roots.	375	0.25		N/A	BA/Grease Control	6 Months
10/6/08	1211	ROCKY HILL ROAD	FC	Fourth Creek	36	MH 55		The sewer main was flushed to remove the blockage caused by grease and roots.	217	1		N/A	BA/Grease Control	6 Months
10/22/08	401	MARYVILLE PIKE	KUW	South Knoxville	39	MH 27-2		The bypass pump was damaged and parts were removed overnight due to vandalism.	100,000	8		Construction Completed	Repair Completed	N/A
10/22/08	1224	MORRELL ROAD	FC	Fourth Creek	36	MH 56		The sewer main was flushed to remove the blockage caused by debris and pipe sags.	60	1.25		N/A	BA	6 Months
10/24/08	405	MERCHANTS DRIVE	KUW	Second Creek	5	Leaking Joint		The sewer main was flushed to remove the blockage caused by grease during a rainfall event.	280	1		N/A	BA	6 Months
10/29/08	4801	WILKSHIRE DRIVE	KUW	Third Creek	12	Cleanout		The sewer main was repaired and flushed to remove the blockage caused by a broken pipe.	1,500	3		N/A	Repair Completed	N/A
11/4/08	3413	PILKAY ROAD	KUW	Third Creek	28	MH 8-1		The sewer main was flushed to remove the blockage caused by grease and debris.	5,320	1		Construction Completed	N/A	N/A
11/5/08	1036	E EMERALD AVENUE	KUW	First Creek	17	MH 4-71		The sewer main was flushed to remove the blockage caused by roots and debris.	120	1	✓	N/A	Repair Completed	N/A
11/9/08	1036	E EMERALD AVENUE	KUW	First Creek	17	MH 4-71		The sewer main was flushed to remove the blockage caused by roots and debris.	120	1	✓	N/A	Repair Completed	N/A
11/9/08	120	MORRELL ROAD	FC	Fourth Creek	33	MH 53-8		The sewer main was flushed to remove the blockage caused by grease.	240	1		N/A	BA/Grease Control	6 Months
11/19/08	3600	KENILWORTH LANE	LC	Loves Creek	6	BBU and Service Lateral		A private contractor installing a gas main bored through the service lateral.	19	1		N/A	Repair Completed	N/A
11/22/08	3706	ROBERTS ROAD	EB	Eastbridge	113	Leaking LP Lateral		An exposed section of service lateral burst upon freezing and was repaired.	7	0.017		N/A	Repair Completed	N/A
11/27/08	8111	WASHINGTON PIKE	EB	Eastbridge	111	Leaking LP Lateral		There was a leak on the low-pressure service lateral.	90	5		N/A	Repair Completed	N/A
12/3/08	3413	KINGSTON PIKE	KUW	Third Creek	29	Broken Pipe		There was a collapsed pipe on an undesignated sewer main.	200	10		Construction Completed	N/A	N/A
12/3/08	1708	NUMBER TWO DRIVE	EB	Eastbridge	115	Leaking ARV		There was a leak from a air release valve on a force main.	423	4		N/A	Repair Completed	N/A
12/7/08	4209	LAMOUR DRIVE	KUW	Third Creek	28	MH 16-161		The sewer main was flushed to remove the blockage caused by roots.	30	2		N/A	BA	6 Months
12/8/08	1902	HIGHLAND DRIVE	KUW	First Creek	7	MH 17-32		The sewer main was flushed to remove the blockage caused by roots.	1,025	10		N/A	BA	6 Months
12/9/08	2007	RIDGECREST DRIVE	KUW	First Creek	4	MH 18-126		The sewer main was flushed to remove the blockage caused by roots.	561	5		N/A	BA	6 Months
12/10/08	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1,100	4		Construction Completed	N/A	N/A
12/10/08	615	SEVIER AVENUE	KUW	South Knoxville	40	MH 1-43 & BBU		The sewer main was flushed to remove the blockage caused by debris during heavy rainfall.	615	3		Construction Completed	BA/Grease Control	3 Months
12/11/08	4144	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
12/11/08	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		Heavy rainfall in the area resulted in high flows in the collection system.	62	1		Construction Completed	BA	6 Months
12/11/08	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	65	1		Future Construction Planned	BA	6 Months
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
12/21/08	6902	S NORTHSHORE DRIVE	FC	Fourth Creek	36	MH 12-62		The sewer main was flushed to remove the blockage caused by debris.	360	1		N/A	BA	6 Months
1/6/09	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 42,43,44 & 45		Heavy rainfall in the area resulted in high flows in the collection system.	4,830	9.5	✓	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.	24,000	8		Construction Completed	N/A	N/A
1/6/09	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	4,575	9	✓	Construction Completed	BA/Grease Control	6 Months
1/6/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	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 Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	7,400	14.5	✓	Construction Completed	N/A	N/A
1/6/09	5011	KINGSTON PIKE	KUW	Third Creek	34	MH 58		Heavy rainfall in the area resulted in high flows in the collection system.	5,600	11		Future Construction Planned	N/A	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
1/6/09	1233	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	BA	6 Months
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
1/6/09	203	S CHILHOWEE DRIVE	LC	Loves Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	6,100	12	✓	Future Construction Planned	N/A	N/A
1/6/09	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		Heavy rainfall in the area resulted in high flows in the collection system.	17,300	24		Construction Completed	BA	6 Months
1/7/09	701	CEDAR LANE	KUW	Second Creek	5	MH 35-4		The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall.	37,450	26		N/A	BA	3 Months
1/7/09	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system. The storage tank reached capacity.	105,000	26	✓	Construction Completed	N/A	N/A
1/7/09	5315	SHANNONDALE ROAD	KUW	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
1/10/09	5007	ROWAN ROAD	KUW	Second Creek	5	MH 17-47		The sewer main was flushed to remove the blockage caused by roots.	1,080	2		N/A	BA	3 Months
1/11/09	1110	CLINCH AVENUE	KUW	Second Creek	23	Undesignated MH		The sewer main was flushed to remove the blockage caused by roots.	75	2		N/A	BA	6 Months
1/12/09	7105	DULANEY WAY	FC	Fourth Creek	36	MH 12-86		The sewer main was flushed to remove the blockage caused by roots.	1,780	3.5		N/A	BA	6 months
1/22/09	9027	MASCOT ROAD	EB	Eastbridge	114	Leaking ARV		There was a leak from air-release valve on a high-pressure force main.	75	1		N/A	Repair Completed	N/A
1/29/09	1701	E FIFTH AVENUE	KUW	First 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
2/4/09	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Leaking ARV		There was a leak from air-release valve on a high-pressure force main.	225	1	✓	Construction Completed	N/A	N/A
2/7/09	3853	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	4712	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
2/18/09	2600	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
2/20/09	117	SIXTEENTH AVENUE	KUW	Second Creek	23	MH 21-33		The sewer main was flushed to remove the blockage caused by grease.	255	1		N/A	BA/Grease Control	6 Months
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	8		N/A	Repair Completed	N/A
3/2/09	5101	MALONEVILLE 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
3/4/09	4712	MOSS DRIVE	KUW	Third Creek	13	MH 43 and Lateral Cleanout		The sewer main was flushed to remove the blockage caused by grease and roots.	250	0.5	✓	N/A	BA/Grease Control	3 Months
3/6/09	751	INGERSOLL AVENUE	KUW	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
3/7/09	1527	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
3/9/09	1000	OGLEWOOD AVENUE	KUW	First Creek	16	Lateral Cleanout and BBU		The sewer main was flushed to remove the blockage caused by debris.	13	0.5		N/A	BA	6 Months
3/18/09	4125	GREENWAY DRIVE	KUW	First Creek	2	Private Sewer Connection		There was an unconnected private sewer main.	Unknown	Unknown		Future Construction Planned	N/A	N/A
3/26/09	6024	BROOKVALE LANE	FC	Fourth Creek	33	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	90	1		Future Construction Planned	N/A	N/A
3/26/09	1925	ROSEWOOD ROAD	LC	Loves Creek	105	Commercial Grinder Pump and BBU		There was a mechanical failure of the commercial grinder pump.	5	1.5		N/A	Repair Completed	N/A
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
4/15/09	811	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
4/16/09	5032	LYONS VIEW PIKE	KUW	Third Creek	34	Residential Grinder Pump		There was an electrical failure of the commercial grinder pump.	510	6.5		N/A	Repair Completed	N/A
4/29/09	1801	LAKE AVENUE	KUW	Third Creek	35B	Lateral Cleanout		The broken sewer main was repaired and the partial blockage was flushed.	710	2.25		N/A	Repair Completed	N/A
5/5/09	4710	MURPHY ROAD	KUW	First Creek	2	Wetwell		There was a mechanical failure of the commercial grinder pump.	100	2.5		N/A	Repair Completed	N/A
5/7/09	4419	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
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
5/8/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	540	1.5	✓	Construction Completed	N/A	N/A
5/10/09	3560	TALAH 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
5/15/09	1233	MARYVILLE PIKE	KUW	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
5/25/09	1800	MIDDLEBROOK PIKE	KUW	Third Creek	29	MH 38		The sewer main was flushed to remove the blockage caused by grease.	162	1		N/A	BA/Grease Control	3 Months
6/5/09	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the collection system.	3,990	4	✓	Construction Completed	N/A	N/A
6/6/09	2501	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
6/12/09	4300	ROBERTS ROAD	EB	Eastbridge	113	Residential Grinder Pump		There was an electrical failure of the commercial grinder pump.	30	1		N/A	Repair Completed	N/A
6/13/09	835	FARRAGUT AVENUE	KUW	First Creek	16	MH 24-45		The sewer main was flushed to remove the blockage caused by debris.	54	0.5		N/A	N/A	N/A
6/15/09	900	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
6/17/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	51,771	3	✓	Construction Completed	N/A	N/A
6/18/09	2303	CLINCH AVENUE	KUW	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
6/22/09	125	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
6/24/09	2052	DANDRIDGE AVENUE	KUW	Williams Creek	25	MH 4-103 and Lateral Cleanout		The sewer main was flushed to remove the blockage caused by grease.	344	1		N/A	BA/Grease Control	12 Months
6/26/09	2305	CLINCH AVENUE	KUW	Third Creek	35B	MH 39		There was a process failure of a construction bypass pump.	2,328	0.0166		N/A	Repair Completed	N/A
6/26/09	4900	LANDBROOK DRIVE	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
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	Repair Completed	N/A
7/13/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Rainfall in the area produced I & I and high flows in sewer mains.	254	1	✓	Construction Completed	N/A	N/A
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
7/22/09	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Air Release Valve		There was a leaking air release valve that resulted in a SSO.	37	1	✓	Construction Completed	N/A	N/A
7/23/09	5212	BENT RIVER BOULEVARD	FC	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
7/23/09	2636	CHUKAR ROAD	FC	Fourth Creek	32A	Bypass System		There was a failure of a construction bypass system.	12	0.25		N/A	Repair Completed	N/A
7/27/09	2204	HIGHLAND DRIVE	KUW	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
7/28/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Rainfall in the area produced I & I and high flows in sewer mains.	180	1	✓	Construction Completed	N/A	N/A
7/31/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 40		Rainfall in the area produced I & I and high flows in sewer mains.	40	0.5	✓	Construction Completed	N/A	N/A
8/6/09	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Rainfall in the area produced I & I and high flows in sewer mains.	224	0.5	✓	Construction Underway	N/A	N/A
8/11/09	4502	MILLERTOWN PIKE	LC	Loves Creek	6	Lateral		The lateral was damaged during installation of gas main.	137	72 Intermittently		N/A	Repair Completed	N/A
8/12/09	5745	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	608	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.	unknown	unknown		Future Construction Planned	N/A	N/A
8/17/09	119	W GLENWOOD AVENUE	KUW	First Creek	17	Subsurface		The sewer main was flushed to remove the partial blockage caused by grease and broken sewer main.	900	8 Intermittently		Future Construction Planned	BA/Grease Control	6 Months
8/24/09	961	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
9/23/09	961	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.	14,400	8	✓	Construction Completed	N/A	N/A
9/26/09	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	350	1	✓	Construction Completed	N/A	N/A
9/26/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Rainfall in the area produced I & I and high flows in sewer mains.	6,000	2	✓	Construction Completed	N/A	N/A
9/26/09	1210	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
9/26/09	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47 & 47-103		Rainfall in the area produced I & I and high flows in sewer mains.	1,900	3	✓	Construction Underway	N/A	N/A
9/26/09	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		There was an electrical failure at the plant. Electrical power was restored to the plant.	40,000	0.06	✓	Future Construction Planned	N/A	N/A
9/26/09	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	250,000	0.26	✓	Future Construction Planned	N/A	N/A
9/27/09	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		There was heavy debris at the pump station and influenced by high rainfall.	1,800	1	✓	Construction Completed	N/A	N/A
9/28/09	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		The sewer main was flushed to remove the blockage caused by grease.	1,000	1	✓	Future Construction Planned	BA/Grease Control	3 Months
9/29/09	8012	W CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-7		The sewer main was flushed to remove the blockage caused by grease and roots.	65	1		N/A	BA/Grease Control	6 Months
10/15/09	4201	ASHEVILLE HIGHWAY	LC	Loves Creek	20	MH 34-23		Heavy rainfall in the area resulted in high flows in the sewer system.	50	0.5		Future Construction Planned	N/A	N/A
10/16/09	7100	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	850	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	BA	6 Months
10/26/09	6905	WESTLAND DRIVE	FC	Fourth Creek	36	Subsurface		The sewer main was flushed to remove the blockage caused by roots.	4,745	2		Construction Completed	N/A	N/A
10/30/09	1408	MIDDLE DRIVE	KUW	Second Creek	35A	Subsurface		The sewer main was repaired to remove a collapsed section.	7,190	6.5		N/A	Repair Completed	N/A
11/5/09	3108	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	BA	6 Months
11/6/09	212	DRY GAP PIKE	KUW	Second Creek	5	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
11/8/09	6116	SEVIERVILLE PIKE	KUW	South Knoxville	41	MH 107-2		The sewer main was flushed to remove the blockage caused by grease.	510	1		N/A	BA/Grease Control	6 months
11/12/09	2126	TENNESSEE AVENUE	KUW	Third Creek	22	MH 16-13		The sewer main was flushed to remove the blockage caused by roots.	310	1		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

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
12/9/09	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the sewer system.	40	0.5	✓	Construction Completed	N/A	N/A
12/9/09	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		There was an electrical failure at the plant. Electrical power was restored to the plant.	480,000	0.45	✓	Future Construction Planned	Repair Complete	N/A
12/9/09	2004	NEYLAND DRIVE	KUW	Second Creek	35a	MH 1		There was an electrical failure at the plant. Electrical power was restored to the plant.	3,300,000	0.87		Future Construction Planned	Repair Completed	N/A
12/12/09	5227	MCNUTT ROAD	KUW	Knob Creek	41	MH 96		The sewer main was flushed to remove the blockage caused by an unknown object.	1,061	1		Future Construction Planned	BA	6 Months
12/15/09	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the sewer system.	Unknown	Unknown	✓	Construction Completed	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, roots, grease and debris.	4,855	48 Intermittently		N/A	Repair Completed	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	✓	Future Construction Planned	BA/Grease Control	6 Months
1/6/10	905	KERMIT DRIVE	KUW	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
1/18/10	229	LYNNWOOD DRIVE	KUW	First Creek	3	MH 2-98		The sewer main was flushed to remove the blockage caused by grease and roots.	130	0.5		N/A	BA	6 Months
1/18/10	1712	POLKWRIGHT LANE	FC	Fourth Creek	37	Residential Grinder Pump		There was an electrical failure of the residential grinder pump.	5	1		N/A	Repair Completed	N/A
1/24/10	2414	BERNHURST DRIVE	KUW	First Creek	4	MH 18-58, 18-54 & 18-53		The sewer main was flushed to remove the unknown blockage and influenced by heavy rainfall.	5550	10		N/A	BA	6 Months
1/24/10	1109	BIDDLE STREET	KUW	Williams Creek	25	Lateral Cleanout & BBU	BBU	The sewer main was flushed to remove the blockage caused by roots and influenced by heavy rainfall.	1000	1		N/A	BA	6 Months
1/24/10	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains.	138060	8	✓	Construction Completed	BA	6 Months
1/24/10	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1 & MLSS Wetwell		Rainfall in the area produced I & I and high flows in sewer mains.	74000	1.62		Future Construction Planned	N/A	N/A
1/24/10	5760	SANDIS LANE	LC	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
1/24/10	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Rainfall in the area produced I & I and high flows in sewer mains.	90	3		Future Construction Planned	BA	6 Months
1/25/10	6621	CLINTON HIGHWAY	KUW	Third Creek	50	Air Release Valve		The air release valve malfunctioned resulting in an SSO.	190	2		N/A	Repair Completed	N/A
1/25/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	✓	Construction Completed	N/A	N/A
1/25/10	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	✓	Construction Completed	NA	NA
1/25/10	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	✓	Construction Underway	NA	NA
1/25/10	4505	MIDDLEBROOK PIKE	KUW	Third Creek	13	Diversion Structure		Rainfall in the area produced I & I and high flows in sewer mains.	21600	4		Future Construction Planned	N/A	N/A
1/25/10	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Rainfall in the area produced I & I and high flows in sewer mains.	95580	9	✓	Construction Completed	N/A	N/A
1/25/10	7100	ROTHERWOOD DRIVE	FC	Fourth Creek	36	MH 32, 33, 34 & 36		Rainfall in the area produced I & I and high flows in sewer mains.	41575	36	✓	Construction Completed	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	1		Future Construction Planned	N/A	N/A
1/26/10	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Rainfall in the area produced I & I and high flows in sewer mains.	3400	12		Future Construction Planned	BA	12 Months
1/27/10	4611	KINGSTON PIKE	KUW	Third Creek	34	Broken Sewer Main		There was a collapsed portion of the sewer main.	1,000	1		N/A	Repair Completed	N/A
1/27/10	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Rainfall in the area produced I & I and high flows in sewer mains.	105	1		Future Construction Planned	BA	6 Months
1/28/10	702	E INSKIP DRIVE	KUW	First Creek	7	MH 29-63		The sewer main was flushed to remove the blockage caused by debris.	410	1		Future Construction Planned	BA	12 Months
