2003-2010 Sanitary Sewer Overflow Evaluation Report

Including Building Backups and Trend Analysis

Submitted to EPA on April 29, 2011

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D. Wayne Loveday

Ipril 29, 2011







Executive Summary

2003-2010 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 2003-2010 SSOER is an assessment of the sanitary sewer overflows (SSOs), including building backups that occurred between January 2003 and December 2010. 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 2006) have been removed from the lists but remain a part of the Gravity Line Preventive Maintenance Program. The locations that were removed for that reason are included on separate spreadsheets. This trend analysis goes back to 2003 to represent progress made since the beginning of PACE 10. However, the 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 72 percent decrease in the number of 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 (160 miles) of sewer main and the completion of over 148 projects, including four wet-weather storage tanks with 22 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 in both 2009 and 2010 can be attributed to the influence of rainfall. The 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). 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 helped produce 16 SSOs at the very start of the 2010, and these 16 overflows represent almost 50 percent of the wetweather SSOs reported for the entire year.

KUB's wastewater storage facilities at Lower First Creek, Upper First Creek, Third Creek, and Walker Springs operated a combined total of 41 times in 2010 (an average of about 10 times each), containing over 82 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. As a part of the Composite Correction Plan, two peak-flow facilities are being constructed to mitigate the impact that wet-weather flows have on the Kuwahee Wastewater Treatment Plant. The first located at Bernard Avenue will be operational in June 2011. Construction of the second facility located at the plant itself began in December 2009. The Lower Third Creek tank will also be completed in June 2011.

There has also been a 77 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 laterals in addition to the main in response to problems on property. Those inspections are now used as enforcement for the Private Lateral Program in addition to post-rehabilitation inspection of private sewer laterals.

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.

Key to the spreadsheet headings in the SSOER

- **1. Date:** Date the overflow was discovered by/or reported to KUB.
- 2. Street #: The street number of the location where the overflow occurred.
- 3. Street: The street name where the overflow occurred.
- Plant: The wastewater treatment plant (WWTP) that receives wastewater from the collection system in the area of the overflow. *Abbreviations:* EBR – Eastbridge WWTP; FC – Fourth Creek WWTP; KUW – Kuwahee WWTP; LC – Loves Creek WWTP.
- 5. Watershed: A natural geographic area draining to a particular waterway, such as First Creek.
- **6. Basin:** A small area of the sewer system separated by natural topography or system configuration. KUB identifies basins by a number.
- **7.** Overflow Location: This location information is specific to the KUB system, listing manhole numbers (MH#), pump stations, etc., or if the overflow was on a customer lateral or at a broken pipe.
- 8. Private Property Location: 'BB' indicates that a sewer backed up into a building in association with a reportable SSO. Building backups associated with overflows are shown in the building backup spreadsheet.
- **9.** Cause of SSO/KUB Response: The causes of SSOs are inflow and infiltration (I&I) from rain or flooding and blockages caused by grease buildup, roots, or debris. This column lists immediate actions KUB took in response to the SSO, such as repairing the line, etc.
- 10. Volume (Gallons): The estimated gallons of wastewater spilled in the overflow.
- 11. Duration (Hours): The estimated number of hours an overflow lasted.
- **12. Event Occurred Two or More Times Within 12 Months:** Shows SSOs recurring two or more times in a 12-month period.
- **13. Long-Term Capital Project:** Indicates whether the SSO requires long-term resolution, such as a capital improvement project. The five-year 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.
 - Completed: Construction has been completed
 - Current Construction: Work (engineering design and construction) is under way at the time of this report
 - Future Five-Year Plan: The need for a capital project has been identified/scheduled for future
 - N/A: One-time SSOs may not require long-term projects.
- 14. Short-Term Controls Blockage Abatement (BA): Short-term resolutions to SSOs and building backups include activities intended to reduce and/or eliminate the cause of the overflow or building backup. These activities include equipment/pipe/manhole repairs, routine pipe cleaning, chemical root control, grease inspections/enforcement, power restoration, etc. In some cases when an overflow has occurred two or more times in a 12-month period, a long-term corrective action will also be needed in addition to BA.
- **15. BA Schedule:** The frequency of scheduled maintenance for areas experiencing SSOs or building backups being alleviated by short-term measures.

Key to the headings in the building backup spreadsheets

- **1.** Date: Date the backup was discovered by/or reported to KUB.
- 2. Street #: The street number of the location where the backup occurred.
- 3. Street: The street name where the backup occurred.

- Plant: The wastewater treatment plant (WWTP) that receives wastewater from the collection system in the area of the backup. *Abbreviations:* EBR – Eastbridge WWTP; FC – Fourth Creek WWTP; KUW – Kuwahee WWTP; LC – Loves Creek WWTP.
- **5. Watershed:** A natural geographic area draining to a particular waterway, such as First Creek.
- **6. Basin:** A small area of the sewer system separated by natural topography or system configuration. KUB identifies basins by a number.
- **7.** Backup Location: Identifies if the backup occurred in a building and/or other private structure (manhole, clean-out, etc.).
- 8. Event Included in SSOER: A check mark indicates if this building backup was associated with a public overflow event on the SSOER.
- **9.** Cause of Backup/KUB Response: The causes of backups are inflow and infiltration (I&I) from rain or flooding and blockages caused by grease buildup, roots, or debris. This column lists immediate actions KUB took in response to the backup, such as repairing the line, etc.
- 10. Volume (Gallons): The estimated gallons of wastewater spilled in the backup.
- 11. Duration (Hours): The estimated number of hours a backup lasted.
- **12. Event Occurred Two or More Times Within 12 Months:** Shows backups recurring two or more times in a 12-month period.
- **13. Long-Term Capital Project:** Indicates whether the backup requires long-term resolution, such as a capital improvement project. The five-year 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.
 - Completed: Construction has been completed
 - Current Construction: Work (engineering design and construction) is under way at the time of this report
 - Future Five-Year Plan: 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.

2003-2010 SSO and Building Backup Report Trend Analysis

The information contained in the SSOER and Building Backup Report 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

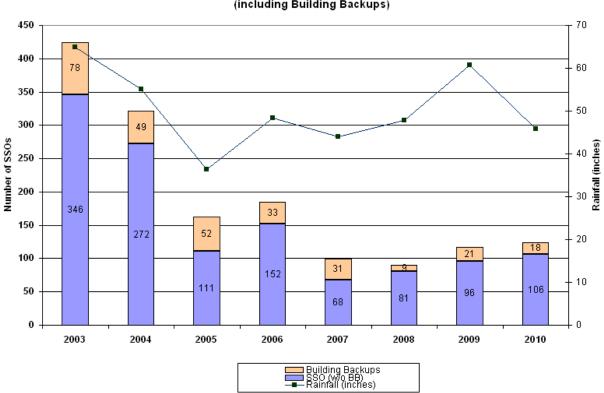


Figure 1 Annual Sanitary Sewer Overflow Totals (including Building Backups)

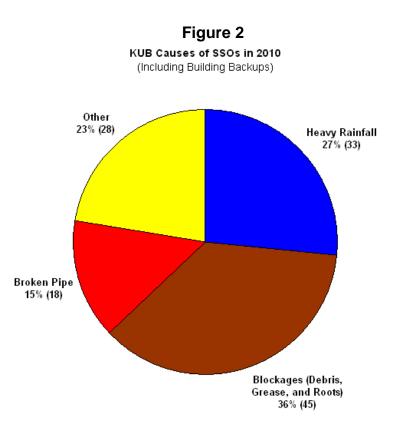
Annual Sanitary Sewer Overflow Totals

Figure 1 illustrates the overall significant decline in sanitary sewer overflows, including building backups over the last eight 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 exceeded 60 inches. 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.

In 2010 there were a total of 124 SSOs, including building backups. Thirty-three of those were wet-weather overflows, which represent 27 percent of the total. The increase in wet-weather overflows can also be attributed to the influence of total rainfall from 2009 – 2010 being higher than the two years prior to this period. As mentioned previously, 16 of the wet-weather occurrences in 2010 resulted at the beginning of the year when the area had already received over 12 inches of rain in the prior 60-day period.

There were 91 dry-weather SSOs, including building backups, in 2010. Although blockage related SSOs decreased from 53 in 2009 to 45 in 2010, there were 11 more dry-weather occurrences involving broken pipe in 2010. Overall, the percentage of dry-weather SSOs stayed at approximately 74 percent relative to 2009.



Causes of Sanitary Sewer Overflows

Figure 2 presents a comparison of SSOs 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, Flushing Operations, Grinder Pump Failure, Vandalism, WWTP, and Pump Stations).

The SSOs for 2010 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.

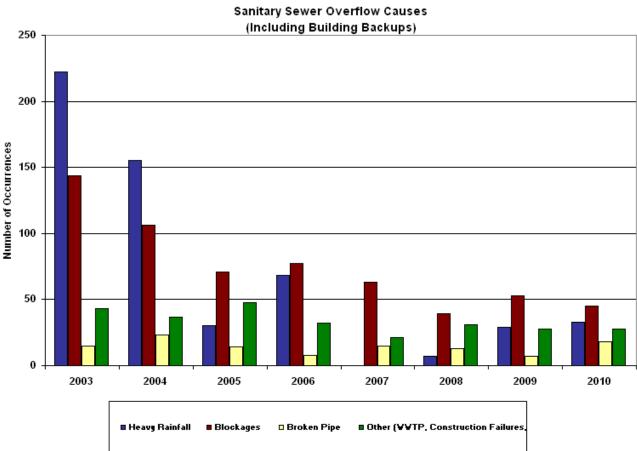


Figure 3

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 70 percent since 2003. Blockage-related events decreased from 53 in 2009 to 45 in 2010. Blockage related SSOs can be influenced by rainfall, especially with increased collection system flows following an extended dry period. This is seen in the slight increases in 2006 and 2009 relative to the previous years. There were at least 10 blockage-related events in 2009 that occurred in conjunction with higher flows and seven in 2010. 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 200 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 16 in 2009 to 12 in 2010.

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 2010 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. Heavy rainfall in February 2003, which resulted in flooded roads, homes, and businesses, caused rainfall derived inflow and infiltration (RD I/I) to exceed system capacity and led to 115 SSOs. These SSOs accounted for over 50 percent of occurrences reported for that year. A similar situation occurred again in 2006 due to a three-day period of rain from September 22-24. During this event, rain gauges across our service territory recorded between 4.39 and 5.88 inches of rain, with one-day (24 hour) totals above 3.5 inches. PACE 10 improvement projects reduced the impact during this rainfall event. This period produced 33 rainfall-related overflows, which represented 22 percent of the SSOs that occurred in 2006, but significantly fewer overflows than experienced in February 2003.

Following the 2007 drought year during which no events were caused by heavy rainfall, normal rainfall in 2008 caused seven events.

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 22 overflows total.

There were 33 overflows as a result of heavy rainfall in 2010. The increase in wet-weather overflows can also be attributed to the influence of total rainfall from 2009 – 2010 being higher than the two years prior to this period. 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 12 overflows. (See Figure 4) 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.

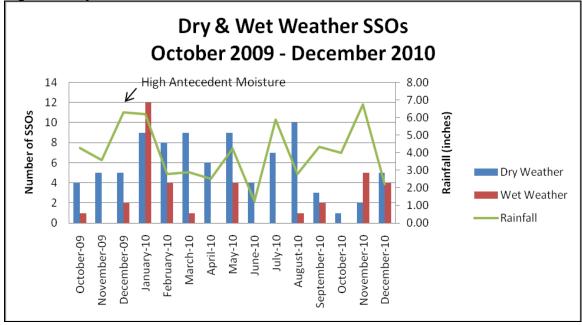


Figure 4. Dry- & Wet-Weather SSOs, October 2009 – December 2010

Table 1 compares the number of SSOs occurring during rainfall events associated with antecedent soil moisture conditions and clearly illustrates the effects from improvements within our system.

Event Period	ļ	Amount	of Rainf	all (inche	es)	Wet Weather
	1 Day	3 Day	5 Day	30 Day	60 Day	SSOs
Dec 6 -10, 2004	2.07	2.58	3.99	9.87	15.53	45
Jan 24 - 27, 2010	2.39	2.48	4.18	5.24	12.02	12
Nov 29 - Dec 5, 2010	2.35	2.97	3.52	5.91	10.94	9
Dec 31 - Jan 1, 2011	2.4	2.52	2.52	4.16	10.9	4

Table 1. Wet-Weather Event Comparison

Overall, overflows due to heavy rainfall have decreased 85 percent since 2003. This significant decrease 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 reduces the number of overflow events at chronic sites and elsewhere in the system downstream of the tanks. Collectively these tanks retained 82 million gallons of wastewater in 2010. As a part of the Composite Correction Plan, the construction of two peak-flow facilities will mitigate the impact that wet-weather flows have on the Kuwahee Wastewater Treatment Plant. The Bernard Avenue tank and Lower Third Creek tank will be operational in June 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.

<u>Broken Pipe</u>

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

Figure 3 shows SSOs due to broken pipe increased by 47 percent from 2006 to 2007, which was likely due primarily to drought conditions. Dry ground can shift abruptly and weaken pipe joints. There was a 13 percent decrease from 2007 to 2008 and a 69 percent decrease from 2008 to 2009. A total of 18 SSOs resulted from broken pipes within our system in 2010. This includes an increase of 11 relative to 2009. KUB continues to proceed with a significant amount of system rehabilitation and main line replacement to keep occurrences related to broken pipes low. Over 160 miles of pipe have been rehabilitated since the beginning of the PACE 10 program.