2/2/10	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Rainfall in the area produced I & I and high flows in sewer mains.	1000	1	✓	Future Construction Planned	BA	6 Months
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
2/5/10	2621	BRAGG STREET	KUW	Third Creek	22	MH 21-123		The sewer main was flushed to remove the blockage caused by debris and influenced by heavy rainfall.	60	1.5		N/A	BA	6 Months
2/5/10	2430	HIGHLAND DRIVE	KUW	First Creek	4	Lateral Cleanout		The sewer main was flushed to remove the blockage caused by debris and influenced by heavy rainfall.	2290	1.5		N/A	BA	6 Months
2/5/10	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Rainfall in the area produced I & I and high flows in sewer mains.	11500	8	✓	Future Construction Planned	BA	6 Months
2/5/10	7104	ROTHERWOOD DRIVE	FC	Fourth Creek	36	MH 34		Rainfall in the area produced I & I and high flows in sewer mains.	51015	71	✓	Construction Completed	N/A	N/A
2/10/10	800	BENNETT PLACE	FC	Fourth Creek	32B	Broken Gravity Main		There was a collapsed portion of the sewer main.	45900	72	✓	Construction Completed	Repair Completed	N/A
2/12/10	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Air Release Valve		The air release valve malfunctioned resulting in an SSO.	4130	1.5		Construction Completed	N/A	N/A
2/14/10	302	LINGBURTON AVENUE	LC	Loves Creek	20	Lateral Cleanout		There was a mechanical failure of the residential grinder pump.	5	5		N/A	Repair Completed	N/A
2/15/10	100	THIRTEENTH STREET	KUW	Second Creek	23	Broken Sewer		There was a collapsed portion of the sewer main.	100	1		N/A	Repair Completed	N/A
2/19/10	6410	S NORTHSHORE DRIVE	FC	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
2/21/10	5713	MILLERTOWN PIKE	LC	Loves Creek	6	Broken Sewer		There was an SSO caused by a leaking low pressure sewer pipe.	5	1.5		N/A	Repair Completed	N/A
3/7/10	3403	VALLEY VIEW DRIVE	KUW	First Creek	8	MH 9-86		The sewer main was flushed to remove the blockage caused by debris.	1590	1.5		N/A	Repair Completed	N/A
3/8/10	1904	SANDERSON ROAD	KUW	Third Creek	28	MH 16-27		The sewer main was flushed to remove the blockage caused by debris and the protruding lateral was trimmed.	50	1		N/A	Repair Completed/BA	6 Months
3/10/10	6024	BROOKVALE LANE	FC	Fourth Creek	33	MH 15		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown		Future Construction Planned	N/A	N/A
3/10/10	955	KNOXVILLE COLLEGE DRIVE	KUW	Third Creek	22	MH 6-78		The sewer main was flushed to remove the blockage caused by vandalism.	1250	1		N/A	BA	12 Months
3/12/10	4804	BAY STREET	KUW	Third Creek	13	MH 34-31		The sewer main was flushed to remove the blockage caused by debris.	230	1		N/A	BA	12 Months
3/17/10	2217	MARTIN LUTHER KING JR DRIVE	KUW	First Creek	24	MH 6-152 & Privately Owned MH		The sewer main was flushed to remove the blockage caused by debris.	530	0.5		N/A	BA	6 Months
3/18/10	5732	TENNYSON DRIVE	FC	Fourth Creek	32A	MH 49-182		The sewer main was flushed to remove the blockage caused by debris.	20,825	168 Intermittently		N/A	BA	6 Months
3/19/10	5218	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	22	3		N/A	Repair Completed	N/A
3/19/10	6549	CREEKHEAD DRIVE	FC	Fourth Creek	32A	MH 49-2		The sewer main was flushed to remove the blockage caused by debris.	2,030	0.5		N/A	BA	12 Months
3/23/10	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		There was an SSO caused by temporary electrical power failure.	50000	0.05		Future Construction Planned	N/A	N/A
4/3/10	5236	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	10	3		N/A	Repair Completed	N/A
4/9/10	8630	ASHEVILLE HIGHWAY	EB	Eastbridge	72	Private Property/BBU	BBU	The sewer main was flushed to remove the blockage caused by debris.	950	15		N/A	BA	12 Months
4/10/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was an electrical failure of the residential grinder pump.	5	3	✓	N/A	Repair Completed	N/A
4/17/10	5105	BALL ROAD	KUW	Third Creek	49	Broken Force Main		The SSO was the result of a broken force main.	72675	2		N/A	Repair Completed	N/A
4/17/10	5011	KINGSTON PIKE	FC	Fourth Creek	34	MH 58		The sewer main was flushed to remove the blockage caused by debris and a protruding lateral was trimmed.	290	1.4		Construction Completed	N/A	N/A
4/30/10	6712	DEANE HILL DRIVE	FC	Fourth Creek	36	MH 3-176		The sewer main was flushed to remove the blockage caused by a collapsed manhole and the manhole was repaired.	4320	1		N/A	Repair Completed	N/A
5/3/10	601	ARTHUR STREET	KUW	Second 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
5/3/10	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains.	4200	2.25	✓	Construction Completed	BA	6 Months
5/3/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	3600	3	✓	Construction Completed	N/A	N/A
5/3/10	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Rainfall in the area produced I & I and high flows in sewer mains.	750	5	✓	Construction Completed	NA	NA
5/3/10	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Rainfall in the area produced I & I and high flows in sewer mains.	450	2.5	✓	Construction Underway	NA	NA
5/3/10	5816	HOLSTON HILLS ROAD	LC	Loves Creek	26	MH 104-4 and BBU	BBU	The SSO/BBU was caused by temporary electrical failure during high rainfall event.	940	1.5		N/A	Repair Completed / BA	12 Months
5/6/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	10	3	✓	N/A	Repair Completed	N/A
5/12/10	4509	LONDON 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
5/16/10	3628	LUCINDA DRIVE	KUW	First Creek	3									

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
8/16/10	1104	MCCALLA AVENUE	KUW	First Creek	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	KUW	Third Creek	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	BA	6 Months
8/16/10	815	S 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
8/26/10	800	BENNETT PLACE	FC	Fourth Creek	32B	Broken Gravity Main		The sewer main was flushed to remove the blockage caused by debris.	7750	24	✓	Construction Completed	Repair Completed	N/A
8/27/10	1700	EVENING SHADE LANE	FC	Fourth Creek	37	Broken Force Main		The SSO was caused by a broken force main.	10	3		N/A	Repair Completed	N/A
8/30/10	5307	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	15	1	✓	N/A	Repair Completed	N/A
9/6/10	8083	KINGSTON PIKE	FC	Fourth Creek	32	MH 9-4		The sewer main was damaged during a gas main installation.	24000	48		N/A	Repair Completed	N/A
9/11/10	1408	ADAIR DRIVE	KUW	First Creek	7	MH 26		Rainfall in the area produced I & I and high flows in sewer mains.	60	1		Future Construction Planned	N/A	N/A
9/11/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	1000	1	✓	Construction Completed	N/A	N/A
9/12/10	5915	NEUBERT SPRINGS ROAD	KUW	Knob Creek	41	Unnamed MH at Facility		The SSO was caused by temporary electrical power failure during high rainfall event.	294000	3.5	✓	Future Construction Planned	N/A	N/A
9/26/10	906	BATHURST ROAD	FC	Fourth Creek	32	MH 4-23		Their was a partial blockage in the sewer main caused by roots and influenced by heavy rainfall	5	1		Future Construction Planned	BA	12 Months
10/25/10	4509	PAPERMILL DRIVE	KUW	Third Creek	28	MH 31		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	Loves Creek	20	Broken Force Main		The SSO was caused by a broken force main.	170	1.5		N/A	Repair Completed	N/A
11/17/10	5307	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder pump failure.	10	2.5	✓	N/A	Repair Completed	N/A
11/30/10	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 45, 44, 43, 42, 41, 40 and 39		Rainfall in the area produced I & I and high flows in sewer mains.	12750	8	✓	Future Construction Planned	BA	6 Months
11/30/10	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains.	17250	8	✓	Construction Completed	BA	6 Months
11/30/10	2541	FAIR DRIVE	KUW	First Creek	4	MH 20-2		Rainfall in the area produced I & I and high flows in sewer mains.	150	1		Future Construction Planned	BA	12 Months
11/30/10	1908	JEFFERSON AVENUE	KUW	First Creek	24	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	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		Construction Completed	NA	NA
12/1/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder pump failure.	2	1	✓	N/A	Repair Completed	N/A
12/1/10	1411	DAVANNA STREET	KUW	Second Creek	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	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Rainfall in the area produced I & I and high flows in sewer mains.	1500	3		Construction Underway	NA	N/A
12/1/10	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	1840000	11.5		Future Construction Planned	N/A	N/A
12/3/10	100	LEBANON STREEET	KUW	Third Creek	34	Private Manhole		The SSO was caused by a broken manhole connection.	40	2		N/A	Repair Completed	N/A
12/3/10	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Rainfall in the area produced I & I and high flows in sewer mains.	1000	3		Future Construction Planned	BA	6 Months
12/13/10	5332	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder pump failure.	30	4		N/A	Repair Completed	N/A
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	BA	6 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
1/1/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	5,630	3	✓	Construction Completed	N/A	N/A
1/1/2011	5011	KINGSTON PIKE	FC	Fourth Creek	34	MH 58		Rainfall in the area produced I & I and high flows in sewer mains.	600	3	✓	Construction Completed	N/A	N/A
1/1/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1 & MLSS Wetwell		Rainfall in the area produced I & I and high flows in sewer mains.	380,000	2.82	✓	Future Construction Planned	N/A	N/A
1/7/2011	2526	E FIFTH AVENUE	KUW	Williams Creek	19	Lateral Cleanouts at 2522, 2524, 2526 & 2528 E. Fifth Avenue		Blockage - Grease	900	2		N/A	BA/Grease Control	12 Months
1/7/2011	5915	NEUBERT SPRINGS ROAD	KUW	Knob Creek	41	Unnamed Manhole at Facility		Rainfall in the area produced I & I and high flows in sewer mains.	224,000	4.4	✓	Future Construction Planned	N/A	N/A
1/8/2011	2726	WILSON AVENUE	KUW	Williams Creek	19	MH 8-1		Blockage - Grease	760	1.5		N/A	BA/Grease Control	12 Months
1/12/2011	3922	NERVA ROAD	KUW	Second Creek	10	MH 17-78		Blockage - Grease	300	1		N/A	BA/Grease Control	6 Months
1/20/2011	5405	GREEN VALLEY DRIVE	LC	Loves Creek	26	Air Release Valve		System Failure - Air Release Valve Failure	20	0.5	✓	Construction Completed	N/A	N/A
1/24/2011	5926	ANTIGUA LANE	KUW	Third Creek	11	MH 22-11		System Failure - Offset Joint	500	5		N/A	Repair Completed	N/A
1/24/2011	500	MIMOSA AVENUE	KUW	South Knoxville	40	MH 1-85		System Failure - Manhole Failure	10,000	5		N/A	Repair Completed	N/A
1/25/2011	5235	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Broken Gravity Main		System Failure - Broken Force Main	10	1		N/A	Repair Completed	N/A
1/26/2011	117	SIXTEENTH STREET	KUW	Second Creek	23	MH 21-33		System Failure - Broken Gravity Main	700	1.5		N/A	Repair Completed	N/A
1/27/2011	3914	ROBERTS ROAD	EB	Eastbridge	113	Abandoned Air Release Valve		Construction Failure - Unconnected Lateral	375	2		N/A	Repair Completed	N/A
1/31/2011	4216	VALENCIA ROAD	KUW	Third Creek	38	MH 49-9		Blockage - Roots	65	2		N/A	BA	6 Months
2/6/2011	1908	EDGEWOOD AVENUE	KUW	First Creek	16	Water Meter Well		System Failure - Broken Gravity Main	180	1		N/A	Repair Completed	N/A
2/15/2011	3413	KINGSTON PIKE	KUW	Third Creek	29	Temporary Sewer Main		Construction Failure - A Failed Connection at a Temporary System was Repaired.	25	1		Construction Completed	N/A	N/A
2/15/2011	6140	KIRBURY LANE	FC	Fourth Creek	33	MH 65-19		Blockage - Roots	10	1		N/A	BA	12 Month
2/15/2011	2236	MARTIN LUTHER KING JR DRIVE	KUW	First Creek	24	MH 6-154		Blockage - Grease	30	1		N/A	BA	6 Months
2/16/2011	5720	ASHEVILLE HIGHWAY	LC	Loves Creek	20	MH 11-3		Blockage - Roots	2,300	3		N/A	Repair Completed	N/A
2/16/2011	604	BEN HUR AVENUE	KUW	Williams Creek	25	Abandoned Lateral Cleanout		Blockage - Debris	500	1.5		N/A	BA	6 Months
2/16/2011	512	FLENNWOOD WAY	KUW	South Knoxville	39	MH 61		Blockage - Grease and Debris	3,200	3		N/A	BA/Grease Control	6 Months
2/17/2011	850	TALLY HO DRIVE	KUW	South Knoxville	39	MH 62-21		Blockage - Grease and Roots	150	1		N/A	BA/Grease Control	9 Months
2/23/2011	1932	OLD AMHERST ROAD	FC	Fourth Creek	27	Lateral Cleanout		Blockage - Grease	3,000	4		Future Construction Planned	BA/Grease Control	12 Month
2/23/2011	6505	VINTAGE DRIVE	KUW	Third Creek	11	MH 48-38		Blockage - Debris	150	1		N/A	BA	12 Months
2/24/2011	1204	PICKWICK ROAD	LC	Loves Creek	26	Lateral Cleanout		Blockage - Grease	30	1		N/A	BA/Grease Control	12 Months
2/25/2011	1124	DELAWARE AVENUE	KUW	Second Creek	15	MH 21-53		Blockage - Grease and Debris	500	2		N/A	BA/Grease Control	6 Months
2/28/2011	3218	AVONDALE AVENUE	KUW	First Creek	8	MH 22-33, Broken Lateral & BBU at 3218 & 3220 Avondale Avenue	BBU	Blockage - Grease, Influenced by heavy rainfall.	1,500	3		N/A	BA	12 Months
2/28/2011	2536	CECIL AVENUE	KUW	First Creek	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	2500	CEDAR LANE	KUW	First Creek	4	MH 22-13		Rainfall in the area produced I & I and high flows in sewer mains.	500	1		Future Construction Planned	N/A	N/A
2/28/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	5,800,000	4	✓	Construction Completed	N/A	N/A
2/28/2011	113	DRINNEN AVENUE	KUW	South Knoxville	39	MHs 28-26 & 28-27		Rainfall in the area produced I & I and high flows in sewer mains.	600	2		Future Construction Planned	N/A	N/A
2/28/2011	1127	E MOODY AVENUE	KUW	South Knoxville	40	MH 40-3		Rainfall in the area produced I & I and high flows in sewer mains.	600	2		N/A	N/A	N/A
2/28/2011	4014	HOLSTON HILLS ROAD	LC	Loves Creek	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	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	✓	Future Construction Planned	N/A	N/A
2/28/2011	4800	MALONEYVILLE ROAD	EB	Eastbridge	109	Bar Screen		Rainfall in the area produced I & I and high flows in sewer mains.	3,750	1.25		Future Construction Planned	BA	3 months
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
2/28/2011	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	360,000	0.5	✓	Future Construction Planned	N/A	N/A
2/28/2011	923	OKLETT DRIVE	KUW	Second Creek	5	Wetwell		Rainfall in the area produced I & I and high flows in sewer mains.	9,000	1.5		Future Construction Planned	N/A	N/A
2/28/2011	2008	RIVERSIDE DRIVE	KUW	Williams Creek	25	MH 2		Rainfall in the area produced I & I and high flows in sewer mains.	720,000	4	✓	Future Construction Planned	N/A	N/A
2/28/2011	815	S 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
2/28/2011	2102	WASHINGTON AVENUE	KUW	First 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
2/28/2011	3814	WOODLAKE DRIVE	KUW	First Creek	1	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	400	4	✓	Construction Completed	N/A	N/A
3/1/2011	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Rainfall in the area produced I & I and high flows in sewer mains.	67,500	3	✓	Construction Underway	N/A	N/A
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
3/1/2011	5205	HAYNES-STERCHI ROAD	KUW	Second Creek	5	MH 35-4		Blockage - Debris, Influenced by heavy rainfall.	500	1		N/A	BA	3 Months
3/1/2011	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Rainfall in the area produced I & I and high flows in sewer mains.	24,000	2	✓	Future Construction Planned	N/A	N/A
3/1/2011	1940	OLD AMHERST ROAD	FC	Fourth Creek	27	MH 22-117		Rainfall in the area produced I & I and high flows in sewer mains.	50	1		Future Construction Planned	N/A	N/A
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
3/1/2011	411	W BAXTER AVENUE	KUW	Second 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
3/1/2011	7927	W CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-12		Blockage - Debris, Influenced by heavy rainfall.	50	1		N/A	BA	6 Months
3/2/2011	781	BAGWELL LANE	LC	Loves Creek	63	Wastewater Pump Facility		Rainfall in the area produced I & I and high flows in sewer mains.	576,000	12		Future Construction Planned	N/A	N/A
3/2/2011	3011	E GOV JOHN SEVIER HIGHWAY	KUW	Riverdale	65	Wastewater Pumpin Facility		Rainfall in the area produced I & I and high flows in sewer mains.	21,600	3		Construction Completed	N/A	N/A
3/2/2011	5508	GREEN VALLEY DRIVE	LC	Loves Creek	26	Broken Pipe		System Failure - Broken Force Main	2,025	1	✓	Construction Completed	N/A	N/A
3/2/2011	2430	HIGHLAND DRIVE	KUW	First Creek	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	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Rainfall in the area produced I & I and high flows in sewer mains.	100	2		Future Construction Planned	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	✓	Future Construction Planned	N/A	N/A
3/3/2011	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	✓	Future Construction Planned	N/A	N/A
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
3/6/2011	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains.	1,500	3	✓	Construction Completed	N/A	N/A
3/7/2011	4420	ALTA VISTA WAY	KUW	Third Creek	38	Broken Gravity Main		Blockage - Debris, Influenced by Heavy Rainfall	13,000	2		N/A	BA	12 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
3/7/2011	243	GILBERT LANE	KUW	South Knoxville	40	Lateral Cleanout		Blockage - Grease, Influenced by heavy rainfall.	5,000	2		N/A	BA/Grease Control	6 Months
3/9/2011	2536	CECIL AVENUE	KUW	First 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
3/9/2011	5405	GREEN VALLEY DRIVE	LC	Loves Creek	26	Air Release Valve		System Failure - Air Release Valve Failure	150	1	✓	Construction Completed	N/A	N/A
3/9/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	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 Creek	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

Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
3/10/2011	2377	NEYLAND DRIVE	KUW	Third Creek	35B	MH 3		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown		Future Construction Planned	N/A	N/A
3/12/2011	1218	GLADE HILL DRIVE	FC	Loves Creek	32A	MHs 30-50 & 30-52		Blockage - Grease	670	2.5		N/A	BA/Grease Control	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	1716	POLKWRIGHT LANE	FC	Fourth Creek	37	Residential Grinder Pump		Grinder Pump Failure	5	1		N/A	Repair Completed	N/A
3/17/2011	6410	S 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
3/19/2011	123	INGERSOLL AVENUE	KUW	South Knoxville	39	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	409	N BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Rainfall in the area produced I & I and high flows in sewer mains.	300	1	✓	Construction Completed	N/A	N/A
3/29/2011	702	REDWINE STREET	KUW	South Knoxville	39	MH 5		Construction Failure - Bypass Pump Failure	100	0.25		N/A	Repair Completed	N/A
4/4/2011	2641	MARYVILLE PIKE	KUW	Knob Creek	45	Residential Grinder Pump		Grinder Pump Failure	10	1		N/A	Repair Completed	N/A
4/5/2011	4228	CROSBY DRIVE	KUW	Third Creek	28	MH 27-3		Blockage - Roots	75	1		N/A	BA	6 Months
4/6/2011	8105	W CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-18		Blockage - Roots	400	2.5		N/A	BA	6 Months
4/7/2011	3526	BUFFAT MILL ROAD	LC	First Creek	18	MH 65-19 and BBU	BBU	Blockage - Roots	300	4		N/A	BA	12 Months
4/14/2011	4418	KINGSTON PIKE	KUW	Third Creek	34	Lateral Cleanout		System Failure - Broken Gravity Main	10	2		N/A	Repair Completed	N/A
4/16/2011	3410	BORIGHT DRIVE	KUW	First Creek	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