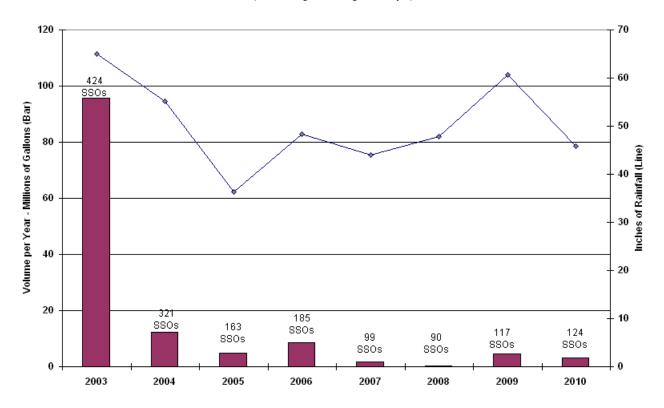
<u>Other</u>

Construction failures, flushing operations, grinder pump failure, WWTP, and pump station issues are the primary drivers in this category. This includes dig-ins by contractors, construction failures due to contractors, failures of pump-around efforts, and electrical/mechanical failures at pumping facilities or WWTPs.

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 past year 13 SSOs were caused by grinder pump failures. Ten of these events occurred within the same subdivision. As a result, the valves were replaced on all the pumps within this area to prevent additional occurrences. The maintenance schedule for grinder pumps was also reviewed and has been improved. All 140 KUB-owned grinder pumps in our service area will be assessed in 2011 and put on a more aggressive maintenance schedule.

Figure 5.A

Total SSO Volume per Year (Including Building Backups)



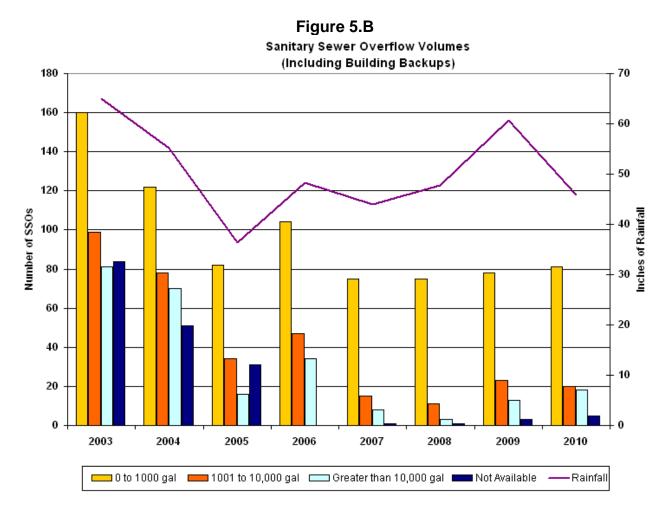
Sanitary Sewer Overflow Volumes

Figures 5.A and 5.B represent the SSO volumes between 2003 and 2010. For Figure 5.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.

The last range describes events for which volume information was not available or was not recorded, such as for building backups.

Total volumes have decreased significantly since 2003, by over 95 percent. 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 and 2010 was a result of increased rainfall, although the total for 2010 was 30 percent lower than the previous year. 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 four new 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.



The SORP, updated in 2009, 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 all of the years, this smallest volume range accounted for the most SSO events and more than half of these resulted in volumes less than 500 gallons in 2009. 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.

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 and 2010 can be related to the increase in rainfall totals, but the volumes were still substantially reduced by the use of the four storage tanks.

Not Available (N/A)

This volume range represents the volume estimations that responders were either not able to calculate or were not required to calculate according to KUB's record-keeping practices. KUB has not recorded the volume related to building backups. Under KUB's revised SORP, crews calculate volumes for both overflows and building backups, where sufficient data is available. There were five cases in 2010 where the total could not be estimated because the overflow had occurred at some point in the past and was not detected until the overflow had stopped. Situations where the overflow is discovered at a later date do not always allow a volume estimate to be calculated.

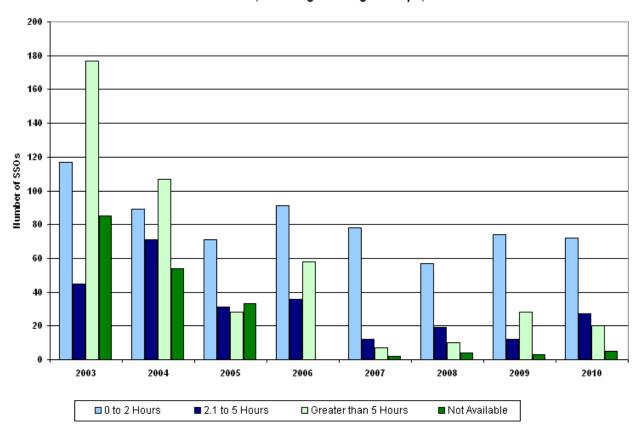


Figure 6 Sanitary Sewer Overflow Durations (Including Building Backups)

Sanitary Sewer Overflow Durations

Figure 6 represents the SSO durations between 2003 and 2010. 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.

The last category describes events for which duration information was not available or was not recorded, such as for building backups.

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 2010, the

increased response time directed by the SORP is evident. The 2010 Annual MOM Progress Report showed that our average response time for SSOs was 37 minutes, which was down from 47 in 2008. KUB currently has 26 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 Sewer Overflow Response Plan (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 60 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.

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 and 2010 given the rainfall conditions.

Not Available (N/A)

This category captures the durations for which responders were either not able to document or were not required to document according to KUB's record-keeping practices. Over 90 percent of the occurrences each year were related to building backups. Under KUB's revised SORP, crews document durations for both overflows and building backups, where sufficient data is available. There were five cases in 2010 where the time was unknown because the overflow had occurred at some point in the past and was not detected until the overflow had stopped. 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

2010 Unpermitted Discharge Data and Analysis

Appendix A lists any SSO in 2010 that resulted in an unpermitted discharge along with its cause, volume, and one- and three-day rainfall totals. Figure 7 summarizes events impacted by factors that were difficult to control or events that had minimal impact on the environment due to their low volume.

Category	Count
Mech/Elec. Failure	4
Vandalism	C
3-day rain > 4 in.	C
1-day > 3 in.	C
501 gal <vol <1000="" gal<="" td=""><td>5</td></vol>	5
Vol < 500 gal.	7

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Four discharges were caused by electrical failures during storm events. Improvements to backup power sources continue to minimize storm related problems due to wind and lightening. Most KUB facilities currently have sufficient backup power and an additional backup source is being designed for the WWTPs as part of the Composite Correction Plan. The project to provide an additional backup source (diesel generator) was been completed at the Kuwahee WWTP in December 2010.