4/16/2011	2536	CECIL AVENUE	KUW	First 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
4/16/2011	4100	CENTRAL AVENUE PIKE	LC	Second Creek	10	MH 17-9		Rainfall in the area produced I & I and high flows in sewer mains.	800	4	✓	Future Construction Planned	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	South Knoxville	40	MH 47 & 47-103		Rainfall in the area produced I & I and high flows in sewer mains.	1,900	1	✓	Construction Underway	N/A	N/A
4/16/2011	2544	FAIR DRIVE	KUW	First Creek	4	MH 77		Rainfall in the area produced I & I and high flows in sewer mains.	100	1		Future Construction Planned	N/A	N/A
4/16/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	350,000	2.82	✓	Future Construction Planned	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	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	N/A	N/A
4/16/2011	4713	OLD BROADWAY	KUW	First Creek	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
4/16/2011	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Rainfall in the area produced I & I and high flows in sewer mains.	2,000	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	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	19,000	5	✓	Future Construction Planned	N/A	N/A
4/17/2011	3814	WOODLAKE DRIVE	KUW	First Creek	1	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	20	1	✓	Construction Completed	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	5546	WILKERSON ROAD	KUW	Third Creek	9	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	50	1	✓	Future Construction Planned	N/A	N/A
4/21/2011	4505	MIDDLEBROOK PIKE	KUW	Third 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
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	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	680,000	5.82	✓	Future Construction Planned	N/A	N/A
4/28/2011	600	N GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Rainfall in the area produced I & I and high flows in sewer mains.	36,000	3	✓	Future Construction Planned	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	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Rainfall in the area produced I & I and high flows in sewer mains.	5	1	✓	Future Construction Planned	N/A	N/A
4/28/2011	237	W SCOTT AVENUE	KUW	Second Creek	15	MH 9		Rainfall in the area produced I & I and high flows in sewer mains.	1,000	1		Future Construction Planned	N/A	N/A
4/28/2011	5546	WILKERSON ROAD	KUW	Third Creek	9	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	100	1	✓	Future Construction Planned	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	6928	WESTLAND DRIVE	FC	Fourth Creek	36	Broken Gravity Main		System Failure - Broken Gravity Main	57,000	2		N/A	Repair Completed	N/A
5/2/2011	3604	HILLVALE CIRCLE	KUW	Third Creek	38	MH 1-115		Rainfall in the area produced I & I and high flows in sewer mains.	100	6		Future Construction Planned	N/A	N/A
5/9/2011	2639	LOUISE AVENUE	KUW	Williams Creek	19	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	2524	JACOB DRIVE	KUW	Third Creek	35B	MH 4-9		Construction Failure - Bypass Pump Failure	2,000	2		N/A	Repair Completed	N/A
5/11/2011	5356	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder Pump Failure	5	1		N/A	Repair Completed	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	1216	GLENOAKS DRIVE	KUW	First Creek	7	Lateral Cleanout		Blockage - Roots, Grease, and Debris	30	1		N/A	BA/Grease Control	12 Months
6/6/2011	2305	CLINCH AVENUE	KUW	Third Creek	35B	MH 39		Blockage - Debris	750	1		N/A	BA	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	814	W FOURTH AVENUE	KUW	Second Creek	23	MH 19-189		Blockage - Debris	5,550	1.5		N/A	BA/Grease Control	12 Months
6/11/2011	4304	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure	6	1	✓	N/A	Repair Completed	N/A
6/14/2011	2010	E FIFTH AVENUE	KUW	First Creek	24	Broken Gravity Main		System Failure - Broken Gravity Main	7,800	2.5		N/A	Repair Completed	N/A
6/17/2011	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Pump Station - Electrical Failure	200	0.16		Construction Completed	N/A	N/A
6/24/2011	3621	BORIGHT DRIVE	KUW	First Creek	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
6/24/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	100	1	✓	Construction Completed	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	First Creek	7	MH 29-9		Rainfall in the area produced I & I and high flows in sewer mains.	60	1	✓	Future Construction Planned	N/A	N/A
6/25/2011	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
6/29/2011	4014	HOLSTON HILLS ROAD	LC	Loves Creek	26	MH 72		Rainfall in the area produced I & I and high flows in sewer mains.	200	1	✓	Future Construction Planned	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	5936	MONTINA ROAD	KUW	Third Creek	9	MH 17-212 & 17-210		Blockage - Debris	3,300	4		N/A	BA	12 Months
7/7/2011	800	GRAVES STREET	KUW	Williams Creek	25	MH 31		Blockage - Grease, Debris, Influenced by Heavy Rainfall	500	1		N/A	BA/Grease Control	3 Months
7/7/2011	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Rainfall in the area produced I & I and high flows in sewer mains.	1,000	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	KUW	Knob Creek	41	Lateral Cleanout and BBU	BBU	Construction Failure - Bypass Pump Failure	225	0.083		N/A	Repair Completed	N/A
7/20/2011	1912	CUMBERLAND AVENUE	KUW	Third Creek	35b	Lateral Cleanout		Construction Failure - Unconnected Lateral	150	4		N/A	Repair Completed	N/A
7/23/2011	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder Pump Failure	5	1		N/A	Repair Completed	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	701	WORLDS FAIR PARK DRIVE	KUW	Second Creek	23	MH 19-9		Blockage - Debris	300	2		Construction Completed	N/A	N/A
8/11/2011	516	N BEAMAN STREET	LC	Loves Creek	20	MH 61-8		Blockage - Roots	10	0.25		Construction Underway	BA	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	5247	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder Pump Failure	5	1		N/A	Repair Completed	N/A
9/1/2011	6235	RUTLEDGE PIKE	LC	Loves Creek	105	Grinder Pump and BBU	BBU	Grinder Pump Failure	20	1		N/A	Repair Completed	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	1903	JEFFERSON AVENUE	KUW	First Creek	24	MH 25-18, 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
9/5/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	1,240,000	17.35	✓	Future Construction Planned	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	✓	Future Construction Planned	N/A	N/A
9/7/2011	2111	MOHAWK AVENUE	KUW	Williams Creek	25	MH 4-2		Blockage - Grease, Influenced by heavy rainfall.	5,400	12		N/A	BA/Grease Control	12 Months
9/9/2011	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder Pump Failure	8	2	✓	N/A	Repair Completed	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	✓	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	12 Months
10/1/2011	4304	ROBERTS ROAD	LC	Eastbridge	113	Residential Grinder Pump		Grinder Pump Failure	6	0.5	✓	N/A	Repair Completed	N/A
10/3/2011	1915	LYONS BEND ROAD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder Pump Failure	6	0.5		N/A	Repair Completed	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	KUW	First Creek	4	MH 35-25		System Failure - Broken Gravity Main	50	1		N/A	Repair Completed	N/A
11/2/2011	409	N WINSTON ROAD	FC	Fourth Creek	32B	MH17-1		System Failure - Broken Gravity Main	50	2		N/A	Repair Completed	N/A
11/5/2011	846	HANSMORE PLACE	FC	Fourth Creek	36	MH 3-325		Blockage - Debris	100	3		N/A	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	BA/Grease Control	12 Months
11/16/2011	1908	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	50	1	✓	Future Construction Planned	N/A	N/A
11/16/2011	1216	WATERCRESS DRIVE	KUW	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
11/17/2011	1919	TENNESSEE AVENUE	KUW	Third Creek	22	2 Lateral Cleanouts		Blockage - Debris, Influ						

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
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

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
2/28/2011	3814	WOODLAKE DRIVE	KUW	First Creek	1	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	400	4	✓	Construction Completed	N/A	N/A
4/17/2011	3814	WOODLAKE DRIVE	KUW	First Creek	1	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	20	1	✓	Construction Completed	N/A	N/A
1/7/09	5315	SHANNONDALE ROAD	KUW	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
3/18/09	4125	GREENWAY DRIVE	KUW	First Creek	2	Private Sewer Connection		There was an unconnected private sewer main.	Unknown	Unknown		Curent 5-Yr Plan	N/A	N/A
2/19/03	4144	OAKLAND DR	KUW	First Creek	2	MH 39-48		Heavy rainfall in the area resulted in high flows in the collection system.	360	6	✓	Construction Completed	BA	6 Months
2/22/03	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	4144	OAKLAND DR	KUW	First Creek	2	MH 39-4 & 39-5		Heavy rainfall in the area resulted in high flows in the collection system.	12,000	20	✓	Construction Completed	BA	12 Months
3/10/04	4144	OAKLAND DR	KUW	First Creek	2	MH 39-4		Heavy rainfall in the area resulted in high flows in the collection system.	450	4	✓	Construction Completed	BA	12 Months
11/30/04	4144	OAKLAND DR	KUW	First Creek	2	MH 39-4		Heavy rainfall in the area resulted in high flows in the collection system.	1080	3	✓	Construction Completed	BA	12 Months
12/7/04	4144	OAKLAND DR	KUW	First Creek	2	MH 39-4 & 39-44		Heavy rainfall in the area resulted in high flows in the collection system.	2000	2.75	✓	Construction Completed	BA	12 Months
12/11/04	4144	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	4144	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	✓	Construction Completed	N/A	N/A
12/11/08	4144	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		The sewer main was flushed to remove the blockage caused by construction debris.	270	1.5		N/A	N/A	N/A
8/29/02	4710	MURPHY RD	KUW	First Creek	2	Residential Pump Station		The wastewater pump station overflowed due to a mechanical failure at the station.	10	2		N/A	Repair Completed	N/A
3/25/08	4710	MURPHY ROAD	KUW	First Creek	2	Wetwell		The mechanical failure of the residential grinder pump was repaired.	14	2		N/A	Repair Completed	N/A
5/5/09	4710	MURPHY ROAD	KUW	First Creek	2	Wetwell		There was a mechanical failure of the commercial grinder pump.	100	2.5		N/A	Repair Completed	N/A
11/24/04	4811	BEVERLY RD	KUW	First Creek	2	MH 39-44 & 39-4		Heavy rainfall in the area resulted in high flows in the collection system.	9360	8	✓	Construction Completed	BA	12 Months
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
1/19/01		OAKLAND DR & BEVERLY RD	KUW	First Creek	2	MH 39-4		Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by debris.	2000	4		N/A	BA	12 Months
1/18/10	229	LYNNWOOD DRIVE	KUW	First Creek	3	MH 2-98		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	3628	LUCINDA DRIVE	KUW	First Creek	3	Lateral Cleanout		The sewer main was flushed to remove the blockage caused by grease.	18	2		N/A	BA	6 Months
2/19/08	5364	NORTH BROADWAY	KUW	First Creek	3	MH 10-4		The sewer main was flushed to remove the blockage caused by grease and debris.	5	0.5		N/A	BA/Grease Control	6 Months
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	8		N/A	Repair Completed	N/A
6/25/10	5660	COLONIAL CIRCLE	KUW	First Creek	3	MH 14-2		The 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	1713	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	2007	RIDGECREST DRIVE	KUW	First Creek	4	MH 18-126		The sewer main was flushed to remove the blockage caused by roots.	561	5		N/A	BA	6 Months
3/3/08	2108	BELCARO DRIVE	KUW	First Creek	4	MH 18-117		The sewer main was flushed to remove the blockage caused by debris.	1	0.25		N/A	BA	6 Months
5/8/08	2113	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	2204	HIGHLAND DRIVE	KUW	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	KUW	First Creek	4	MH 18-58, 18-54 & 18-53		The sewer main was flushed to remove the unknown blockage and influenced by heavy rainfall.	5550	10		N/A	BA	6 Months
2/5/10	2430	HIGHLAND DRIVE	KUW	First Creek	4	Lateral Cleanout		The sewer main was flushed to remove the blockage caused by debris and influenced by heavy rainfall.	2290	1.5		N/A	BA	6 Months
3/2/2011	2430	HIGHLAND DRIVE	KUW	First Creek	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
2/28/2011	2500	CEDAR LANE	KUW	First Creek	4	MH 22-13		Rainfall in the area produced I & I and high flows in sewer mains.	500	1		Future Construction Planned	N/A	N/A
11/30/10	2541	FAIR DRIVE	KUW	First Creek	4	MH 20-2		Rainfall in the area produced I & I and high flows in sewer mains.	150	1		Current 5-Yr Plan	BA	12 Months
4/16/2011	2544	FAIR DRIVE	KUW	First Creek	4	MH 77		Rainfall in the area produced I & I and high flows in sewer mains.	100	1		Future Construction Planned	N/A	N/A
12/31/2011	3602	EAST KESTERWOOD DRIVE	KUW	First Creek	4	Lateral Cleanout		Blockage - Roots	375	2		Construction Underway	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
10/21/2011	5401	MONTCREST ROAD	KUW	First Creek	4	MH 35-25		System Failure - Broken Gravity Main	50	1		N/A	Repair Completed	N/A
11/6/09	212	DRY GAP PIKE	KUW	Second Creek	5	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
10/24/08	405	MERCHANTS DRIVE	KUW	Second Creek	5	Leaking Joint		The sewer main was flushed to remove the blockage caused by grease during a rainfall event.	280	1		N/A	BA	6 Months
1/7/09	701	CEDAR LANE	KUW	Second Creek	5	MH 35-4		The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall.	37,450	26		N/A	BA	3 Months
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		N/A	BA	6 Months
1/6/10	905	KERMIT DRIVE	KUW	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	923	OAKLETT DRIVE	KUW	Second Creek	5	Wetwell		Rainfall in the area produced I & I and high flows in sewer mains.	9,000	1.5		Future Construction Planned	N/A	N/A
1/10/09	5007	ROWAN ROAD	KUW	Second Creek	5	MH 17-47		The sewer main was flushed to remove the blockage caused by roots.	1,080	2		N/A	BA	3 Months
3/1/2011	5205	HAYNES-STERCHI ROAD	KUW	Second Creek	5	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	206	HILLVIEW AVENUE	LC	Loves Creek	6	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		The 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	LC	Loves Creek	6	BBU and Service Lateral		A private contractor installing a gas main bored through the service lateral.	19	1		N/A	Repair Completed	N/A
2/7/09	3853	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
7/7/08	4410	BUFFAT MILL ROAD	LC	Loves Creek	6	MH 29-289		The sewer main was flushed to remove the blockage caused by roots.	216	3		N/A	BA	6 Months
8/11/09	4502	MILLERTOWN PIKE	LC	Loves Creek	6	Lateral		The lateral was damaged during installation of gas main.	137	72 Intermittently		N/A	Repair Completed	N/A
2/21/10	5713	MILLERTOWN PIKE	LC	Loves Creek	6	Broken Sewer		There was an SSO caused by a leaking low pressure sewer pipe.	5	1.5		N/A	Repair Completed	N/A
1/28/10	702	EAST INSKIP DRIVE	KUW	First Creek	7	MH 29-63		The sewer main was flushed to remove the blockage caused by debris.	410	1		Current 5-Yr Plan	BA	12 Months
6/2/2011	1216	GLENOAKS DRIVE	KUW	First Creek	7	Lateral Cleanout		Blockage - Roots, Grease, and Debris	30	1		Future Construction Planned	BA/Grease Control	12 Months
12/11/08	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system.	65	1		N/A	BA	6 Months
12/3/10	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Rainfall in the area produced I & I and high flows in sewer mains.	1000	3		Current 5-Yr Plan	BA	6 Months
3/3/2011	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	✓	Future Construction Planned	N/A	N/A
6/24/2011	1216	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Rainfall in the area produced I & I and high flows in sewer mains.	60	1	✓	Future Construction Planned	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 sewer mains.	50	1	✓	Future Construction Planned	N/A	N/A
11/16/2011	1216	WATERCRESS DRIVE	KUW	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
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
11/24/04	1235	WATERCRESS DR	KUW	First Creek	7	MH 29-9		Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by grease.	3960	8.25		N/A	BA/Grease Control	6 Months
9/23/06	1235	WATERCRESS DRIVE	KUW	First Creek	7	MH 29-9		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	1440	6		N/A	BA	6 Months
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
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
9/11/10	1408	ADAIR DRIVE	KUW	First Creek	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
12/8/08	1902	HIGHLAND DRIVE	KUW	First Creek	7	MH 17-32		The sewer main was flushed to remove the blockage caused by roots.	1,025	10		N/A	BA	6 Months
9/23/06	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	360	2		N/A	BA	12 Months
1/27/10	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Rainfall in the area produced I & I and high flows in sewer mains.	105	1		Current 5-Yr Plan	BA	6 Months
3/2/2011	4600	UPCHURCH ROAD	KUW	First Creek	7	MH 45		Rainfall in the area produced I & I and high flows in sewer mains.	100	2		Future Construction Planned	N/A	N/A
2/19/03	4606	UPCHURCH RD	KUW	First Creek	7	MH 45		Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by swags.	90	3		N/A	BA	12 Months
3/28/03	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	Unknown	Unknown		Construction Completed	BA	12 Months
1/28/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system/Overflow had stopped prior to arrival of crew/Evidence of SSO was present.	50	2	✓	Construction Completed	BA	12 Months

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
2/6/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	13,500	18	✓	Construction Completed	BA	12 Months
3/6/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	3150	2.5	✓	Construction Completed	BA	12 Months
6/23/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	N/A	N/A	✓	Construction Completed	BA	12 Months
9/20/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	561	5	✓	Construction Completed	BA	12 Months
11/24/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	2040	11.3	✓	Construction Completed	BA	12 Months
12/1/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	37,400	12	✓	Construction Completed	BA	12 Months
12/7/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	54,720	9.5	✓	Construction Completed	BA	12 Months
12/9/04	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	1,008,120	62	✓	Construction Completed	BA	12 Months
4/19/05	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	250	2	✓	Construction Completed	BA	12 Months
1/17/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Heavy rainfall in the area resulted in high flows in the collection system.	270	2	✓	Construction Completed	BA	12 Months
1/26/06	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		A KUB CIPP contractor turned off a bypass pump before unplugging the sewer main.	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 high flows in the sewer mains.	197712	6	✓	Construction Completed	BA	12 Months
1/26/10	4713	OLD BROADWAY	KUW	First Creek	7	MH 2		Rainfall in the area produced I & I and high flows in sewer mains.	3400	12		Future Construction Planned	BA	12 Months
3/22/2011	4719	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
4/16/2011	4719	OLD BROADWAY	KUW	First Creek	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	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
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	2885	TAZEWELL PIKE	KUW	First Creek	8	Unnamed MH		Construction Failure - Bypass Pump Failure	1,500	2		N/A	Repair Completed	N/A
2/28/2011	3218	AVONDALE AVENUE	KUW	First Creek	8	MH 22-33, Broken Lateral & BBU at 3218 & 3220 Avondale Avenue	BBU	Blockage - Grease, Influenced by heavy rainfall.	1,500	3		N/A	BA	12 Months
3/7/10	3403	VALLEY VIEW DRIVE	KUW	First Creek	8	MH 9-86		The sewer main was flushed to remove the blockage caused by debris.	1590	1.5		N/A	Repair Completed	N/A
1/6/09	3410	BORIGHT DRIVE	KUW	First Creek	8	MHs 42,43,44 & 45		Heavy rainfall in the area resulted in high flows in the collection system.	4,830	9.5	✓	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	✓	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	KUW	First Creek	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	KUW	First Creek	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	1		N/A	N/A	N/A
4/18/2011	5546	WILKERSON ROAD	KUW	Third Creek	9	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	50	1	✓	Future Construction Planned	N/A	N/A
4/28/2011	5546	WILKERSON ROAD	KUW	Third Creek	9	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	100	1	✓	Future Construction Planned	N/A	N/A
5/30/08	5700	MELSTONE DRIVE	KUW	Third Creek	9	3 Lateral Cleanouts		A contractor-owned sewer plug was removed from the sewer main.	150	1		N/A	Repair Completed	N/A
7/2/2011	5936	MONTINA ROAD	KUW	Third Creek	9	MH 17-212 & 17-210		Blockage - Debris	3,300	4		N/A	BA	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
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	10	Lateral Cleanout		The sewer main was flushed to remove the blockage caused by grease.	150	1		N/A	BA/Grease Control	3 Months
1/29/08	509	TREHAVEN DRIVE	KUW	Second Creek	10	MH 24-48		The sewer main was flushed to remove the blockage caused by roots and grease.	55	1		N/A	BA/Grease Control	6 Months
5/23/10	1312	CASSELL DRIVE	KUW	Second Creek	10	MH 14-101		The sewer main was flushed to remove the blockage caused by grease.	200	1	✓	Future Construction Planned	BA	6 Months
5/19/10	1401	CASSELL DRIVE	KUW	Second Creek	10	MH 14-103		The sewer main was flushed to remove the blockage caused by debris.	540	1.5	✓	Future Construction Planned	BA	6 Months
3/7/09	1527	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
1/12/2011	3922	NERVA ROAD	KUW	Second Creek	10	MH 17-78		Blockage - Grease	300	1		N/A	BA/Grease Control	6 Months
4/16/2011	4100	CENTRAL AVENUE PIKE	LC	Second Creek	10	MH 17-9		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, roots, grease and debris.	4,855	48 Intermittently		N/A	Repair Completed	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
5/12/10	4509	LONDON 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	KUW	Third Creek	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 broken pipe.	1,500	3		N/A	Repair Completed	N/A
1/25/10	2004	ED SHOUSE ROAD	KUW	Third Creek	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
2/13/09	4712	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
3/4/09	4712	MOSS DRIVE	KUW	Third Creek	13	MH 43 and Lateral Cleanout		The sewer main was flushed to remove the blockage caused by grease and roots.	250	0.5		N/A	BA/Grease Control	3 Months
3/12/10	4804	BAY STREET	KUW	Third Creek	13	MH 34-31		The sewer main was flushed to remove the blockage caused by debris.	230	1		N/A	BA	12 Months
4/28/2011	237	WEST SCOTT AVENUE	KUW	Second Creek	15	MH 9		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	15	Lateral Cleanout		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	15	MH 8		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	15	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	350	1	✓	Future Construction Planned	N/A	N/A
12/15/09	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Heavy rainfall in the area resulted in high flows in the sewer system.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
1/25/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	✓	Future Construction Planned	N/A	N/A
5/3/10	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		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	15	MH 8		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	15	MH 8		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	15	MH 8		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	15	MH 8		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	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
6/24/2011	1411	DAVANNA STREET	KUW	Second Creek	15	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	100	1	✓	Construction Completed	N/A	N/A
6/13/09	835	FARRAGUT AVENUE	KUW	First Creek	16	MH 24-45		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	KUW	First Creek	16	Lateral Cleanout and BBU		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 broken sewer main.	900	8 Intermittently		Future Construction Planned	BA/Grease Control	6 Months
11/5/08	1036	E. EMERALD AVENUE	KUW	First Creek	17	MH 4-71		The sewer main was flushed to remove the blockage caused by roots and debris.	120	1	✓	N/A	Repair Completed	N/A
11/9/08	1036	E. EMERALD AVENUE	KUW	First Creek	17	MH 4-71		The sewer main was flushed to remove the blockage caused by roots and debris.	120	1	✓	N/A	Repair Completed	N/A
12/11/04	2509	BROADWAY	KUW	First Creek	17	MH 4-71		The sewer main was flushed to remove the blockage caused by grease and roots.	5220	29		N/A	BA/Grease Control	6 Months
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 by heavy rainfall.	6209	6	✓	Future Construction Planned	BA	6 Months
1/8/07	302	SEVENTH AVENUE	KUW	First Creek	18	MH 15		The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall.	720	2		Future Construction Planned	B A	6 Months
2/6/04	304	SEVENTH AVE	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	6660	18.5	✓	Future Construction Planned	BA	12 Months
12/9/04	304	SEVENTH 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	KUW	First Creek	18	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	558	5	✓	Future Construction Planned	BA	6 Months
1/24/10	304	SEVENTH AVENUE	KUW	First Creek	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	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
4/28/2011	304	SEVENTH AVENUE	KUW	First Creek	18	MH 15		Rainfall in the area produced I & I and high flows in sewer mains.	5	1	✓	Future Construction Planned	N/A	N/A
6/25/2011	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
1/6/09	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the collection system.	4,575	9	✓	Future Construction Planned	BA/Grease Control	6 Months
12/9/09	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Heavy rainfall in the area resulted in high flows in the sewer system.	40	0.5	✓	Future Construction Planned	N/A	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
1/24/10	2536	CECIL AVENUE	KUW	First Creek	18	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	2536	CECIL AVENUE	KUW	First 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	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains.	17250	8	✓	Current 5-Yr Plan	BA	6 Months
2/28/2011	2536	CECIL AVENUE	KUW	First Creek	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
3/6/2011	2536	CECIL AVENUE	KUW	First Creek	18	MH 30-11		Rainfall in the area produced I & I and high flows in sewer mains.	1,500	3	✓	Construction Completed	N/A	N/A
3/9/2011	2536	CECIL AVENUE	KUW	First 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	2536	CECIL AVENUE	KUW	First 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	3319	FOUNTAIN PARK BOULEVARD	KUW	First Creek	18	MH 72		Blockage - Grease and Debris	325	4.5		N/A	BA/Grease Control	12 Months
4/7/2011	3526	BUFFAT MILL ROAD	LC	First Creek	18	MH 65-19 and BBU	BBU	Blockage - Roots	300	4		N/A	BA	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
1/7/2011	2526	EAST FIFTH AVENUE	KUW	Williams Creek	19	Lateral Cleanouts at 2522, 2524, 2526 & 2528 E. Fifth Avenue		Blockage - Grease	900	2		N/A	BA/Grease Control	12 Months
5/9/2011	2639	LOUISE AVENUE	KUW	Williams Creek	19	MH 5-1		Blockage - Grease and Debris	540,000	24		N/A	BA/Grease Control	12 Months
8/22/07	2701	WILSON AVENUE	KUW	Williams Creek	19	MH 8		The sewer main was flushed to remove the blockage caused by grease.	540	6		Construction Completed	B A / Grease Control	12 Months
1/8/2011	2726	WILSON AVENUE	KUW	Williams Creek	19	MH 8-1		Blockage - Grease	760	1.5		N/A	BA/Grease Control	12 Months
2/22/03	203	CHILHOWEE DR	LC	Loves Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	1800	3		Future Construction Planned	BA	12 Months
9/25/06	203	S. CHILHOWEE DRIVE	LC	Loves Creek	20	MH 25		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	2160	6		Future Construction Planned	BA	12 Months
5/28/08	203	S. CHILHOWEE DRIVE	LC	Loves Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	16	0.5		Future Construction Planned	N/A	N/A
1/6/09	203	SOUTH CHILHOWEE DRIVE	LC	Loves Creek	20	MH 25		Heavy rainfall in the area resulted in high flows in the collection system.	6,100	12	✓	Future Construction Planned	N/A	N/A
2/14/10	302	LINGBURTON AVENUE	LC	Loves Creek	20	Lateral Cleanout		There was a mechanical failure of the residential grinder pump.	5	5		N/A	Repair Completed	N/A
								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
2/4/08	516	NORTH BEAMAN STREET	LC	Loves Creek	20	MH 61-8		Blockage - Roots	10	0.25		Construction Underway	BA	6 Months
8/11/2011	516	NORTH BEAMAN STREET	LC	Loves Creek	20	MH 61-8		Blockage - Roots and Grease, Influenced by Heavy Rainfall	50	2		N/A	BA/Grease Control	6 Months
4/24/2011	3901	BONNIE VIEW AVENUE	LC	Loves Creek	20	MH 74-8		Heavy rainfall in the area resulted in high flows in the sewer system.	50	0.5		Future Construction Planned	N/A	N/A
10/15/09	4201	ASHEVILLE HIGHWAY	LC	Loves Creek	20	MH 34-23		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	4257	SKYLINE DRIVE	LC	Loves Creek	20	MH 47-15		The commercial grinder pump station was repaired.	8	1		N/A	Repair Complete	N/A
12/28/07	4315	RUTLEDGE PIKE	LC	Loves Creek	20	Grinder Pump Failure								
2/13/08	4315	RUTLEDGE PIKE	LC	Loves Creek	20	Wetwell		The electrical breaker on the commercial grinder pump station was turned back on.	100	Unknown		N/A	Repair Completed	N/A
11/1/10	5415	HOLSTON DRIVE	LC	Loves 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	5720	ASHEVILLE HIGHWAY	LC	Loves Creek	20	MH 11-3		Blockage - Roots	2,300	3		N/A	Repair Completed	N/A
8/12/09	5745	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
									190000	0.75		N/A	N/A	N/A
1/24/10	5760	SANDIS LANE	LC	Loves Creek	20	Influent Structure		There was a temporary electrical power failure at the WWTP during a high rainfall event.	72,000	6		Future Construction Planned	N/A	N/A
4/21/2011	4505	MIDDLEBROOK PIKE	KUW	Third Creek	21	MH 16-48 & 2 Unnamed Manholes		Rainfall in the area produced I & I and high flows in sewer mains.	180	1		N/A	Repair Completed	N/A
3/11/08	4623	WEBB LANE	KUW	Third Creek	21	Lateral Cleanout		The sewer lateral was flushed to remove the blockage caused by debris.	180	1		N/A	Repair Completed	N/A
6/26/09	4900	LANDBROOK DRIVE	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
7/30/08	5405	LANCE DRIVE	KUW	Third Creek	21	MH 10-85		The sewer main was flushed to remove the blockage caused by roots and debris.	4,900	24		N/A	BA	6 Months
11/23/2011	5405	LANCE DRIVE	KUW	Third Creek	21	MH 10-85		Blockage - Roots	300	3		N/A	BA	6 Months
3/10/10	955	KNOXVILLE COLLEGE DRIVE	KUW	Third Creek	22	MH 6-78		The sewer main was flushed to remove the blockage casused by vandalism.	1250	1		N/A	BA	12 Months
								The sewer main was manually-cleaned and flushed to remove the blockage caused by heavy debris.	6,800	4		N/A	BA	12 Months
1/7/08	1530	LOUISIANA AVENUE	KUW	Third Creek	22	Abandoned Lateral								
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
11/12/09	2126	TENNESSEE AVENUE	KUW	Third Creek	22	MH 16-13		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 heavy rainfall.	60	1.5		N/A	BA	6 Months
2/5/10	2621	BRAGG STREET	KUW	Third Creek	22	MH 21-123		Heavy rainfall in the area resulted in high flows in the collection system.	5100	5	✓	Future Construction Planned	BA	6 Months
10/27/06	2706	MYNDERS AVENUE	KUW	Third Creek	22	MH 18-3		The sewer main was flushed to remove the blockage caused by grease.	1,000	1		N/A	BA/Grease Control	3 Months
9/28/09	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Rainfall in the area produced I & I and high flows in sewer mains.	1000	1	✓	Future Construction Planned	BA	6 Months
2/2/10	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		Rainfall in the area produced I & I and high flows in sewer mains.	11500	8	✓	Future Construction Planned	BA	6 Months
2/5/10	2706	MYNDERSE AVENUE	KUW	Third Creek	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	BA	6 Months
8/16/10	2706	MYNDERSE AVENUE	KUW	Third Creek	22	MH 18-3		There was a collapsed portion of the sewer main.	100	1		N/A	Repair Completed	N/A
2/15/10	100	THIRTEENTH STREET	KUW	Second Creek	23	Broken Sewer		Blockage - Debris	200	1		N/A	BA/Grease Control	12 Months
8/15/2011	110	SIXTEENTH STREET	KUW	Second Creek	23	MH 21-177		The sewer main was flushed to remove the blockage caused by grease.	255	1		N/A	BA/Grease Control	6 Months
2/20/09	117	SIXTEENTH AVENUE	KUW	Second Creek	23	MH 21-33		System Failure - Broken Gravity Main	700	1.5		Construction Completed	N/A	N/A
1/26/2011	117	SIXTEENTH STREET	KUW	Second Creek	23	MH 21-33		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	411	WEST BAXTER AVENUE	KUW	Second Creek	23	MH 49		The sewer main was flushed to remove the blockage caused by grease and influenced by heavy rainfall.	360	2		N/A	BA	6 Months
5/3/10	601	ARTHUR STREET	KUW	Second Creek	23	MH 19-132		The sewer main was flushed to remove the blockage caused by grease.	unknown	unknown		Future Construction Planned	N/A	N/A
8/12/09	608	VAN STREET	KUW	Second Creek	23	MH 28-14, 28-1, & 28 and Subsurface		Blockage - Debris	300	2		Construction Completed	N/A	N/A
8/4/2011	701	WORLDS FAIR PARK DRIVE	KUW	Second Creek	23	MH 19-9		Blockage - Debris	5,550	1.5		N/A	BA/Grease Control	12 Months
6/7/2011	814	W FOURTH AVENUE	KUW	Second Creek	23	MH 19-189		The sewer main was flushed to remove the blockage caused by debris.	35	1		N/A	BA	6 Months
5/19/10	906	STEWART STREET	KUW	Second Creek	23	MH 35-56		The sewer main was flushed to remove the blockage caused by roots.	75	2		N/A	BA	6 Months
11/1/09	1110	CLINCH AVENUE	KUW	Second Creek	23	Undesignated MH		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	1104	MCCALLA AVENUE	KUW	First Creek	24	MH 11-1		The sewer main was flushed to remove the blockage caused by debris.	765	1.5		N/A	BA	12 Months
1/29/09	1701	EAST FIFTH AVENUE	KUW	First Creek	24	MH 29-2		The leaking pipe was repaired.	Unknown	Unknown		N/A	Repair Completed	N/A
3/28/08	1801	EAST FIFTH AVENUE	KUW	First Creek	24	Leaking Pipe		Rainfall in the area produced I & I and high flows in sewer mains.	2,700	5	✓	Future Construction Planned	N/A	N/A
9/5/2011	1903	JEFFERSON AVENUE	KUW	First Creek	24	MH 25-18, Lateral Cleanout, Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	180	3		Construction Completed	N/A	N/A
11/30/10	1908	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanout		Rainfall in the area produced I & I and high flows in sewer mains.	50	1	✓	Future Construction Planned	N/A	N/A
11/16/2011	1908	JEFFERSON AVENUE	KUW	First Creek	24	Lateral Cleanout		System Failure - Broken Gravity Main	7,800	2.5		Repair Completed	N/A	N/A
6/14/2011	2010	E FIFTH AVENUE	KUW	First Creek	24	Broken Gravity Main		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	2102	WASHINGTON AVENUE	KUW	First Creek	24	MH 25-114		The sewer main was flushed to remove the blockage caused by debris.	530	0.5		N/A	BA	6 Months
3/17/10	2217	MARTIN LUTHER KING JR DRIVE	KUW	First Creek	24	MH 6-152 & Privately Owned MH		Blockage - Grease	30	1		N/A	BA	6 Months
2/15/2011	2236	MARTIN LUTHER KING JR DRIVE	KUW	First Creek	24	MH 6-154		Blockage - Debris	500	1.5		N/A	BA	6 Months
2/16/2011	604	BEN HUR AVENUE	KUW	Williams Creek	25	Abandoned Lateral Cleanout		Blockage - Grease, Debris, Influenced by Heavy Rainfall	500	1		N/A	BA/Grease Control	3 Months
7/7/2011	800	GRAVES STREET	KUW	Williams Creek	25	MH 31		The sewer main was flushed to remove the blockage caused by roots and influenced by heavy rainfall.	1000	1		N/A	BA	6 Months
1/24/10	1109	BIDDLE STREET	KUW	Williams Creek	25	Lateral Cleanout & BBU	BBU	There was a leak in the sewer main.	5	3		N/A	Repair Completed	N/A
6/18/08	1721	IROQUOIS STREET	KUW	Williams Creek	25	Leaking Pipe		Rainfall in the area produced I & I and high flows in sewer mains.	720,000	4	✓	Future Construction Planned	N/A	N/A
2/28/2011	2008	RIVERSIDE DRIVE	KUW	Williams Creek	25	MH 2		The sewer main was flushed to remove the blockage caused by debris.	115	0.25		N/A	BA	6 Months
5/6/08	2052	DANDRIDGE AVENUE	KUW	Williams Creek	25	MH 4-103		The sewer main was flushed to remove the blockage caused by grease.	344	1		N/A	BA/Grease Control	12 Months
6/24/09	2052	DANDRIDGE AVENUE	KUW	Williams Creek	25	MH 4-103 and Lateral Cleanout		Blockage - Grease, Influenced by heavy rainfall.	5,400	12		N/A	BA/Grease Control	12 Months
9/7/2011	2111	MOHAWK AVENUE	KUW	Williams Creek	25	MH 4-2		Blockage - Grease	250	2		N/A	BA/Grease Control	12 Months
11/12/2011	1017	ANDES ROAD	LC	Loves Creek	26	MH 72-152		Blockage - Grease	30	1		N/A	BA/Grease Control	12 Months
2/24/2011	1204	PICKWICK ROAD	LC	Loves Creek	26	Lateral Cleanout		The sewer main was flushed to remove the blockage caused by roots.	260	1		N/A	BA	6 Months
11/5/09	3108	LANDVIEW DRIVE	LC	Loves Creek	26	MH 72-134		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	4014	HOLSTON HILLS ROAD	LC	Loves Creek	26	MHs 72 &75		Rainfall in the area produced I & I and high flows in sewer mains.	200	1	✓	Future Construction Planned	N/A	N/A
6/29/2011	4014	HOLSTON HILLS ROAD	LC	Loves Creek	26	MH 72		System Failure - Air Release Valve Failure	20	0.5	✓	N/A	Repair Completed	N/A
1/20/2011	5405	GREEN VALLEY DRIVE	LC	Loves Creek	26	Air Release Valve		System Failure - Air Release Valve Failure	150	1	✓	N/A	Repair Completed	N/A
3/9/2011	5405	GREEN VALLEY DRIVE	LC	Loves Creek	26	Air Release Valve		System Failure - Broken Force Main	2,025	1	✓	N/A	Repair Completed	N/A
3/2/2011	5508	GREEN VALLEY DRIVE	LC	Loves Creek	26	Broken Pipe								
5/3/10	5816	HOLSTON HILLS ROAD	LC	Loves Creek	26	MH 104-4/BBU	BBU	The SSO/BBU was caused by temporary electrical failure during high rainfall event.	940	1.5		N/A	Repair Completed / BA	12 Months

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
3/10/2011	600	NORTH GALLAHER VIEW ROAD	FC	Fourth Creek	27	MH 77		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	1105	PARK HILL CIRCLE	FC	Fourth Creek	27	MH 49-87		The sewer main was flushed to remove the blockage caused by grease.	145	2		N/A	BA/Grease Control	6 Months
2/18/08	1463	EAST WEISGARBER ROAD	FC	Fourth Creek	27	Leaking Pipe Joint		The sewer main joint was repaired.	10	5		N/A	Repair Completed	N/A