A significant decline in unpermitted discharges has also occurred over the last five years due to the completion of PACE 10 projects and KUB's ongoing system maintenance. KUB is ahead of schedule and has already assessed almost 70 percent of its system. Rehabilitation or replacements have occurred in over 10 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 2010 MOM Progress Report, is also a major contributor to this decline and will continue to be important to further reduce dry-weather related events.

Inpermitte	d Discharges in 2010							
	Overflow volume of 500 gallons	or less		1-day rainfall greater than 3"				
	Overflow volume of 501 - 1000	gallons		3-day rainfall greater than 4"				
	Vandalism							
	Electrical or mechanical failure							
Reporting			Unrecovered	Receiving		Rainfall	Γotals	Peak Rainfall
Period	Date Location	Event	Volume (Gal.)	Stream	Cause	1-Day*	3-Day**	Intensity (in/hr)
st 2010	1/24/2010 5760 Sandis Lane	Unpermitted discharge		Holston River	Electrical failure	2.23	2.23	0.5
st 2010	1/24/2010 1500 Lyons Bend Road	Unpermitted discharge	-	Tennessee River	Heavy rainfall	2.23	2.23	0.5
st 2010	1/25/2010 7100 Rotherwood Drive	Unpermitted discharge		Fourth Creek	Heavy rainfall	0.04	2.27	0.5
st 2010	1/25/2010 1210 Moody Avenue	Unpermitted discharge	Unknown***		Heavy rainfall	0.04	2.27	0.5
st 2010	1/25/2010 608 Walker Springs Road	Unpermitted discharge	,	Ten Mile Creek	Heavy rainfall	0.04	2.27	0.5
st 2010	1/25/2010 2004 Ed Shouse Road	Unpermitted discharge	,	Third Creek	Heavy rainfall	0.04	2.27	0.5
st 2010	1/25/2010 1411 Davanna Street	Unpermitted discharge		Second Creek	Heavy rainfall	0.04	2.27	0.5
st 2010	1/25/2010 3741 Eakers Street	Unpermitted discharge	Unknown***	Baker Creek	Heavy rainfall	0.04	2.27	0.5
st 2010	1/26/2010 4713 Old Broadway	Unpermitted discharge	3,400	First Creek	Heavy rainfall	NA***	NA***	0.5
st 2010	2/2/2010 2706 Mynderse Avenue	Unpermitted discharge	1,000	Third Creek	Heavy rainfall	0.25	0.25	0.
st 2010	2/5/2010 2706 Mynderse Avenue	Unpermitted discharge	11,500	Third Creek	Heavy rainfall	1.93	2.51	0.1
st 2010	2/5/2010 7104 Rotherwood Drive	Unpermitted discharge	51,015	Fourth Creek	Heavy rainfall	1.93	2.51	0.13
st 2010	2/5/2010 2621 Bragg Street	Unpermitted discharge	60	East Fork	Blockage	1.93	2.51	0.13
st 2010	2/5/2010 2430 Highland Drive	Unpermitted discharge	2,290	First Creek	Blockage	1.93	2.51	0.13
st 2010	2/10/2010 800 Bennett Place	Unpermitted discharge	45,900	Ten Mile Creek	Broken pipe	0	0.32	0.0
st 2010	2/15/2010 100 Thirteenth Street	Unpermitted discharge	100	Second Creek	Broken pipe	0.17	0.19	0.0
st 2010	2/19/2010 6410 South Northshore Drive	Unpermitted discharge	Unknown***	Fourth Creek	Heavy rainfall	NA***	NA***	
st 2010	3/10/2010 6024 Brookvale Lane	Unpermitted discharge	Unknown***	Fourth Creek	Heavy rainfall	0.04	0.06	0.0
st 2010	3/19/2010 6549 Creekhead Drive	Unpermitted discharge	1,030	Ten Mile Creek	Blockage	0	0	
st 2010	3/23/2010 2004 Neyland Drive	Unpermitted discharge	50,000	Tennessee River	Electrical failure	0	0.5	0.0
nd 2010	4/17/2010 5105 Ball Road	Unpermitted discharge	72,675	Grassy Creek	Broken pipe	0.01	0.01	0.00
nd 2010	4/17/2010 5011 Kingston Pike	Unpermitted discharge	290	Unnamed trib to Fourth Creek	Blockage	0.01	0.01	0.00
nd 2010	5/3/2010 5816 Holston Hills Road	Unpermitted discharge		Holston River	Electrical failure	1.77	2.61	1.19
nd 2010	5/3/2010 601 Arthur Street	Unpermitted discharge		Second Creek	Blockage	1.77	2.61	1.19
nd 2010	5/3/2010 1210 Moody Avenue	Unpermitted discharge	750	Baker Creek	Heavy rainfall	1.77	2.61	1.19
nd 2010	5/3/2010 3741 Eakers Street	Unpermitted discharge	450	Baker Creek	Heavy rainfall	1.77	2.61	1.1
nd 2010	5/3/2010 1411 Davanna Street	Unpermitted discharge	600	Second Creek	Heavy rainfall	1.77	2.61	1.19
ord 2010	7/5/2010 3808 West Blount Avenue	Unpermitted discharge	13,000	Goose Creek	Blockage	0	0	
rd 2010	7/15/2010 2201 Highland Avenue	Unpermitted discharge		Third Creek	Blockage	0	0.63	0.0
rd 2010	8/16/2010 1104 McCalla Avenue	Unpermitted discharge		First Creek	Broken pipe	0.93	0.93	1.
rd 2010	8/16/2010 815 South Central Street	Unpermitted discharge		First Creek	Heavy rainfall	0.93	0.93	1.
rd 2010	9/11/2010 1411 Davanna Street	Unpermitted discharge		Second Creek	Heavy rainfall	1.74	1.75	1.3
rd 2010	9/12/2010 5915 Neubert Springs Road	Unpermitted discharge		Knob Creek	Electrical failure	0	1.75	1.3
th 2010	11/30/2010 2600 Woodson Drive	Unpermitted discharge		Spring Creek	Heavy Rainfall	2.11	2.67	0.4
th 2010	11/30/2010 3410 Boright Drive	Unpermitted discharge		First Creek	Heavy Rainfall	2.11	2.67	0.4
th 2010	12/1/2010 1500 Lyons Bend Road	Unpermitted discharge		Tennessee River	Heavy Rainfall	0.01	2.67	0.4
th 2010	12/1/2010 3741 Eakers Street	Unpermitted discharge		Baker Creek	Heavy Rainfall	0.01	2.67	0.4
	12/1/2010 1411 Davanna Street	Unpermitted discharge		Second Creek	Heavy Rainfall	0.01	2.67	0.4
th 2010						0.01	2.07	U.T