2/23/2011	1932	OLD AMHERST ROAD	FC	Fourth Creek	27	Lateral Cleanout		Blockage - Grease	3,000	4		Current 5 Year Plan	BA/Grease Control	12 Month
3/1/2011	1940	OLD AMHERST ROAD	FC	Fourth Creek	27	MH 22-117		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	5525	LONAS DRVIE	FC	Fourth Creek	27	MH 9-21		Blockage - Grease	40	1		N/A	BA/Grease Control	6 Months
9/30/08	5915	CASEY DRIVE	FC	Fourth Creek	27	MH 22-8		The sewer main was flushed to remove the blockage caused by grease and roots.	375	0.25		N/A	BA/Grease Control	6 Months
9/10/04	409	NORTH BELLEMEADE AVE	KUW	Third Creek	28	MH 3-53		The sewer main was flushed to remove the blockage caused by grease.	180	1	✓	Construction Completed	BA/Grease Control	1 Month
9/24/04	409	NORTH BELLEMEADE AVE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	75	1.25	✓	Construction Completed	BA	1 Month
10/19/04	409	NORTH BELLEMEADE AVE	KUW	Third Creek	28	Underground Flow		The sewer main was flushed to remove the blockage caused by grease.	2805	27	✓	Construction Completed	BA/Grease Control	1 Month
12/9/04	409	NORTH BELLEMEADE AVE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	2640	22	✓	Construction Completed	BA	1 Month
7/28/08	409	NORTH BELLEMEADE AVENUE	KUW	Third Creek	28	MH 3-53		Heavy rainfall in the area resulted in high flows in the collection system.	300	1		N/A	Repair Completed	N/A
3/24/2011	409	NORTH BELLEMEADE AVENUE	KUW	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
3/8/10	1904	SANDERSON ROAD	KUW	Third Creek	28	MH 16-27		The sewer main was flushed to remove the blockage caused by debris and the protruding lateral was trimmed.	50	1		N/A	Repair Completed/BA	6 Months
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	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
4/5/2011	4228	CROSBY DRIVE	KUW	Third Creek	28	MH 27-3		Blockage - Roots	75	1		N/A	BA	6 Months
10/25/10	4509	PAPERMILL DRIVE	KUW	Third Creek	28	MH 31		The sewer main was flushed to remove the blockage caused by debris.	500	0.5		N/A	BA	6 Months
7/13/10	4605	CROSBY DRIVE	KUW	Third Creek	28	Lateral Cleanout		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	2201	HIGHLAND AVENUE	KUW	Third Creek	29	MH 9-29		The sewer main was flushed to remove the blockage caused by debris.	100	1		N/A	BA	12 Months
6/28/10	2911	JERSEY AVENUE	KUW	Third Creek	29	MH 8-30		The sewer main was flushed to remove the blockage caused by roots.	3,200	24		Construction Underway	BA	3 Months
12/3/08	3413	KINGSTON PIKE	KUW	Third Creek	29	Broken Pipe		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 Sewer Main		Construction Failure - A Failed Connection at a Temporary System was Repaired.	25	1		N/A	Repair Completed	N/A
5/25/09	1800	MIDDLEBROOK PIKE	KUW	Third Creek	29	MH 38		The sewer main was flushed to remove the blockage caused by grease.	162	1		N/A	BA/Grease Control	3 Months
9/6/08	301	E CHURCH AVENUE	KUW	First Creek	30	MH 10-11		The sewer main was flushed to remove the blockage caused by debris.	1,438	8		N/A	BA	12 Months
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	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Rainfall in the area produced I & I and high flows in sewer mains.	2,000	1	✓	Future Construction Planned	N/A	N/A
7/7/2011	2004	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 1-1		Rainfall in the area produced I & I and high flows in sewer mains.	1,000	1	✓	Future Construction Planned	N/A	N/A
9/26/10	906	BATHURST ROAD	FC	Fourth Creek	32	MH 4-23		Their was a partial blockage in the sewer main caused by roots and influenced by heavy rainfall	5	1		Future Construction Planned	BA	12 Months
9/6/10	8083	KINGSTON PIKE	FC	Fourth Creek	32	MH 9-4		The sewer main was damaged during a gas main installation.	24000	48		N/A	Repair Completed	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
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	6024	BROOKVALE LANE	FC	Fourth Creek	33	MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	90	1		Construction Completed	N/A	N/A
3/10/10	6024	BROOKVALE LANE	FC	Fourth Creek	33	MH 15		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown		Current 5-Yr Plan	N/A	N/A
2/15/2011	6140	KIRBURY LANE	FC	Fourth Creek	33	MH 65-19		Blockage - Roots	10	1		N/A	BA	12 Month
12/3/10	100	LEBANON STREEET	KUW	Third Creek	34	Private Manhole		The SSO was caused by a broken manhole connection.	40	2		N/A	Repair Completed	N/A
4/14/2011	4418	KINGSTON PIKE	KUW	Third Creek	34	Lateral Cleanout		System Failure - Broken Gravity Main	10	2		N/A	Repair Completed	N/A
1/27/10	4611	KINGSTON PIKE	KUW	Third Creek	34	Broken Sewer Main		There was a collapsed portion of the sewer main.	1,000	1		N/A	Repair Completed	N/A
4/17/10	5011	KINGSTON PIKE	FC	Fourth Creek	34	MH 58		The sewer main was flushed to remove the blockage caused by debris and a protruding lateral was trimmed.	290	1.4		Future Construction Planned	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
4/16/09	5032	LYONS VIEW PIKE	KUW	Third Creek	34	Residential Grinder 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	KUW	Third 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	N/A
11/5/2011	846	HANSMORE PLACE	FC	Fourth Creek	36	MH 3-325		Blockage - Debris	100	3		N/A	BA	12 Months
10/6/08	1211	ROCKY HILL ROAD	FC	Fourth Creek	36	MH 55		The sewer main was flushed to remove the blockage caused by grease and roots.	217	1		N/A	BA/Grease Control	6 Months
4/3/03	1215	ROCKY HILL RD	FC	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	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
10/22/08	1224	MORRELL ROAD	FC	Fourth Creek	36	MH 56		The sewer main was flushed to remove the blockage caused by debris and pipe sags.	60	1.25		N/A	BA	6 Months
4/30/10	6712	DEANE HILL DRIVE	FC	Fourth Creek	36	MH 3-176		The sewer main was flushed to remove the blockage caused by a collapsed manhole and the manhole was repaired.	4320	1		N/A	Repair Completed	N/A
12/21/08	6902	S. NORTHSHORE DRIVE	FC	Fourth Creek	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	FC	Fourth Creek	36	Subsurface		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		System Failure - Broken Gravity Main	57,000	2		N/A	Repair Completed	N/A
10/16/09	7100	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 Underway	N/A	N/A
1/25/10	7100	ROTHERWOOD DRIVE	FC	Fourth Creek	36	MH 32, 33, 34 & 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	FC	Fourth Creek	36	MH 34		Rainfall in the area produced I & I and high flows in sewer mains.	51015	71	✓	Construction Completed	N/A	N/A
1/12/09	7105	DULANEY WAY	FC	Fourth Creek	36	MH 12-86		The sewer main was flushed to remove the blockage caused by roots.	1,780	3.5		N/A	BA	6 months
11/13/02	7112	SHADYLAND DR	FC	Fourth Creek	36	MH 36		The sewer main was flushed to remove the blockage caused by roots.	720	4	✓	Construction Underway	BA	12 Months
3/9/03	7112	SHADYLAND DR	FC	Fourth Creek	36	MH 36		The sewer main was flushed to remove the blockage caused by debris.	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 high flows in the sewer mains.	4320	8		Construction Underway	BA	6 Months
12/11/08	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		Heavy rainfall in the area resulted in high flows in the collection system.	62	1		Construction Underway	BA	6 Months
1/6/09	7112	SHADYLAND DRIVE	FC	Fourth Creek	36	MH 36		Heavy rainfall in the area resulted in high flows in the collection system.	17,300	24		Construction Underway	BA	6 Months
9/5/02	7712	SHADYLAND DR	FC	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 Structure		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		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. The reserve tanks were returned to service.	2000	0.58		N/A	Changes to SOP and Operator Training	N/A
9/22/04	1500	LYONS BEND RD (4TH CREEK)	FC	Fourth Creek	37	Influent Structure		WWTP/There was a mechanical failure of a hydraulic system that resulted in a temporary influent gate closure.	102,483	0.5	✓	N/A	Repair Completed	N/A
11/24/04	1500	LYONS BEND RD (4TH CREEK)	FC	Fourth Creek	37	Influent Structure		Heavy influent flows caused a momentary automated gate closure.	250	0.007	✓	N/A	Changes to SOP and Operator Training	N/A
12/9/04	1500	LYONS BEND RD (4TH CREEK)	FC	Fourth Creek	37	Influent Structure		Heavy rainfall in the area resulted in high flows in the collection system.	113,590	1.83	✓	N/A	N/A	N/A
12/9/04	1500	LYONS BEND RD (4TH CREEK)	FC	Fourth Creek	37	Tank Overflow		WWTP/The aeration splitter box overflowed due to excessive wet weather flows through the WWTP.	29,123	2.67		N/A	N/A	N/A
3/28/05	1500	LYONS BEND RD (4TH CREEK)	FC	Fourth Creek	37	Influent Structure		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 jeopardizing plant equipment or processes.	50,410	2	✓	N/A	N/A	N/A
6/7/07	1500	LYONS BEND ROAD	FC	Fourth Creek	37	Leaking Valve		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 Structure		There was an electrical failure at the plant. Electrical power was restored to the plant.	40,000	0.06	✓	N/A	Changes to SOP and Operator Training	N/A
12/9/09	1500	LYONS BEND ROAD	FC	Fourth Creek	37	Influent Structure		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	FC	Fourth Creek	37	Influent Structure & MLSS 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	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	1840000	11.5		Future Construction Planned	N/A	N/A
1/1/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1 & MLSS Wetwell		Rainfall in the area produced I & I and high flows in sewer mains.	380,000	2.82	✓	CCP	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	FC	Fourth Creek	37	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	160,000	2.38	✓	CCP	N/A	N/A
4/16/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	350,000	2.82	✓	CCP	N/A	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
4/28/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	680,000	5.82	✓	CCP	N/A	N/A
9/5/2011	1500	LYONS BEND ROAD	FC	Fourth Creek	37	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	1,240,000	17.35	✓	CCP	N/A	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	✓	CCP	N/A	N/A
8/27/10	1700	EVENING SHADE LANE	FC	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	1704	POLKWRIGHT LANE	FC	Fourth Creek	37	Grinder Pump		Grinder Pump Failure	5	0.25		N/A	Repair Completed	N/A
1/18/10	1712	POLKWRIGHT LANE	FC	Fourth Creek	37	Residential Grinder Pump		There was an electrical failure of the residential grinder pump.	5	1		N/A	Repair Completed	N/A
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	1716	POLKWRIGHT LANE	FC	Fourth Creek	37	Residential Grinder Pump		Grinder Pump Failure	5	1		N/A	Repair Completed	N/A
3/2/08	1720	POLKWRIGHT LANE	FC	Fourth Creek	37	Wetwell		The mechanical failure of the residential grinder pump was repaired.	1	0.08		N/A	Repair Completed	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
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	5011	KINGSTON PIKE	FC	Fourth Creek	37	MH 58		Rainfall in the area produced I & I and high flows in sewer mains.	600	3	✓	Construction Completed	N/A	N/A
4/16/2011	6410	S NORTHSHORE DRIVE	FC	Fourth Creek	37	MH 8		Rainfall in the area produced I & I and high flows in sewer mains.	19,000	5	✓	Future Construction Planned	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
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	✓	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	FC	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
3/17/2011	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 flow into the WWTP resulted in an inadvertent overflow.	134,000	0.13	✓	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
2/16/03		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.	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
5/15/03		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.	1,500,000	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
12/11/03		FOURTH CREEK WWTP	FC	Fourth Creek	37	Influent Structure		An electronic failure resulted in the shutdown of the influent pumps and the subsequent closure of the influent gate.	48,650	0.33	✓	N/A	Repair Completed	N/A
1/28/08	501	NOELTON DRIVE	KUW	Third Creek	38	MH 50-7		The sewer main was flushed to remove the blockage caused by grease and debris.	180	1		N/A	Repair Completed	N/A
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
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
5/10/09	3560	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
5/2/2011	3604	HILLVALE CIRCLE	KUW	Third Creek	38	MH 1-115		Rainfall in the area produced I & I and high flows in sewer mains.	100	6		Future Construction Planned	N/A	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	Third Creek	38	Broken Pipe		Blockage - Debris, Influenced by Heavy Rainfall	13,000	2		N/A	BA	12 Months
2/28/2011	113	DRINNEN AVENUE	KUW	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	123	INGERSOLL AVENUE	KUW	South Knoxville	39	Lateral Cleanout		Blockage - Debris	12	1		N/A	BA	6 Months
2/6/08	200	AVENUE C	KUW	South Knoxville	39	MH 40-27 & BBU		The sewer main was flushed to remove the blockage caused by grease.	480	2		N/A	BA/Grease Control	6 Months
7/7/05	428	MARYVILLE PIKE	KUW	South Knoxville	39	MHs 29-2 & 30		Heavy rainfall in the area resulted in high flows in the collection system.	12,240	2	✓	Construction Completed	BA	12 Months
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
5/20/05	436	MARYVILLE PIKE	KUW	South Knoxville	39	MH 29-2		Heavy rainfall in the area resulted in high flows in the collection system.	480	2	✓	Construction Completed	BA	12 Months
1/17/06	436	MARYVILLE PIKE	KUW	South Knoxville	39	MH 29-2		Heavy rainfall in the area resulted in high flows in the collection system.	3600	4.75	✓	Construction Completed	BA	12 Months
4/8/06	436	MARYVILLE PIKE	KUW	South Knoxville	39	MH 29-2		Heavy rainfall in the area resulted in high flows in the collection system.	360	1	✓	Construction Completed	BA	12 Months
4/22/06	436	MARYVILLE PIKE	KUW	South Knoxville	39	MHs 29-2 & 30		Heavy rainfall in the area resulted in high flows in the collection system.	28600	6	✓	Construction Completed	BA	12 Months
9/23/06	436	MARYVILLE PIKE	KUW	South Knoxville	39	MHS 29-2 & 30		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	71904	16	✓	Construction Completed	BA	12 Months
2/6/04	438	MARYVILLE PIKE	KUW	South Knoxville	39	MH 30		Heavy rainfall in the area resulted in high flows in the collection system.	60,000	22.5	✓	Construction Completed	BA	12 Months
3/6/04	438	MARYVILLE PIKE	KUW	South Knoxville	39	MH 30		Heavy rainfall in the area resulted in high flows in the collection system.	1920	4	✓	Construction Completed	BA	12 Months
6/25/04	438	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	✓	Construction Completed	BA	12 Months
11/24/04	438	MARYVILLE PIKE	KUW	South Knoxville	39	MH 30 & 29-2		Heavy rainfall in the area resulted in high flows in the collection system.	7200	6	✓	Construction Completed	BA	12 Months
12/7/04	438	MARYVILLE PIKE	KUW	South Knoxville	39	MH 30		Heavy rainfall in the area resulted in high flows in the collection system.	65	2	✓	Construction Completed	BA	12 Months
12/9/04	438	MARYVILLE PIKE	KUW	South Knoxville	39	MH 29-2 & 30		Heavy rainfall in the area resulted in high flows in the collection system.	636,990	24	✓	Construction Completed	BA	12 Months
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	KUW	South Knoxville	39	MH 30		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.	225	4	✓	Construction Completed	BA	12 Months
9/8/08	438	MARYVILLE PIKE	KUW	South Knoxville	39	MHs 27-1, 27-2 & Leaking Pipe		The event was related to a partial failure of the pump-around process during a sewer replacement project.	1,570	12		Construction Completed	Repair Completed	N/A
10/22/08	438	MARYVILLE PIKE	KUW	South Knoxville	39	MH 27-2		The bypass pump was damaged and parts were removed overnight due to vandalism.	100,000	8		Construction Completed	Repair Completed	N/A
2/16/2011	512	FLENNWOOD WAY	KUW	South Knoxville	39	MH 61		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	KUW	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	850	TALLEY 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	BA	6 Months
2/17/2011	850	TALLY HO DRIVE	KUW	South Knoxville	39	MH 62-21		Blockage - Grease and Roots	150	1		N/A	BA/Grease Control	9 Months
1/6/09	1233	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	✓	Future Construction Planned	N/A	N/A
5/15/09	1233	MARYVILLE PIKE	KUW	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
7/5/10	3808	WEST BLOUNT AVENUE	KUW	South Knoxville	39	Broken Sewer Lateral		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	3821	W BLOUNT AVE	KUW	South Knoxville	39	MH 29-2 & 30		Heavy rainfall in the area resulted in high flows in the collection system.	1200	5	✓	Construction Completed	BA	12 Months
7/14/03	3821	W BLOUNT AVE	KUW	South Knoxville	39	MH 29-2		Heavy rainfall in the area resulted in high flows in the collection system.	60	1	✓	Construction Completed	BA	12 Months
4/21/06	4411	CYPRESS LANE	KUW	South Knoxville	39	MH 62-21		The sewer main was flushed to remove the blockage caused by roots and debris.	225	3		N/A	BA	3 Months
3/8/03	4411	CYPRESS LN	KUW	South Knoxville	39	MH 62-21		The sewer main was flushed to remove the blockage caused by roots.	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	KUW	South Knoxville	40	Lateral Cleanout		Blockage - Grease, Influenced by heavy rainfall.	5,000	2		N/A	BA/Grease Control	6 Months
1/24/2011	500	MIMOSA AVENUE	KUW	South Knoxville	40	MH 1-85		System Failure - Manhole Failure	10,000	5		N/A	Repair Completed	N/A
4/13/01	614	SEVIER AVE	KUW	South Knoxville	40	MH 1-43		The sewer main was flushed to remove the blockage caused by debris.	1200	1	✓	Construction Completed	BA/Grease Control	3 Months
11/10/03	614	SEVIER AVE	KUW	South Knoxville	40	MH 1-43		The sewer main was flushed to remove the blockage caused by grease.	240	0.5	✓	Construction Completed	BA/Grease Control	3 Months
3/19/02	615	SEVIER AVE	KUW	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	KUW	South Knoxville	40	MH 1-43		The sewer main was flushed to remove the blockage caused by debris.	300	3	✓	Construction Completed	BA/Grease Control	3 Months
12/10/08	615	SEVIER AVENUE	KUW	South Knoxville	40	MH 1-43 & BBU		The sewer main was flushed to remove the blockage caused by debris during heavy rainfall.	615	3		Construction Completed	BA/Grease Control	3 Months
6/15/09	900	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
2/28/2011	1127	EAST MOODY AVENUE	KUW	South Knoxville	40	MH 40-3		Rainfall in the area produced I & I and high flows in sewer mains.	600	2		Future Construction Planned	N/A	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
6/17/04	1210	E MOODY AVE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	4675	4	✓	Future Construction Planned	N/A	N/A
6/25/04	1210	E MOODY AVE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1080	2	✓	Future Construction Planned	N/A	N/A
7/27/04	1210	E MOODY AVE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1440	4	✓	Future Construction Planned	N/A	N/A
12/9/04	1210	E MOODY AVE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	85,170	41.75	✓	Future Construction Planned	N/A	N/A
7/13/09	1210	E MOODY AVENUE	KUW	South Knoxville	40	MH 39		Rainfall in the area produced I & I and high flows in sewer mains.	254	1	✓	Future Construction Planned	N/A	N/A
9/23/06	1210	E. MOODY AVENUE	KUW	South Knoxville	40	MH 39		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	8640	6	✓	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
12/10/08	1210	E. MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	1,100	4		Future Construction Planned	N/A	N/A
5/8/09	1210	E. MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	540	1.5	✓	Future Construction Planned	N/A	N/A
6/17/09	1210	E. MOODY AVENUE	KUW	South Knoxville	40	MH 39		Heavy rainfall in the area resulted in high flows in the collection system.	51,771	3	✓	Future Construction Planned	N/A	N/A
7/28/09	1210	E. MOODY AVENUE	KUW	South Knoxville	40	MH 39		Rainfall in the area produced I & I and high flows in sewer mains.	180	1	✓	Future Construction Planned	N/A	N/A
7/31/09	1210	E. MOODY AVENUE	KUW	South Knoxville	40	MH 40		Rainfall in the area produced I & I and high flows in sewer mains.	40	0.5	✓	Future Construction Planned	N/A	N/A
9/26/09	1210	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	✓	Future Construction Planned	N/A	N/A
1/6/09	1210	EAST 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
1/25/10	1210	MOODY AVENUE	KUW	South Knoxville	40	MH 39		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	✓	40A2 Trunkline Phase 1 completed 2/11	NA	NA
5/3/10	1210	MOODY AVENUE	KUW	South Knoxville	40	MH 39		Rainfall in the area produced I & I and high flows in sewer mains.	750	5	✓	40A2 Trunkline Phase 1 completed 2/11	NA	NA
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
9/23/06	3741	EAKERS ROAD	KUW	South Knoxville	40	MHS 47 & 47-103		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	10560	8		Future Construction Planned	N/A	N/A
4/4/05	3741	EAKERS ST	KUW	South Knoxville	40	MH 47-1		Heavy rainfall in the area resulted in high flows in the collection system.	1,200	4	✓	Future Construction Planned	N/A	N/A
5/24/05	3741	EAKERS ST	KUW	South Knoxville	40	MH 47		Heavy rainfall in the area resulted in high flows in the collection system.	60	1	✓	Future Construction Planned	N/A	N/A
8/6/09	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Rainfall in the area produced I & I and high flows in sewer mains.	224	0.5	✓	Future Construction Planned	N/A	N/A
9/26/09	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47 & 47-103		Rainfall in the area produced I & I and high flows in sewer mains.	1,900	3	✓	Future Construction Planned	N/A	N/A
1/25/10	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	✓	40A2 Trunkline Phase 2 to be built late 2011	NA	NA
5/3/10	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Rainfall in the area produced I & I and high flows in sewer mains.	450	2.5	✓	40A2 Trunkline Phase 2 to be built late 2011	NA	NA
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	3		40A2 Trunkline Phase 2 to be built late 2011	NA	NA
3/1/2011	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47		Rainfall in the area produced I & I and high flows in sewer mains.	67,500	3	✓	Future Construction Planned	N/A	N/A
4/16/2011	3741	EAKERS STREET	KUW	South Knoxville	40	MH 47 & 47-103		Rainfall in the area produced I & I and high flows in sewer mains.	1,900	1	✓	Future Construction Planned	N/A	N/A
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	✓	Future Construction Planned	N/A	N/A
1/22/08	624	SOUTHBROOK DRIVE	KUW	Knob Creek	41	Lateral Cleanout		Evidence indicates that the SSO occurred during the air test of a new main by a rehabilitation contractor.	249	1		N/A	Repair Completed	N/A
7/13/2011	719	E LAKE FOREST DRIVE	KUW	Knob Creek	41	Lateral Cleanout and BBU	BBU	Construction Failure - Bypass Pump Failure	225	0.083		N/A	Repair Completed	N/A
4/15/09	811	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
9/24/07	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Cut Force Main		A contractor cut the pump station force main.	4,500	1.5		Future Construction Planned	Repair Complete	N/A
6/17/2011	961	E FORD VALLEY ROAD	KUW	Knob Creek	41	Pump Station		Pump Station - Electrical Failure	200	0.16		Future Construction Planned	N/A	N/A
9/23/06	961	E. FORD VALLEY ROAD	KUW	Knob Creek	41	Pump Station Wetwell		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	9000	5		Future Construction Planned	N/A	N/A
8/24/09	961	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	✓	Future Construction Planned	N/A	N/A
9/23/09	961	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.	14,400	8	✓	Future Construction Planned	N/A	N/A
9/26/09	961	E. FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Rainfall in the area produced I & I and high flows in sewer mains.	6,000	2	✓	Future Construction Planned	N/A	N/A
9/27/09	961	E. FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		There was heavy debris at the pump station and influenced by high rainfall.	1,800	1	✓	Future Construction Planned	N/A	N/A
1/6/09	961	EAST FORD VALLEY ROAD	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	60,000	10	✓	Future Construction Planned	N/A	N/A
12/12/09	5227	MCNUTT ROAD	KUW	Knob Creek	41	MH 96		The sewer main was flushed to remove the blockage caused by an unknown object.	1,061	1		Future Construction Planned	BA	6 Months
7/20/08	5900	NEUBERT SPRINGS ROAD	KUW	Knob Creek	41	Lateral Cleanout		Debris from a rehabilitation contractor caused a partial blockage. The sewer main was cleared and cleaned.	360	1		N/A	Repair Completed	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
9/12/10	5915	NEUBERT SPRINGS ROAD	KUW	South Knoxville	41	Unnamed MH at Facility		The SSO was caused by temporary electrical power failure during high rainfall event.	294000	3.5		NA	Electricity was restored to station	NA
1/7/2011	5915	NEUBERT SPRINGS ROAD	KUW	Knob Creek	41	Unnamed Manhole at Facility		Rainfall in the area produced I & I and high flows in sewer mains.	224,000	4.4		Future Construction Planned	N/A	N/A
11/8/09	6116	SEVIERVILLE PIKE	KUW	South Knoxville	41	MH 107-2		The sewer main was flushed to remove the blockage caused by grease.	510	1		N/A	BA/Grease Control	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	blockage abatement	6 Months
2/16/03		FORD VALLEY LIFT STATION	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	180	2	✓	Future Construction Planned	N/A	N/A
3/13/03		FORD VALLEY LIFT STATION	KUW	Knob Creek	41	Wetwell		The wastewater pump station overflowed due to an electrical failure at the station.	600	0.5	✓	Future Construction Planned	N/A	N/A
3/20/03		FORD VALLEY LIFT STATION	KUW	Knob Creek	41	Wetwell		The wastewater pump station overflowed due to a mechanical failure at the station.	600	0.34	✓	Future Construction Planned	N/A	N/A
3/30/03		FORD VALLEY LIFT STATION	KUW	Knob Creek	41	Wetwell		The wastewater pump station overflowed due to a mechanical failure at the station.	9000	3	✓	Future Construction Planned	N/A	N/A
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	0.5	✓	Future Construction Planned	N/A	N/A
5/7/03		FORD VALLEY LIFT STATION	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	2100	2	✓	Future Construction Planned	N/A	N/A
12/30/03		FORD VALLEY LIFT STATION	KUW	Knob Creek	41	Wetwell		A high surge flow following the clearing of a blockage slightly overflowed the pump station wetwell.	30	0.17	✓	Future Construction Planned	N/A	N/A
2/6/04		FORD VALLEY LIFT STATION	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	54,000	9	✓	Future Construction Planned	N/A	N/A
3/6/04		FORD VALLEY LIFT STATION	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	3000	1	✓	Future Construction Planned	N/A	N/A
6/25/04		FORD VALLEY LIFT STATION	KUW	Knob Creek	41	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	11,520	4	✓	Future Construction Planned	N/A	N/A
1/8/08	7912	LIVINGSTON DRIVE	FC	Fourth Creek	42	MH 28-1		The sewer main was flushed to remove the blockage caused by roots and debris.	120	1		N/A	BA	6 Months
2/4/09	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Leaking ARV		There was a leak from air-release valve on a high-pressure force main.	225	1	✓	Future Construction Planned	N/A	N/A
7/22/09	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Air Release Valve		There was a leaking air release valve that resulted in a SSO.	37	1	✓	Future Construction Planned	N/A	N/A
2/12/10	8560	WESTLAND DRIVE	FC	Fourth Creek	42	Air Release Valve		The air release valve malfunctioned resulting in an SSO.	4130	1.5		N/A	Repair Completed	N/A
10/3/2011	1915	LYONS BEND ROAD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder Pump Failure	6	0.5		N/A	Repair Completed	N/A
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
7/23/09	5212	BENT RIVER BOULEVARD	FC	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
3/19/10	5218	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	22	3		N/A	Repair Completed	N/A
3/24/08	5219	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Wetwell & BBU		The mechanical failure of the residential grinder pump was repaired.	15	1		N/A	Repair Completed	N/A
1/25/2011	5235	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Broken Pipe		System Failure - Broken Force Main	10	1		N/A	Repair Completed	N/A
4/3/10	5236	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	10	3		N/A	Repair Completed	N/A
9/13/03	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		The residential grinder pump station was repaired and returned to service.	Unknown	Unknown		N/A	Repair Completed	N/A
3/10/05	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		The residential grinder pump station failed and was replaced.	20	5		N/A	Repair Completed	N/A
7/4/08	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	1	4		N/A	Repair Completed	N/A
7/23/2011	5241	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder Pump Failure	5	1		N/A	Repair Completed	N/A
9/9/03	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	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
11/30/04	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump		There was a mechanical failure in the residential grinder pump.	5	2		N/A	Repair Completed	N/A
6/12/08	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	N/A
8/4/08	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was an electrical failure of the residential grinder pump.	29	2.33		Construction Completed	Repair Completed	N/A
4/10/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was an electrical failure of the residential grinder pump.	5	3	✓	N/A	Repair Completed	N/A
5/6/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	10	3	✓	N/A	Repair Completed	N/A
6/18/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	11	3	✓	N/A	Repair Completed	N/A
12/1/10	5246	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder pump failure.	2	1	✓	N/A	Repair Completed	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	N/A
8/24/2011	5247	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder Pump Failure	5	1		N/A	Repair Completed	N/A
8/30/10	5307	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	15	1	✓	N/A	Repair Completed	N/A
11/17/10	5307	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder pump failure.	10	2.5	✓	N/A	Repair Completed	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	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
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	43	Wetwell		The electrical breaker on the residential grinder pump station was turned back on.	50	4		N/A	Repair Completed	N/A
9/30/08	5323	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of an improperly-installed residential grinder pump.	150	4		N/A	Repair Completed	N/A
12/13/10	5332	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		Grinder pump failure.	30	4		N/A	Repair Completed	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	43	Grinder Pump		Grinder Pump Failure	5	1		N/A	Repair Completed	N/A
7/25/10	5363	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	200	4		N/A	Repair Completed	N/A
9/28/08	5371	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump		There was an electrical failure of the residential grinder pump.	120	4		N/A	Repair Completed	N/A
5/3/02	2600	WOODSON DR	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	900	1	✓	Construction Completed	N/A	N/A
4/10/03	2600	WOODSON DR	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	510	4.25	✓	Construction Completed	N/A	N/A
5/5/03	2600	WOODSON DR	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
8/4/06	2600	WOODSON DRIVE	KUW	South Knoxville	44	MH 2-1		The electronic failures at the Woodson Drive Pump Station were repaired.	500	1		N/A	Repair Completed	N/A
2/18/09	2600	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		Future Construction Planned	N/A	N/A
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	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	3000	10	✓	Construction Completed	N/A	N/A
2/14/03		WOODSON DR & DEANBROOK RD	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	16,500	22	✓	Construction Completed	N/A	N/A
2/22/03		WOODSON DR & DEANBROOK RD	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	10,500	70	✓	Construction Completed	N/A	N/A
5/11/03		WOODSON DR & DEANBROOK RD	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	300	1.5	✓	Construction Completed	N/A	N/A
5/31/04		WOODSON DRIVE LIFT STATION	KUW	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		Future Construction Planned	N/A	N/A
9/21/02		WOODSON LIFTSTATION	KUW	South Knoxville	44	MH 2-1		Heavy rainfall in the area resulted in high flows in the collection system.	28,800	12	✓	Construction Completed	N/A	N/A
8/3/10	2636	MARYVILLE PIKE	KUW	South Knoxville	45	MH 10-2		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	45	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	20	4		NA	Pump was repaired	NA
4/4/2011	2641	MARYVILLE PIKE	FC	Knob Creek	45	Residential Grinder Pump		Grinder Pump Failure	10	1		N/A	Repair Completed	N/A
3/12/06	2907	GINNBROOKE LANE	KUW	Knob Creek	47	Pump Station Wetwell		There was a total loss of electrical service to the station due to squirrels.	180	1	✓	Construction Completed	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 high flows in the sewer mains.	2250	0.75	✓	Construction Completed	N/A	N/A
5/9/08	2907	GINNBROOKE LANE	KUW	Knob Creek	47	Wetwell		Electrical power was restored after an outage caused by a strong storm.	1,000	0.33		Construction Completed	N/A	N/A
3/6/04		GINNBROOK LIFT STATION	KUW	Knob Creek	47	Wetwell		Pumpstation failure-Electronic/The electronic controls that actuate the pumps malfunctioned.	2250	0.75		Future Construction Planned	Repair Completed	N/A
5/22/01		GINNBROOKE LIFT STATION	KUW	Knob Creek	47	MH 22		Heavy rainfall in the area resulted in high flows in the collection system.	12,000	2	✓	Construction Completed	N/A	N/A
6/25/01		GINNBROOKE LIFT STATION	KUW	Knob Creek	47	MH 22		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		GINNBROOKE LIFT STATION	KUW	Knob Creek	47	MH 22		Heavy rainfall in the area resulted in high flows in the collection system.	1500	0.33	✓	Construction Completed	N/A	N/A
7/29/01		GINNBROOKE LIFT STATION	KUW	Knob Creek	47	MH 22		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	8	✓	Construction Completed	N/A	N/A
9/21/02		GINNBROOKE LIFT STATION	KUW	Knob Creek	47	MH 22		Heavy rainfall in the area resulted in high flows in the collection system.	36,000	12	✓	Construction Completed	N/A	N/A
11/11/02		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 event.	2700	3	✓	Construction Completed	Repair Completed	N/A
4/4/06	5105	BALL ROAD	FC	Fourth Creek	49	Ruptured Force Main		The force main was repaired.	442400	252		N/A	Repair Completed	N/A
4/17/10	5105	BALL ROAD	KUW	Third Creek	49	Broken Force Main		The SSO was the result of a broken force main.	72675	2		N/A	Repair Completed	N/A
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	50	Air Release Valve		The air release valve malfunctioned resulting in an SSO.	190	2		N/A	Repair Completed	N/A
7/22/08	6410	S. RUGGLES FERRY PIKE	LC	Loves Creek	62	MH 3		Power failure at the pump station caused by storm damage to the power lines.	300	1		N/A	Repair Completed	N/A
3/2/2011	781	BAGWELL LANE	LC	Loves Creek	63	Wastewater Pumpin Facility		Rainfall in the area produced I & I and high flows in sewer mains.	576,000	12		Future Construction Planned	N/A	N/A
3/2/2011	3011	EAST GOV JOHN SEVIER HIGHWAY	KUW	Riverdale	65	Wastewater Pumpin Facility		Rainfall in the area produced I & I and high flows in sewer mains.	21,600	3		Construction Completed	N/A	N/A
8/6/08	1019	OGLESBY ROAD	LC	Loves Creek	66	Leaking Force Main		The contractor was removing a temporary force main and allowed leakage to occur.	38	2		N/A	Repair Completed	N/A
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
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
12/29/07	1338	OGLESBY ROAD	LC	Loves Creek	66	Leaking Force Main		There was a leak on a 8" force main.	32,400	3	✓	Construction Completed	N/A	N/A
2/5/08	1338	OGLESBY ROAD	LC	Loves Creek	66	Leaking Force Main		The force main was repaired.	560	2		N/A	Repair Completed	N/A
2/17/08	206	CREEK STONE LANE	EB	Eastbridge	72	Service Connection		The service connection on the low-pressure force main was repaired.	180	6		N/A	Repair Completed	N/A
4/9/10	8630	ASHEVILLE HIGHWAY	EB	Eastbridge	72	Private Property/BBU	BBU	The sewer main was flushed to remove the blockage caused by debris.	950	15		N/A	BA	12 Months
6/10/05	7620	BUD HAWKINS RD	EB	NEKUD	101	Wetwell		Equipment damaged by lightning strike was repaired and the station was returned to service.	2,880	1		N/A	Repair Completed	N/A
7/12/02		BUD HAWKINS LIFT STATION	EB	NEKUD	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		BUD HAWKINS LIFT STATION	EB	NEKUD	101	Wetwell		The wastewater pump station overflowed due to an electrical failure at the station.	100	0.17		N/A	Repair Completed	N/A
3/26/09	1925	ROSEWOOD ROAD	LC	Loves Creek	105	Commercial Grinder Pump and BBU		There was a mechanical failure of the commercial grinder pump.	5	1.5		N/A	Repair Completed	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	Repair Completed	N/A
6/6/09	2501	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
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	105	Grinder Pump and BBU	BBU	Grinder Pump Failure	20	1		N/A	Repair Completed	N/A
2/28/2011	4800	MALONEYVILLE ROAD	EB	Eastbridge	109	Bar Screen		Rainfall in the area produced I & I and high flows in sewer mains.	3,750	1.25		Future Construction Planned	BA	3 months
10/31/05	5001	MALONEYVILLE RD	EB	NEKUD	109	MH 93-10		The sewer main was flushed to remove the blockage caused by debris.	6,101	1.5	✓	Future Construction Planned	BA	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	✓	Construction Completed	BA	1 Month
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	✓	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.	1,440	2	✓	Construction Completed	N/A	N/A
3/2/09	5101	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
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	Repair Completed	N/A
6/7/06	8530	CROSSWIND LANDING LANE	EB	Eastbridge	110	Wetwell		There was a failure of the electronic level controls.	150	0.5		N/A	Repair Completed	N/A