Barry Control Barry Contro Barry Contro Barry Con	Date Street # Street	Plant Watershed Basin	Private Overflow Location Propert Locatio		Volume (Gallons)	Ouration (Hours)	Event occurred two or more time within 12 months	s Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)
Sec. Sec. <th< td=""><td></td><td></td><td></td><td></td><td></td><td>4</td><td>~</td><td></td><td>5</td></th<>						4	~		5
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Image Control Lange of Lan			,			÷	✓ ✓	· · · · · · · · · · · · · · · · · · ·	
							v √		
Procession Procesi				Heavy rainfall in the area resulted in high flows in the collection system.		10		Construction Completed	N/A
No. No. No. No. No.			-			-			
No. No. No. No. Add and a strategy of						2			
No. No. <td>6/6/02 2015 NEYLAND DRIVE</td> <td>KUW Third Creek 35B</td> <td></td> <td></td> <td>38,000</td> <td>0.25</td> <td>✓</td> <td></td> <td></td>	6/6/02 2015 NEYLAND DRIVE	KUW Third Creek 35B			38,000	0.25	✓		
No. No. <td>7/12/02 BUD HAWKINS LIFT STATION</td> <td>EB NEKUD 101</td> <td>Wetwell</td> <td>The wastewater pump station overflowed due to a mechanical failure at the station.</td> <td>1000</td> <td>3</td> <td></td> <td>N/A</td> <td>Repair Completed</td>	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
No. No. <td>7/30/02 2015 NEYLAND DRIVE</td> <td>KUW Third Creek 35B</td> <td>Influent Structure</td> <td>Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass.</td> <td>10,000</td> <td>0.07</td> <td>~</td> <td>Future Construction Planned (CCP Storage)</td> <td>Repair Completed</td>	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
No. 0.11 No. 0.1 <						2			
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Dist Control and operation All					1		~		
Difference Construction Construction <td></td> <td></td> <td>MH 2-1</td> <td>Heavy rainfall in the area resulted in high flows in the collection system.</td> <td></td> <td></td> <td></td> <td></td> <td>N/A</td>			MH 2-1	Heavy rainfall in the area resulted in high flows in the collection system.					N/A
Desc Desc <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>✓ ✓</td><td></td><td></td></th<>							✓ ✓		
No. No. <td></td> <td></td> <td></td> <td></td> <td></td> <td>2</td> <td>· ·</td> <td></td> <td>N/A</td>						2	· ·		N/A
2000 Marked and Control Marked and Control Control And Control A						6	✓	N/A	
Some Part of Some Software Part of Software						<u>18</u> 7	✓ ✓		
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Problem Read Part		KINK First Cruck 7	MIL 45		00	2		N/A	P.4
DOD Alsole Ford Des Information Des Description Description <thdescription< th=""></thdescription<>					1,320,000	2.5	✓		
No. No. <td>2/22/03 203 CHILHOWEE DR</td> <td></td> <td>MH 25</td> <td>Heavy rainfall in the area resulted in high flows in the collection system.</td> <td>1800</td> <td>3</td> <td></td> <td>Future Construction Planned</td> <td>BA</td>	2/22/03 203 CHILHOWEE DR		MH 25	Heavy rainfall in the area resulted in high flows in the collection system.	1800	3		Future Construction Planned	BA
DPM Description Lange and provide Lange and	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
Desc Buschell registry Busche		KUW First Creek 2			240	2	~	Construction Completed	BA
DATA West Product Scient Science Scien							~		
NM NM NM NM NM NM NM NM N N NM N N NM N NM N N NM N NM N							~		
NUM NUM NUM Number of the state of				The sewer main was flushed to remove the blockage caused by roots.		8			BA
Nome Problem P							-		ы
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Shift Only Mar (17) Shifty Shift Shift </td <td>3/28/03 4713 OLD BROADWAY</td> <td>KUW First Creek 7</td> <td>IVII I Z</td> <td></td> <td>Unknown</td> <td>Unknown</td> <td></td> <td>Construction Completed</td> <td>BA</td>	3/28/03 4713 OLD BROADWAY	KUW First Creek 7	IVII I Z		Unknown	Unknown		Construction Completed	BA
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Set Biol Process Set Biol Process<	4/10/03 KUWAHEE WWTP	KUW Third Creek 35B	Influent Structure			3	~		
Store Store <th< td=""><td></td><td></td><td></td><td></td><td></td><td>4.25</td><td>✓ ✓</td><td></td><td></td></th<>						4.25	✓ ✓		
NUMBER NUMBER<						550	· ✓	(3)	
Set 0 MAY YOLE P S & D.CM ALVARY (WALVARY (W	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	
SNO VMLKR PM0KR3 R0 k AGULOR W/W // W // Ko V // Functor // Func							✓ ✓		
5700 MAXWEE WITP With Third Case. 300 Humble With Humble With <td>5/6/03 WALKER SPRINGS RD & N GALLAHER VIEW RD</td> <td>FC Fourth Creek 32A</td> <td>MH 77</td> <td>Heavy rainfall in the area resulted in high flows in the collection system.</td> <td></td> <td></td> <td></td> <td></td> <td></td>	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.					
Final VOCOSEND & LP & MRRCOK ROM KM Soluti Formation Soluti Soluti Solution						=			
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P703 PMALER SPRINGS DA NGLLARER VENTOR PC Found Conjected NA NA P703 FORTH CAREE WORTP FC Found Const. SA Found Const. SA Found Const. NA NA P703 FORTH CAREE WORTP KUW South Rooke SB MH 22-2 MH 22-2 MA Found Const. SB 4 Construction Conjected BA P703 SE (W ROURT AVE. KUW South Rooke SB MH 22-2 MA Found Const. SB 4 Construction Conjected BA P703 SE (W ROURT AVE. KUW ROURT AVE. SB MH 22-2 Construction Conjected BA Construction Conjected BA P703 SE (W ROURT AVE. KUW ROURT AVE. SS MH 72	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
PN08 FOURTNOCE FOURTNOCE FOURTNOCE FOURTNOCE State FOUR State FOURTNOCE <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>✓ ✓</td><td></td><td></td></t<>							✓ ✓		
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P1303 S24 EVT NUCR BOLLEYARD FC Found Creak 43 Grinder Pump G Grinder Pump G Grinder Pump Repart Completed 91303 S25 EVT NUCR BOLLEYARD FC Found Creak 33 Grinder Pump G Grinder Pump G Grinder Pump Repart Completed 11303 C NULKER SPIN SRS D & SLULEYARD FC Found Sing Creak S3 MMHT G Grinder Pump						1	~		
11/16/3 KUMAHEE WMTP KUM Thid Construction Planned CCP Storage Charges to SDP and Questors To any storage to control fow in the WMTP resulted in a inadvetent overflow. 50.00 0.72 ✓ Future Construction Planned CCP Storage Charges to SDP and Questors To any storage to storage to any storany storage to any storany storage to any storage to a									
11/10/03 WLLKER SPRINGS DA NALLAHER VIEW D FC Form CAM ML ML<			Grinder Pump		9	1			
11/1003614SEVIER AVEKUWSouth Knoxville40MH 1-430Construction CompletedBAG Grease Control11/1903WALKER SPRINGS RD & N GALLAHER VIEW RDFCFourh Creek32AMH 77Construction CompletedNA12/103FOURTH CREEK WUTPFCFourh Creek37Influent StructureAn electron failure are aresulted in high flows in the collection system.48,6500.37-NANA12/2005FORD VALLEY LIFT STATIONKUWKirds Creek74MeevedMeevedMeevedMeevedNA12/20044713 OLD BROADWAYKUWFirst Creek74MH 20MH 20MeevedMA26/0460000.25.74Construction CompletedNA26/0460000.05414WetwellMH 30MH 30MH 30MA26/0460000.05.4.0Fourh Creek30MH 30MA26/0460000.05.4.0Construction CompletedNA26/046000600022.5-Construction CompletedNA26/046000600022.5-Construction CompletedNA26/046000600022.5-Construction CompletedNA26/04600060.022.5-Construction CompletedNA26/046000600062.5-Construction CompletedNA26/046000600022.5-Co							✓ ✓		
Influe Wakkes Skn Sk A GALAHER VIEW RD FC Fourth Creek 3A MH 77 Method Method <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
121103 POURTH CREEK WWTP FC Four The Creek 37 Influent Structure Repair Completed 123003 FORD VALLEY LIFT STATION KUW Knob Creek 41 Wetwell Metwell NA 128004 4713 DLB ROADWAY KUW First Creek 7 MH2 MH2 Metwell NA 2/604 4713 DLB ROADWAY KUW Knob Creek 41 Wetwell NA NA 2/604 4713 DLB ROADWAY KUW Knob Creek 41 Wetwell NA NA 2/604 4713 DLB ROADWAY KUW Knob Creek 41 Wetwell NA NA 2/604 KOD ROADWAY KUW Knob Creek 41 Wetwell NA NA 2/604 KOD NALEY LIFT STATION KUW Sind Knob Creek 41 Wetwell NA NA 2/604 KOD NALEY LIFT STATION KUW Sind Knob Creek 41 Wetwell NA NA 2/604 KOD NALEY LIFT STATION KUW Sind Knob Creek 41 MH404 <			N/1 77			2	~		
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1/20/2 4/13 Ub BROADWAY KUW First Cree 7 Mach Ba Ba Construction Completal Ba 2/60/ V First Cree 7 Mach Mach Ba Ba Construction Completal Ba 2/60/ V First Cree 7 Mach Mach Ba Ba Construction Completal Ba Mach Ba 2/60/ V3B								Future Construction Planned	
2/6/041/6/04 (MRY)/LLE PLKE1/6/04 (MRY)/LLE PLKE1/6/0	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	v		BA
2/6/0 NGALLAHER VIEW RD FC Fourth Creak 3/2 MH 77 MH 77 MH 77 Construction Completed N/A 2/6/0 4/14 QARLAND R KUW First Creek 2 MH 3/4 & 3/4 & 3/4 MH 77 MH 3/4 & 3/4 & 3/4 MH 77 MH 3/4 & 3/4 & 3/4 MH 77 MH 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 MH 77 MH 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 & 3/4 & 3/4 MH 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 & 3/4 &									
26/0 414 OAKLAND DR KUW First Creek 2 MH 39-48 39-5 BA 2/6/0 4713 DL BROADWAY KUW First Creek 7 MH 2									
2/60 3/4 Seventh Ave Nu First Creek 18 MH 15 M 15 M 15 M 15 <th< td=""><td>2/6/04 4144 OAKLAND DR</td><td>KUW First Creek 2</td><td>MH 39-4 & 39-5</td><td>Heavy rainfall in the area resulted in high flows in the collection system.</td><td>12,000</td><td>20</td><td>-</td><td>Construction Completed</td><td></td></th<>	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	
2/6/0 3/04 SEVENTH AVE KUW First Creek 18 MH 15 BA 3/6/04 FORD VALLEY LIFT STATION KUW KuW KuW KuW MH 15 BA	2/6/04 4713 OLD BROADWAY	KUW First Creek 7	MH 2	Heavy rainfall in the area resulted in high flows in the collection system.	13,500	18			BA
3/6/0 FOR VALLEY LIFT STATION KUW Knob Creek 41 Wetwell Metwork Main Main N/A	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
vorv4 ginnercuork Lin I STATUON KUW Knoo Creek 47 vetweil Planed Benaic Controls that actuate the pumps mainunctioned.						1	~		
	3/0/04 GINNBROOK LIFT STATION	NUW Knob Creek 47	vvetwell	Pumpsitation failure-Electronic/ in e electronic controls that actuate the pumps malfunctioned.	2250	0.75	1	Future Construction Planned	004728