7/28/10	8530	CROSSWIND LANDING LANE	EB	Northeast Knox	110	Wet Well		The SSO was caused by a vacuum pump malfunction within the pump station.	3000	5		N/A	Repair Completed	N/A
6/10/10	6310	ROBERTS ROAD	EB	Eastbridge	111	Broken Force Main		The SSO was the result of a broken force main.	150	1		N/A	Repair Completed	N/A
11/27/08	8111	WASHINGTON PIKE	EB	Eastbridge	111	Leaking LP Lateral		There was a leak on the low-pressure service lateral.	90	5		N/A	Repair Completed	N/A
3/26/08	3706	ROBERTS ROAD	EB	Eastbridge	113	Leaking Force Main		The force main was repaired.	810	2		N/A	Repair Completed	N/A
11/22/08	3706	ROBERTS ROAD	EB	Eastbridge	113	Leaking LP Lateral		An exposed section of service lateral burst upon freezing and was repaired.	7	0.017		N/A	Repair Completed	N/A
4/14/08	3913	ROBERTS ROAD	EB	Eastbridge	113	Leaking Force Main		The force main was repaired.	783	0.05		N/A	Repair Completed	N/A
1/27/2011	3914	ROBERTS ROAD	EB	Eastbridge	113	Abandoned Air Release Valve		Construction Failure - Unconnected Lateral	375	2		N/A	Repair Completed	N/A
6/16/08	4107	ROBERTS ROAD	EB	Eastbridge	113	Residential Grinder Pump		There was a mechanical failure of the residential grinder pump.	6	1		N/A	Repair Completed	N/A
6/12/09	4300	ROBERTS ROAD	EB	Eastbridge	113	Residential Grinder Pump		There was an electrical failure of the commercial grinder pump.	30	1		N/A	Repair Completed	N/A
6/11/2011	4304	ROBERTS ROAD	EB	Eastbridge	113	Grinder Pump		Grinder Pump Failure	6	1	✓	N/A	Repair Completed	N/A
10/1/2011	4304	ROBERTS ROAD	LC	Eastbridge	113	Residential Grinder Pump		Grinder Pump Failure	6	0.5	✓	N/A	Repair Completed	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
8/14/08	5309	ROBERTS ROAD	EB	Eastbridge	113	Leaking Force Main		There was a dig-in on the force main during the installation of an electrical power pole.	5,030	2		N/A	Repair Completed	N/A
6/26/06	7612	BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	600	1		Construction Completed	N/A	N/A
1/6/09	7661	BUD HAWKINS ROAD	EB	Eastbridge	113	Wetwell		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	8		Construction Completed	N/A	N/A
1/22/09	9027	MASCOT ROAD	EB	Eastbridge	114	Leaking ARV		There was a leak from air-release valve on a high-pressure force main.	75	1		N/A	Repair Completed	N/A
12/3/08	1708	NUMBER TWO DRIVE	EB	Eastbridge	115	Leaking ARV		There was a leak from a air release valve on a force main.	423	4		N/A	Repair Completed	N/A
2/10/05	5001	MALONEYVILLE RD	EB	NEKUD	101	MH 93-10		The sewer main was flushed to remove the blockage caused by debris.	1410	4	✓	Future Construction Planned	BA	6 Months
2/6/04	600	N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	6050	23.5	✓	Construction Completed	N/A	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
3/6/04	600	N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1680	3.5	✓	Construction Completed	N/A	N/A
6/27/04	600	N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	240	4	✓	Construction Completed	N/A	N/A
9/17/04	600	N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	31,680	22	✓	Construction Completed	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	600	N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	20,160	14	✓	Construction Completed	N/A	N/A
12/7/04	600	N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	390,240	24	✓	Construction Completed	N/A	N/A
12/9/04	600	N GALLAHER VIEW 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	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	260000	20	✓	Construction Completed	N/A	N/A
4/2/05	600	N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	7,200	20	✓	Construction Completed	N/A	N/A
4/13/05	600	N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	247,680	43	✓	Construction Completed	N/A	N/A
5/20/05	600	N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	5,610	2.75	✓	Construction Completed	N/A	N/A
7/19/05	600	N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1,037	3	✓	Construction Completed	N/A	N/A
4/8/06	600	N. GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	38148	17	✓	Construction Completed	N/A	N/A
4/24/06	600	N. GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	14890	6	✓	Construction Completed	N/A	N/A
9/24/06	600	N. GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	3310000	5	✓	Construction Completed	N/A	N/A
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	600	NORTH 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
4/28/2011	600	NORTH GALLAHER VIEW ROAD	FC	Fourth Creek	32A	MH 77		Rainfall in the area produced I & I and high flows in sewer mains.	36,000	3	✓	Future Construction Planned	N/A	N/A
1/25/10	608	WALKER SPRINGS ROAD	FC	Fourth Creek	32A	MH 77		Rainfall in the area produced I & I and high flows in sewer mains.	95580	9		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	32A	MHs 30-50 & 30-52		Blockage - Grease	670	2.5		N/A	BA/Grease Control	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
7/23/09	2636	CHUKAR ROAD	FC	Fourth Creek	32A	Bypass System		There was a failure of a construction bypass system.	12	0.25		N/A	Repair Completed	N/A
3/18/10	5732	TENNYSON DRIVE	FC	Fourth Creek	32A	MH 49-182		The sewer main was flushed to remove the blockage caused by debris.	20,825	168 Intermittently		N/A	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	32A	MH 49-2		The sewer main was flushed to remove the blockage caused by debris.	2,030	0.5		N/A	BA	12 Months
3/1/2011	7927	WEST CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-12		Blockage - Debris, Influenced by heavy rainfall.	50	1		N/A	BA	6 Months
9/29/09	8012	WEST CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-7		The sewer main was flushed to remove the blockage caused by grease and roots.	65	1		N/A	BA/Grease Control	6 Months
4/6/2011	8105	WEST CLIFF DRIVE	FC	Fourth Creek	32A	MH 36-18		Blockage - Roots	400	2.5		N/A	BA	6 Months
10/3/02		WALKER SPRINGS RD & N GALLAHER VIEW RD	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 RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	18,000	12	✓	Construction Completed	N/A	N/A
2/27/03		WALKER SPRINGS RD & N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1890	21	✓	Construction Completed	N/A	N/A
5/6/03		WALKER SPRINGS RD & N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	49,875	66.5	✓	Construction Completed	N/A	N/A
7/2/03		WALKER SPRINGS RD & N GALLAHER VIEW RD	FC	Fourth Creek	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	14,440	24	✓	Construction Completed	N/A	N/A
11/6/03		WALKER SPRINGS RD & N GALLAHER VIEW RD	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	32A	MH 77		Heavy rainfall in the area resulted in high flows in the collection system.	1920	8	✓	Construction Completed	N/A	N/A
11/2/2011	409	NORTH WINSTON ROAD	FC	Fourth Creek	32B	MH17-1		System Failure - Broken Gravity Main	50	2		N/A	Repair Completed	N/A
2/10/10	800	BENNETT PLACE	FC	Fourth Creek	32B	Broken Pipe		There was a collapsed portion of the sewer main.	45900	72	✓	Construction Underway	Repair Completed	N/A
8/26/10	800	BENNETT PLACE	FC	Fourth Creek	32B	Broken Sewer		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	35A	Subsurface		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 barscreens.	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		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
12/9/09	2004	NEYLAND DRIVE	KUW	Second Creek	35a	MH 1		There was an electrical failure at the plant. Electrical power was restored to the plant.	3,300,000	0.87		N/A	Repair Completed	N/A
3/23/10	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		There was an SSO caused by temporary electrical power failure.	50000	0.05		Future Construction Planned (CCP Storage)	N/A	N/A
2/28/2011	2004	NEYLAND DRIVE	KUW	Second Creek	35A	MH 1		Rainfall in the area produced I & I and high flows in sewer mains.	360,000	0.5	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	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	1300	ALCOA HIGHWAY	KUW	Third Creek	35B	MH 18-3		Blockage - Debris	650	1		N/A	BA	12 Months
4/29/09	1801	LAKE AVENUE	KUW	Third Creek	35B	Lateral Cleanout		The broken sewer main was repaired and the partial blockage was flushed.	710	2.25		N/A	Repair Completed	N/A
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	150	4		N/A	Repair Completed	N/A
3/3/07	2004	NEYLAND DRIVE	KUW	Third Creek	35B	MH 1		Widespread power outages due to high winds resulted in a total power loss to the plant for 130 minutes.	1,170,000	1.5	✓	N/A	Repair Complete	N/A
3/17/02	2015	NEYLAND DRIVE	KUW	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.	Unknown	Unknown	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
6/6/02	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.	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 flow into the WWTP resulted in an inadvertent overflow.	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		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	1,300,000	1	✓	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		During high flow conditions, valve operations deemed necessary by operator to control 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.	400,000	2.63		Construction Completed	N/A	N/A
2/15/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	#6 Digester		Foaming in the #6 digester resulted in a spill. Standard operating procedures are addressing the problem.	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		Foaming in the #6 digester resulted in a spill. Standard operating procedures are 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	35B	Filtrate Tank		The filtrate drain line was flushed to remove the blockage caused by debris.	200	0.1		N/A	Changes to SOP and Operator Training	N/A
4/2/05	2015	NEYLAND DRIVE	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.	9,000	1.5		Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
5/20/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Primaries # 3-4 Influent Boxes		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	500	0.17		Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
8/23/05	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Kuwahee WWTP Digester MH		Pipe capacity was exceeded with normal supernatant flow and sludge dewatering contractor discharge.	0	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		The secondary splitter box momentarily overflowed when the intermediate storage tanks 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
2/18/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Primary Sludge Pipe		The leak from a primary sludge pipe was repaired.	2,128	0.083		N/A	Repair Completed	N/A
6/11/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	MH 4-51		Line capacity was exceeded by a waste hauler.	50	0.02		N/A	Repair Completed	N/A
9/4/08	2015	NEYLAND DRIVE	KUW	Third Creek	35B	Broken Pipe		A sewer main was damaged during excavation for a potable water line.	50	0.083		N/A	Repair Completed	N/A

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Date	Street #	Street	Plant	Watershed	Basin	Overflow Location	Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
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	KUW	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	35B	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	35B	MH 39		Blockage - Debris	750	1		N/A	BA	12 Months
3/10/2011	2377	NEYLAND DRIVE	KUW	Third Creek	35B	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	35B	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
2/14/03		KUWAHEE WWTP	KUW	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.	1,600,000	1.5	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
2/15/03		KUWAHEE WWTP	KUW	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.	11,700,000	16.5	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
2/16/03		KUWAHEE WWTP	KUW	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
2/17/03		KUWAHEE WWTP	KUW	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.	1,480,000	7	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
2/21/03		KUWAHEE WWTP	KUW	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.	1,320,000	2.5	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
2/22/03		KUWAHEE WWTP	KUW	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.	10,870,000	22.5	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
4/10/03		KUWAHEE WWTP	KUW	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.	1,740,000	3	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
5/5/03		KUWAHEE WWTP	KUW	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.	1,050,000	3	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
5/6/03		KUWAHEE WWTP	KUW	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.	22,060,000	15	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
5/7/03		KUWAHEE WWTP	KUW	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.	19,400,000	15.5	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
11/6/03		KUWAHEE WWTP	KUW	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.	50,000	0.72	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
1/24/02		SECONDARY JUNCTION BOX @ KUWAHEE WWTP	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
1/25/02		SECONDARY JUNCTION BOX @ KUWAHEE WWTP	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
3/17/02		SECONDARY JUNCTION BOX @ KUWAHEE WWTP	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.	450,000	9	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
3/18/02		SECONDARY JUNCTION BOX @ KUWAHEE WWTP	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.	200,000	5.5	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
9/21/02		SECONDARY JUNCTION BOX @ KUWAHEE WWTP	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.	3000	0.25	✓	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A
2/14/03		SECONDARY JUNCTION BOX @ KUWAHEE WWTP	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.	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	Long-Term 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
4/20/06	2017	AMHERST AVENUE	KUW	Williams Creek	25	MH 4-111		The sewer main was flushed to remove the blockage caused by debris and resulting from vandalism.	1	0.17		N/A	Repair Completed	N/A
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	3021	RENNOC ROAD	KUW	First Creek	4	Lateral Cleanout		The sewer main was flushed to remove the blockage caused by grease.	31	2		N/A	B A / Grease Control	12 Months
1/25/07	2862	LONDON CIRCLE	KUW	First Creek	18	MH 41-2		The sewer main was flushed to remove the blockage caused by grease.	240	1		N/A	B A / Grease Control	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	B A	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.	180	1	✓	N/A	Repair Complete	N/A
								There was no apparent cause found. Contractor flushing and a missing cleanout cap is the probable scenario.	112	1		N/A	B A	6 Months
2/6/07	4421	ROYALVIEW ROAD	KUW	Third Creek	11	Cleanout		The sewer main was flushed to remove the blockage caused by grease.	120	1		N/A	B A / Grease Control	12 Months
2/13/07	409	N BROADWAY	KUW	Second Creek	23	MH 19-187		The sewer main was flushed to remove the blockage caused by grease.	480	2		N/A	B A	6 Months
2/15/07	1611	LAUREL AVENUE	KUW	Second Creek	23	Private MH		The sewer main was physically cleaned and flushed to remove the blockage caused by debris and due to vandalism.	452,520	108		N/A	Repair Complete	N/A
2/15/07	3022	BORIGHT AVENUE	KUW	First Creek	8	MH 35		The sewer main was flushed to remove the blockage caused by debris.	400	3		N/A	B A	6 Months
2/16/07	100	S HALL OF FAME DRIVE	KUW	First Creek	30	MH 14-3		The sewer main was physically cleaned and flushed to remove the blockage caused by debris and due to vandalism.	3,600	5		N/A	Repair Complete	N/A
2/17/07	2600	HOLBROOK DRIVE	KUW	First Creek	4	MH 18-24		The sewer main was flushed to remove the blockage caused by roots and debris.	240	1		N/A	B A	6 Months
2/22/07	1110	WOODCREST DRIVE	KUW	First Creek	7	MH 29-22		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
2/22/07	6213	ELLESMERE DRIVE	KUW	Third Creek	11	MH 48-25		A private contractor ruptured a 6" force main during an excavation.	16	1		N/A	Repair Complete	N/A
2/26/07	6350	RUTLEDGE PIKE	LC	Loves Creek	105	Ruptured Force Main		The sewer main was flushed to remove the blockage caused by roots.	240	2		N/A	B A	6 Months
2/28/07	3325	DEWINE DRIVE	KUW	Third Creek	11	MH 5-2		There was a small leak at a pipe joint during a surcharge event caused by widespread power outages due to high winds.	15	1		Construction Completed	N/A	N/A
3/3/07	2620	SCOTTISH PIKE	KUW	South Knoxville	39	Leaking Joint		The sewer main was flushed to remove the blockage caused by grease and debris.	108	1		N/A	B A / Grease Control	6 Months
3/5/07	1532	WILDER PLACE	KUW	Williams Creek	25	MH 4-56		The sewer main was flushed to remove the blockage caused by roots and debris.	1,500	5		N/A	B A	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 grease and roots.	375	1		N/A	B A / Grease Control	6 Months
3/23/07	2437	KEITH AVENUE	KUW	Third Creek	22	Lateral		The sewer main was flushed to remove the blockage caused by roots.	1,575	4		N/A	B A	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.	30	1		Construction Completed	B A	6 Months
3/27/07	2856	JEFFERSON AVENUE	KUW	Williams Creek	19	MH 5-75		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
3/29/07	3804	W. BLOUNT AVENUE	KUW	South Knoxville	39	Abandoned Lateral		The sewer main was flushed to remove the blockage caused by debris.	180	1		N/A	B A	12 Months
4/17/07	9315	RUTLEDGE PIKE	EB	Eastbridge	114	MH 65-10		The sewer main was flushed to remove the blockage caused by grease.	20,950	24		N/A	B A / Grease Control	6 Months
4/18/07	2324	N BROADWAY	KUW	First Creek	17	MH 4-113		There was a small leak on a low-pressure force main.	3	2		N/A	Repair Complete	N/A
4/24/07	5516	BROWN ATKIN DRIVE	FC	Fourth Creek	43	Leaking LP Force Main		There was a small leak on a low-pressure force main.	5	2		N/A	Repair Complete	N/A
5/22/07	8413	WASHINGTON PIKE	EB	Eastbridge	111	Leaking LP Force Main		The sewer main was flushed to remove the blockage caused by grease.	711	2	✓	N/A	B A / Grease Control	6 Months
5/25/07	1749	RIVERSIDE DRIVE	KUW	Williams Creek	31	MH 16-2		The sewer main was flushed to remove the blockage caused by debris.	Unknown	Unknown		N/A	B A	6 Months
5/31/07	700	N BROADWAY	KUW	Second Creek	23	Leaking Pipe		The sewer main was flushed to remove the blockage caused by debris.	160	1		Construction Completed	B A	3 Months
6/6/07	3334	ASHLAND AVENUE	KUW	Williams Creek	19	MH 21-3		The sewer main was flushed to remove the blockage caused by grease and debris.	19	1.5		N/A	B A / Grease Control	6 Months
6/6/07	5904	WASHINGTON PIKE	KUW	First Creek	2	Grease Trap		There was a small leak on a force main.	31	2		N/A	Repair Complete	N/A
6/7/07	2915	ISLAND HOME AVENUE	KUW	South Knoxville	40	Leaking Force Main		There was a failure at a KUB-owned grinder pump station.	2	1.5		N/A	Repair Complete	N/A
6/10/07	2111	COVE VIEW WAY	FC	Fourth Creek	43	Residential Grinder Pump		There was a leak on a force main near the pump station.	225	5		N/A	Repair Complete	N/A
6/13/07	2319	SOUTHSIDE DRIVE	KUW	South Knoxville	40	Leaking Force Main		The sewer main was flushed to remove the blockage caused by debris.	30	1		N/A	B A	12 Months
6/27/07	208	HUMES STREET	KUW	First Creek	30	Leaking Lateral		There was a leak caused by a broken lateral in the street.	6	1		N/A	B A	12 Months
7/7/07	2110	HARVEY STREET	KUW	Second Creek	15	Leaking Lateral		The sewer main was flushed to remove the blockage caused by grease.	288	2		N/A	B A / Grease Control	6 Months
7/11/07	1723	BREDA DRIVE	KUW	First Creek	8	MH 7-144		The sewer main was flushed to remove the blockage caused by debris.	19,635	24		N/A	B A	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 debris.	16,560	72		N/A	B A	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.	7,967	10		N/A	B A	6 Months
7/14/07	2021	COLD CREEK WAY	KUW	First Creek	4	MH 22-45		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
7/17/07	1935	CHIPMAN STREET	KUW	First Creek	18	MH 20-8		The residential grinder pump had a mechanical failure.	50	1.5		N/A	Repair Complete	N/A
8/2/07	751	MURRAY DRIVE	KUW	Third Creek	9	Residential Grinder Pump		The sewer main was repaired.	10	2	✓	N/A	Repair Complete	N/A
8/6/07	300	KINGSTON COURT	KUW	Third Creek	29	MH 8-50		The sewer main was flushed to remove the blockage caused by grease and roots.	108	1		N/A	B A / Grease Control	6 Months
8/15/07	100	DALTON PLACE WAY	KUW	Second Creek	10	MH 20-2		There was a leak on a 6" force main.	90	1		N/A	Repair Complete	N/A
9/15/07	325	PELHAM ROAD	KUW	Williams Creek	19	Leaking Force Main		The sewer main was repaired and flushed to remove the blockage caused by debris.	11	1		N/A	B A	3 Months
9/25/07	1610	CLINCH AVENUE IN ALLEY	KUW	Second Creek	35A	End-of-Line		The sewer main was repaired and flushed to remove the blockage caused by grease.	50	1		N/A	B A / Grease Control	18 Months
10/2/07	4414	TOWNHOUSE WAY	KUW	Third Creek	11	Lateral Cleanout		The sewer main was flushed to remove the blockage caused by grease and roots.	5	1		N/A	B A / Grease Control	6 Months
10/5/07	4435	SHANGRI-LA DRIVE	LC	Loves Creek	6	MH 29-355		The sewer main was flushed to remove the blockage caused by grease.	180	1		N/A	B A / Grease Control	6 Months
10/21/07	2801	HOLBROOK DRIVE	KUW	First Creek	3	MH 6-7		The sewer main was flushed to remove the blockage caused by debris.	180	1		N/A	B A	6 Months
10/24/07	100	E. MAGNOLIA AVENUE	KUW	First Creek	30	MH 35		The leaking check valve on the residential grinder pump station was repaired.	25	3		N/A	Repair Complete	N/A
11/3/07	7220	WASHINGTON PIKE	EB	Eastbridge	109	Leaking Check Valve		The sewer main was flushed to remove the blockage caused by roots.	77	1.5		N/A	B A	6 Months
11/19/07	2021	CHEROKEE BLUFF DRIVE	KUW	South Knoxville	39	MH 27-280		There was a leak on a 12" force main.	95	1		N/A	Repair Complete	N/A
11/27/07	217	LINFORD ROAD	KUW	Knob Creek	41	Leaking Force Main		The sewer main was flushed to remove the blockage caused by grease.	180	1		N/A	B A / Grease Control	6 Months
11/27/07	6410	DEANE HILL DRIVE	FC	Fourth Creek	33	MH 1-26		The sewer main was flushed to remove the blockage caused by grease and roots.	5	1		N/A	B A / Grease Control	6 Months
11/30/07	4450	HOLIDAY BOULEVARD	KUW	Third Creek	11	MH 20-12		The sewer main was flushed to remove the blockage caused by grease.	720	2		N/A	B A / Grease Control	6 Months
12/26/07	1811	EAST GLENWOOD AVENUE	KUW	First Creek	24	MHs 25-52 & 25-53		The sewer main was flushed to remove the blockage caused by debris.	62	1		N/A	B A	12 Months
12/26/07	5922	GRAY GABLES DRIVE	FC	Fourth Creek	49	Lateral Cleanout								

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	B A	12 Months
01/25/08	2446	MARTIN L. KING JR. AVE	KUW	Williams Creek	19	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	LC	Loves Creek	26	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	2	0.5		N/A	BA	6 Months
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	KUW	First Creek	17	Building Backup		A plug failure occurred during a post-construction pipe pressure test by the contractor.	3	0.001		N/A	Repair Completed	N/A
10/08/08	2800	FAIRVIEW STREET	KUW	First Creek	16	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	First Creek	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	First Creek	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
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	
01/06/09	5230	MCNUTT ROAD	KUW	Knob Creek	41	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	11	0.25		Future Construction Planned	N/A	N/A
02/01/09	4413	DEERFIELD ROAD	KUW	Third Creek	11	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	1	1		Future Construction Planned	N/A	N/A
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
03/17/09	2860	LINDEN AVENUE	KUW	Williams Creek	19	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	1	0.02		N/A	BA/Grease Control	3 Months
4/13/09	1848	FRATERNITY PARK DRIVE	KUW	Third Creek	35B	Building Backup	✓	The capacity of the sewer main was exceeded when a swimming pool was drained.	650	2.25		N/A	Repair Completed	N/A
04/21/09	4213	WALROCK LANE	KUW	Third Creek	12	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	10	0.17		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 several weeks		N/A	Repair Completed	N/A
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	Eastbridge	72	Building Backup		Building backup due to sewer main flushing.	2	0.016		N/A	BA/Grease Control	6 Months
05/28/09	2536	NICHOLS AVENUE	KUW	Williams Creek	19	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	LC	Loves Creek	6	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	KUW	First Creek	2	Building Backup		Building backup due to sewer main flushing.	98	0.5		N/A	N/A	N/A
07/15/09	2709	SPRING HILL ROAD	LC	Loves Creek	6	Building Backup		Building backup due to a damaged lateral during gas main installation.	20	6		N/A	N/A	N/A
09/01/09	2716	SUTHERLAND AVENUE	KUW	Third Creek	29	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	200	9.5		N/A	BA	1 Month
09/25/09	3001	GINNBROOKE LANE	KUW	South Knoxville	47	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	Riverdale	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	KUW	South Knoxville	39	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	Second Creek	10	Building Backup		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
01/24/10	1109	BIDDLE STREET	KUW	Williams Creek	25	Building Backup	✓	The sewer main was flushed to remove the blockage caused by roots and influenced by heavy rainfall.	1000	1		N/A	BA	6 Months
02/03/10	5401	GREENCREST ROAD	KUW	First Creek	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	Third Creek	13	Building Backup		Building backup due to sewer main flushing.	1	0.02		N/A	N/A	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
03/29/10	319	ECHODALE LANE	KUW	South Knoxville	41	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	5	0.5		NA	Repair Completed	NA
03/30/10	2924	SUTHERLAND AVENUE	KUW	Third Creek	28	Building Backup		Building backup due to sewer main flushing.	15	0.05		N/A	N/A	N/A
04/05/10	2920	SUTHERLAND AVENUE	KUW	Third Creek	28	Building Backup		Building backup due to sewer main flushing.	1	0.02		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	First Creek	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	Loves Creek	26	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	SHELTON DRIVE	KUW	South Knoxville	41	Building Backup		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	Third Creek	13	Building Backup		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	Third Creek	22	Building Backup		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	South Knox	40	Building Backup		The SSO was caused by a broken sewer main.	500	5		NA	Repair Completed	N/A
02/02/11	2101	EDGEWOOD AVENUE	KUW	First Creek	16	BBU		Construction Failure - Sewer main cleaning	50	0.25	✓	N/A	Repair Completed	N/A
02/07/11	800	TYSON STREET	KUW	Second Creek	23	BBU		Construction Failure - Lateral not reconnected during construction	1100	Unknown		N/A	Repair Completed	N/A
02/28/11	3218 & 3220	AVONDALE AVENUE	KUW	First Creek	8	BBU & SSO		Blockage - Grease, Influenced by Heavy Rainfall	1500	3		N/A	BA/Grease Control	12 Months
02/28/11	445	BLOUNT AVENUE	KUW	South Knox	39	BBU		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	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
02/28/11	143	SOUTH VAN GILDER STREET	KUW	First Creek	24	BBU		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	First Creek	16	BBU		Construction Failure - Bypass pumping failure	40	1		N/A	Repaired Completed	N/A
03/04/11	21115 & 2115	EDGEWOOD AVENUE	KUW	First Creek	16	BBU		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	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
03/22/11	4924	LONAS ROAD	FC	Fourth Creek	33	BBU		Construction Failure - Sewer main cleaning	200	1.5		N/A	Repair Completed	N/A
03/24/11	205	WEST BAXTER AVENUE	KUW	Second Creek	23	BBU		Construction Failure - Bypass pumping failure	200	1		N/A	Repair Completed	N/A
04/07/11	3526	BUFFAT MILL ROAD	KUW	First Creek	18	MH 65-19 and BBU		Blockage - Roots	300	4		N/A	BA	12 Months
04/30/11	445	BLOUNT AVENUE	KUW	South Knox	39	BBU		Rainfall in the area produced I & I and high flows in sewer mains.	10	0.5	✓	Future Construction Planned	N/A	N/A
06/24/11	2111	EDGEWOOD AVENUE	KUW	First Creek	16	BBU		Rainfall in the area produced I & I and high flows in sewer mains.	200	1	✓	Construction Completed	N/A	N/A
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
06/24/11	2300	GREENFIELD LANE	KUW	First Creek	18	BBU		Rainfall in the area produced I & I and high flows in sewer mains.	50	1		Future Construction Planned	N/A	N/A
07/13/11	719	E LAKE FOREST DRIVE	KUW	Knob Creek	41	BBU		Construction Failure - Bypass pumping failure	225	0.083		N/A	Repair Completed	N/A
08/25/11	4209	CHINKAPIN LANE	KUW	Third Creek	11	BBU		Blockage - Grease	100	1		N/A	BA/Grease Control	12 Months
09/01/11	6235	RUTLEDGE PIKE	LC	Loves Creek	105	Grinder Pump and BBU		Grinder Pump Failure	20	1		N/A	Repair Completed	N/A
12/10/11	5209	MURPHY ROAD	KUW	First Creek	2	BBU & SSO		Construction Failure - grinder pump reinstated & area cleaned.	30	2		N/A	Repair Completed	N/A
12/22/11	5733	WILKERSON ROAD	KUW	Third Creek	9	BBU		Blockage - Debris	310	4		N/A	BA	12 Months
12/24/11	5347	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Residential Grinder Pump and BBU		Grinder Pump Failure	5	1		N/A	Repair Completed	N/A
12/29/11	4525	OLD KINGSTON PIKE	KUW	Third Creek	34	BBU		System Failure- Sewer Main Collapse. Sewer main was repaired.	50	3		N/A	Repair Completed	N/A

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
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	Building Backup		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		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	BBU & SSO		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	Building Backup		Customer's lateral not reconnected to sewer main after mainline construction.	5	0.25		N/A	Repair Completed	N/A
07/15/09	2709	SPRING HILL ROAD	LC	Loves Creek	6	Building Backup		Building backup due to a damaged lateral during gas main installation.	20	6		N/A	N/A	N/A
06/10/09	4016	WAYNE DRIVE	LC	Loves Creek	6	Building Backup		The sewer main was flushed to remove an unknown blockage.	3	0.33		N/A	BA	3 Months
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
11/01/08	4707	SEMINOLE ROAD	KUW	First Creek	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
02/28/11	3218 & 3220	AVONDALE AVENUE	KUW	First Creek	8	BBU & SSO		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	BBU		Blockage - Debris	310	4		N/A	BA	12 Months
05/24/10	1316	CASELL DRIVE	KUW	Second Creek	10	Building Backup		Building backup due to sewer main flushing.	1.5	0.016666667		N/A	N/A	N/A
10/10/09	4111	BRUHN RD	KUW	Second Creek	10	Building Backup		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	BBU		Blockage - Grease	100	1		N/A	BA/Grease Control	12 Months
02/01/09	4413	DEERFIELD ROAD	KUW	Third Creek	11	Building Backup		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	B A	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
02/28/10	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	Building Backup		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	15	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	Building Backup		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	Building Backup		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	BBU		Construction Failure - Sewer main cleaning	50	0.25	✓	N/A	Repair Completed	N/A
06/24/11	2111	EDGEWOOD AVENUE	KUW	First Creek	16	BBU		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	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
03/02/11	2800	FAIRVIEW STREET	KUW	First Creek	16	BBU		Construction Failure - Bypass pumping failure	40	1		N/A	Repaired Completed	N/A
11/15/08	3321	GODFREY STREET	KUW	First Creek	16	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	100	5.25		Future Construction Planned	N/A	N/A
03/04/11	21115 & 2115	EDGEWOOD AVENUE	KUW	First Creek	16	BBU		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	Building Backup		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	BBU		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	KUW	First Creek	18	MH 65-19 and BBU		Blockage - Roots	300	4		N/A	BA	12 Months
01/25/08	2446	MARTIN L. KING JR. AVE	KUW	Williams Creek	19	Building Backup		The contractor did not re-establish the service connection after a rehabilitation project.	450	Unknown		N/A	Repair Completed	N/A
05/28/09	2536	NICHOLS AVENUE	KUW	Williams Creek	19	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	15	0.33		N/A	BA/Grease Control	12 Months
03/17/09	2860	LINDEN AVENUE	KUW	Williams Creek	19	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	1	0.02		N/A	BA/Grease Control	3 Months
11/09/10	735	REED STREET	KUW	Third Creek	22	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	50	2.25		N/A	BA	6 Month
03/24/11	205	WEST BAXTER AVENUE	KUW	Second Creek	23	BBU		Construction Failure - Bypass pumping failure	200	1		N/A	Repair Completed	N/A
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
02/07/11	800	TYSON STREET	KUW	Second Creek	23	BBU		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	BBU		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	Building Backup	✓	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	Building Backup		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	Building Backup		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	Building Backup		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	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
04/05/10	2920	SUTHERLAND AVENUE	KUW	Third Creek	28	Building Backup		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		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	Building Backup		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	BBU		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	BBU		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	BBU		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	BBU		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	39	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	N	NA	Repair Completed	NA
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
03/29/10	319	ECHODALE LANE	KUW	South Knoxville	41	Building Backup		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	BBU		Construction Failure - Bypass pumping failure	225	0.083		N/A	Repair Completed	N/A
01/06/09	5230	M McNUTT ROAD	KUW	Knob Creek	41	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	11	0.25		Future Construction Planned	N/A	N/A
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
05/03/10	6421	SHETLAND DRIVE	KUW	South Knoxville	41	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	43	ntial Grinder Pump and BBU		Grinder Pump Failure	5	1		N/A	Repair Completed	N/A
09/25/09	3001	GINNBROOKE LANE	KUW	South Knoxville	47	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	Riverdale	60	Building Backup		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	72	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	72	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	105	Grinder Pump and BBU		Grinder Pump Failure	20	1		N/A	Repair Completed	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
4/13/09	1848	FRATERNITY PARK DRIVE	KUW	Third Creek	35B	Building Backup	✓	The capacity of the sewer main was exceeded when a swimming pool was drained.	650	2.25		N/A	Repair Completed	N/A

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
9/1/02	3550	PLEASANT RIDGE ROAD	KUW	Third Creek	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	Third Creek	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	KUW	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	B A	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	KUW	First Creek	7	Building Backup		The sewer main was flushed to remove the blockage caused by roots and debris.	2	0.05		N/A	B A	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	B A	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	Third Creek	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	Third Creek	38	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	3	0.5		N/A	B A	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	KUW	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	KUW	First Creek	30	Building Backup		A contractor inadvertently 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	KUW	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
5/22/07	14 & 2408	ABERDEEN LANE	KUW	South Knoxville	40	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	KUW	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	KUW	South Knoxville	39	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	Loves Creek	20	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	100	2		N/A	B A	6 Months
7/28/07	3808	KINCAID STREET	KUW	First Creek	16	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	225	1		N/A	B A	6 Months
7/28/07	1434	NOLAN AVENUE	KUW	Third Creek	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	Third Creek	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	Third Creek	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	KUW	Second Creek	23	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	100	1		N/A	B A	6 Months
8/23/07	6220	WESTERN AVENUE	KUW	Third Creek	11	Building Backup		The sewer main was flushed to remove the blockage caused by grease.	10	1		N/A	B A / Grease Control	3 Months
8/29/07	3428	LAKE VIEW DRIVE	KUW	Third Creek	38	Building Backup		The sewer main was flushed to remove the blockage caused by roots and debris.	1,870	1.5		N/A	B A	6 Months
10/12/07	530	S. GAY STREET	KUW	First Creek	30	Building Backup		The broken sewer pipe was repaired.	24,480	4		Construction Completed	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.	5	0.08		N/A	Operator Training	N/A
11/26/07	1316	KIRBY ROAD	FC	Fourth Creek	33	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	250	5		N/A	B A	3 Months
11/27/07	2905	BELLEVUE STREET	KUW	First Creek	16	Building Backup		The sewer main was flushed to remove the blockage caused by roots and debris.	91	5		N/A	B A	6 Months
12/14/07	503	HOUSTON STREET	KUW	Williams Creek	19	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	32	0.5		N/A	B A	12 Months
12/27/07	2013	COUNTRYHILL LANE	FC	Fourth Creek	32A	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	<1	<0.05		N/A	B A	12 Months