Date Street # Street	Plant Watershed Basin Overflow Location	Private Property Location	Volume (Gallons) Duratio	Event occurred t n (Hours) or more tin within 1: months	two nes Long-Term Capital Project 2	Short-Term Controls Blockage Abatement (BA)
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.		4	N/A	BA
4/13/01 614 SEVIER AVE 3/6/04 438 MARYVILLE PIKE	KUW South Knoxville 40 MH 1-43 KUW South Knoxville 39 MH 30	The sewer main was flushed to remove the blockage caused by debris.	1200	$\frac{1}{4}$	Construction Completed Construction Completed	BA/Grease Control
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. Heavy rainfall in the area resulted in high flows in the collection system.		3.5 ✓	Construction Completed	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.		2.5 🗸	Construction Completed	BA
3/10/04 4144 OAKLAND DR 5/22/04 1215 ROCKY HILL RD	KUW First Creek 2 MH 39-4 FC Fourth Creek 36 MH 55	Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by grease and roots.	100	4 ✓ 1	Construction Completed N/A	BA BA/Grease Control
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
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
6/17/04 1500 LYONS BEND RD (4TH CREEK)	FC Fourth Creek 37 PRIM. CLARS. 3, 4, 5 8			.58 I/A ✓	N/A	Changes to SOP and Operator Training
6/23/04 4713 OLD BROADWAY 6/25/04 1210 E MOODY AVE	KUW First Creek 7 MH 2 KUW South Knoxville 40 MH 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.		1/A ✓ 2 ✓	Construction Completed Future Construction Planned	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
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.	001	4 🗸	Construction Completed	BA
6/27/04 600 N GALLAHER VIEW RD 7/27/04 1210 E MOODY AVE	FC Fourth Creek 32A MH 77 KUW South Knoxville 40 MH 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	210	4 ✓ 4 ✓	Construction Completed Future Construction Planned	N/A N/A
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 1	Construction Completed	BA/Grease Control
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.		22 ✓	Construction Completed	N/A
9/20/04 4713 OLD BROADWAY 9/22/04 1500 LYONS BEND RD (4TH CREEK)	KUW First Creek 7 MH 2 FC Fourth Creek 37 Influent Structure	Heavy rainfall in the area resulted in high flows in the collection system. WWTP/There was a mechanical failure of a hydraulic system that resulted in a temporary influent gate closure.		5 ✓ 0.5 ✓	Construction Completed N/A	BA Repair Completed
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.		.25 🗸	Construction Completed	BA
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
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.		8 🗸	Construction Completed	BA
11/24/04 1500 LYONS BEND RD (4TH CREEK) 11/24/04 438 MARYVILLE PIKE	FC Fourth Creek 37 Influent Structure KUW South Knoxville 39 MH 30 & 29-2	Heavy influent flows caused a momentary automated gate closure. Heavy raintal in the area resulted in high flows in the collection system.		007 ✓ 6 ✓	N/A Construction Completed	Changes to SOP and Operator Training BA
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.		12 12	Construction Completed	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 1	1.3 🗸	Construction Completed	BA
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
11/30/04 5246 BENT RIVER BOULEVARD 11/30/04 4144 OAKLAND DR	FC Fourth Creek 43 Grinder Pump KUW First Creek 2 MH 39-4	There was a mechanical failure in the residential grinder pump. Heavy rainfall in the area resulted in high flows in the collection system.	5 1080	2 3 ✓	N/A Construction Completed	Repair Completed BA
12/1/04 436 MARYVILLE PIKE	KUW First Creek 2 Mill 35-4 KUW South Knoxville 39 MH 30	Heavy rainfall in the area resulted in high flows in the collection system.	540	2 ✓	Construction Completed	BA
12/1/04 600 N GALLAHER VIEW RD	FC Fourth Creek 32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.		14 🗸	Construction Completed	N/A
12/1/04 4713 OLD BROADWAY 12/7/04 438 MARYVILLE PIKE	KUW First Creek 7 MH 2 KUW South Knoxville 39 MH 30	Heavy rainfall in the area resulted in high flows in the collection system.		12 ✓ 2 ✓	Construction Completed Construction Completed	BA
12/7/04 438 MARYVILLE PIKE 12/7/04 600 N GALLAHER VIEW RD	FC Fourth Creek 32A MH 30	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.		2 ✓ 24 ✓	Construction Completed Construction Completed	N/A
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
12/7/04 4713 OLD BROADWAY	KUW First Creek 7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system.).5 ✓	Construction Completed	BA
12/9/04 1210 E MOODY AVE 12/9/04 1500 LYONS BEND RD (4TH CREEK)	KUW South Knoxville 40 MH 39 FC Fourth Creek 37 Influent Structure	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.		I.75 ✓ .83 ✓	Future Construction Planned	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.		.67	N/A	N/A
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.		24 ✓	Construction Completed	BA
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.		70 ✓	Construction Completed	N/A
12/9/04 2015 NEYLAND DRIVE 12/9/04 409 NORTH BELLEMEADE AVE	KUW Third Creek 35B Influent Structure KUW Third Creek 28 MH 3-53	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.		.63 22 ✓	Construction Completed Construction Completed	N/A BA
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.		62 ✓	Construction Completed	BA
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
12/11/04 2509 BROADWAY	KUW First Creek 17 MH 4-71	The sewer main was flushed to remove the blockage caused by grease and roots.		29 1 ✓	N/A	BA/Grease Control
12/11/04 4144 OAKLAND DR 2/10/05 5001 MALONEYVILLE RD	KUW First Creek 2 MH 39-4, 39-44 & 39-4 EB NEKUD 101 MH 93-10	Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by debris.	00	1 × 4 ×	Construction Completed Future Construction Planned	BA
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.		0.5	N/A	Changes to SOP and Operator Training
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.		21 🗸	Construction Completed	BA
2/21/05 600 N GALLAHER VIEW RD 2/22/05 2015 NEYLAND DRIVE	FC Fourth Creek 32A MH 77 KUW Third Creek 35B #6 Digester	Heavy rainfall in the area resulted in high flows in the collection system.		20 ✓ .17	Construction Completed N/A	N/A Changes to SOB and Operator Training
2/22/05 125 TILLERY DR	KUW Third Creek 35B #6 Digester KUW Second Creek 10 MH 16-6	Foaming in the #6 digester resulted in a spill. Standard operating procedures are addressing the problem. The sewer main was flushed to remove the blockage caused by grease.		3	N/A N/A	Changes to SOP and Operator Training BA/Grease Control
3/10/05 5241 BENT RIVER BOULEVARD	FC Fourth Creek 43 Residential Grinder Pur	The residential grinder pump station failed and was replaced.	20	5	N/A	Repair Completed
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.).1	N/A	Changes to SOP and Operator Training
3/28/05 1500 LYONS BEND RD (4TH CREEK) 3/28/05 438 MARYVILLE PIKE	FC Fourth Creek 37 Influent Structure KUW South Knoxville 39 MH 30	processes. Heavy rainfall in the area resulted in high flows in the collection system.	50,410 32	2 *	N/A Construction Completed	N/A BA
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	<u>4</u> ✓	Construction Completed	BA
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.		20 ✓	Construction Completed	N/A
4/2/05 2015 NEYLAND DRIVE 4/4/05 3741 EAKERS ST	KUW Third Creek 35B Secondary Junction Bo KUW South Knoxville 40 MH 47-1	During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow. Heavy rainfall in the area resulted in high flows in the collection system.	9,000 1	1.5 4 ✓	Future Construction Planned (CCP Storage) Future Construction Planned	Changes to SOP and Operator Training N/A
4/4/05 3741 EAKERS ST 4/13/05 600 N GALLAHER VIEW RD	FC Fourth Creek 32A MH 77	Heavy rainal in the area resulted in high flows in the collection system.		4 ♥ 43 ✓	Construction Completed	N/A N/A
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
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	ВА
5/20/05 436 MARYVILLE PIKE	KUW South Knoxville 39 MH 29-2 FC Fourth Creek 32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system.		2 ✓ 75 ✓	Construction Completed	BA
5/20/05 600 N GALLAHER VIEW RD 5/20/05 2015 NEYLAND DRIVE	FC Fourth Creek 32A MH 77 KUW Third Creek 35B Primaries # 3-4 Influent B	Heavy rainfall in the area resulted in high flows in the collection system. Tes During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.		.75 ✓ .17	Construction Completed Future Construction Planned (CCP Storage)	N/A Changes to SOP and Operator Training
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.		1 ✓	Future Construction Planned	N/A
6/6/05 751 MURRAY DR	KUW Third Creek 9 Grinder Pump	The residential grinder pump was replaced.		1	N/A	Repair Completed
6/10/05 7620 BUD HAWKINS RD 7/7/05 428 MARYVILLE PIKE	EB NEKUD 101 Wetwell KUW South Knoxville 39 MHs 29-2 & 30	Equipment damaged by lightning strike was repaired and the station was returned to service.	2,880	1 2 ✓	N/A Construction Completed	Repair Completed BA
7/19/05 600 N GALLAHER VIEW RD	FC Fourth Creek 32A MH 29-2 & 30	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.		3 1	Construction Completed Construction Completed	N/A
8/23/05 2015 NEYLAND DRIVE	KUW Third Creek 35B Kuwahee WWTP Digester	VIH Pipe capacity was exceeded with normal supernatant flow and sludge dewatering contractor discharge.	0 0	.08	N/A	Changes to SOP and Operator Training
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.	<u> </u>	2 5 ✓	N/A	Repair Completed
10/31/05 5001 MALONEYVILLE RD 1/2/06 5315 BENT RIVER BOULEVARD	EB NEKUD 109 MH 93-10 FC Fourth Creek 43 Grinder Pump	The sewer main was flushed to remove the blockage caused by debris. The residential grinder pump was replaced after the mechanical failure of the pump.		1.5 ✓ 2	Future Construction Planned N/A	BA Repair Completed
1/2/06 2111 COVE VIEW WAY	FC Fourth Creek 43 Grinder Pump	The residential grinder pump was repraced after the electrical failure of the pump.		4	N/A	Repair Completed
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 1	Construction Completed	BA
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.		.75 🗸	Construction Completed	BA
1/17/06 4713 OLD BROADWAY 1/26/06 4713 OLD BROADWAY	KUW First Creek 7 MH 2 KUW First Creek 7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system. A KUB CIPP contractor turned off a bypass pump before unplugging the sewer main.	210	2 ✓ 1 ✓	Construction Completed Construction Completed	BA
3/12/06 2907 GINNBROOKE LANE	KUW Knob Creek 47 Pump Station Wetwel	A KOB CIPP Contraction turner on a oppass pump berier employing the seven main.		1 ✓ 1 ✓	Construction 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	0.5	N/A	BA
4/4/06 5105 BALL ROAD	FC Fourth Creek 49 Ruptured Force Main	The force main was repaired.		52	N/A	Repair Completed
4/8/06 436 MARYVILLE PIKE 4/8/06 600 N. GALLAHER VIEW ROAD	KUW South Knoxville 39 MH 29-2 FC Fourth Creek 32A MH 77	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	000	1 ✓ 17 ✓	Construction Completed Construction Completed	BA N/A
4/8/06 4713 OLD BROADWAY	KUW First Creek 7 MH 2	Heavy rained in the area resulted in high flows in the collection system.		12 Ý	Construction Completed	BA
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
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.		3	N/A	BA
4/22/06 436 MARYVILLE PIKE 4/22/06 4713 OLD BROADWAY	KUW South Knoxville 39 MHs 29-2 & 30 KUW First Creek 7 MH 2	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.		6 ✓ 12 ✓	Construction Completed Construction Completed	BA
4/22/06 4/13/0ED BROADWAT 4/24/06 600 N. GALLAHER VIEW ROAD	FC Fourth Creek 32A MH 77	Heavy rainal in the area resulted in high flows in the collection system.		6 V	Construction Completed	N/A
6/7/06 8530 CROSSWIND LANDING LANE	EB Eastbridge 110 Wetwell	There was a failure of the electronic level controls.		0.5	N/A	Repair Completed
	EB Eastbridge 113 Wetwell	Heavy rainfall in the area resulted in high flows in the collection system. The electronic failures at the Woodson Drive Pump Station were repaired.	800	1	Construction Completed N/A	N/A
			500	1	N/A	Repair Completed
8/4/06 2600 WOODSON DRIVE	KUW South Knoxville 44 MH 2-1 KUW Third Creek 11 Lateral Cleanout			4	N/A	BA/Grease Control
	KUW Third Creek 11 Lateral Cleanout KUW Knob Creek 41 Pump Station Wetwel	The sever main was fushed to remove the blockage caused by grease and roots. Rainfall amounts between 3.95° & 5.05° fell across the service area producing I & I and high flows in the sever mains.	750			BA/Grease Control N/A
8/4/06 2600 WOODSON DRIVE 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 9000 8640	4	N/A	

Date Str	reet # S	itreet	Plant	Watershed	Basin	Overflow Location Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Ho	Durs) Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)
1/19/01 4/13/01			KUW	First Creek South Knoxville	2 40	MH 39-4 MH 1-43	Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris.	2000	4		N/A Construction Completed	BA BA/Grease Control
		YONS 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
			KUW	South Knoxville Third Creek	39 35B	MHS 29-2 & 30 Secondary Junction Box	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains. The secondary splitter box momentarily overflowed when the intermediate storage tanks filled to their maximum capacity.	71904 50	16 0.008	✓	Construction Completed N/A	BA
			-	Fourth Creek	356	MH 36	The secondary spitter box momentum overnowed when the memory and the second spitter maximum capacity. Rainfall amounts between 3.5% 45.05% fell across the service area producing I & I and high flows in the sewer mains.	4320	8		Construction Underway	Changes to SOP and Operator Training BA
			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
			KUW KUW	First Creek Knob Creek	7 47	MH 29-9 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. Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	1440 2250	6 0.75	~	N/A Construction Completed	BA N/A
				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	1	Construction Completed	N/A
		DLD BROADWAY S. CHILHOWEE DRIVE	KUW LC	First Creek Loves Creek	20	MH 2 MH 25	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains. Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	197712 2160	6	~	Construction Completed Future Construction Planned	BA
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
		E E E E E E E E E E E E E E E E E E E	KUW	First Creek Third Creek	18 22	MHS 15 & 16 MH 18-3	The sewer main was flushed to remove the blockage caused by roots and influenced by heavy rainfall. Heavy rainfall in the area resulted in high flows in the collection system.	6209 5100	6	✓ ✓	Future Construction Planned	BA
				South Knoxville	40	MH 39	Heavy rainfail in the area resulted in high flows in the collection system.	720	4	✓ ×	Future Construction Planned	N/A
		-	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
			KUW	Third Creek First Creek	35A 4	MH 1 Lateral Cleanout	Partial closure of the influent gate due to a temporary mechanical failure of the influent barscreens. The sewer main was flushed to remove the blockage caused by grease.	160000 31	0.33		N/A N/A	Changes to SOP and Operator Training B A / Grease Control
			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	BA
			KUW KUW	First Creek First Creek	18 7	MH 41-2 Cleanout	The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by roots and debris.	240 30	1		N/A N/A	B A / Grease Control B A
			KUW	Third Creek	29	MH 8-50	The sever main was fushed to remove the blockage caused by roots.	180	1	~	N/A	Repair Complete
			KUW	Third Creek	11	Cleanout	There was no apparent cause found. Contractor flushing and a missing cleanout cap is the probable scenario.	112	1		N/A	BA
			KUW	Second Creek First Creek	23 8	MH 19-187 MH 35	The sewer main was flushed to remove the blockage caused by grease. The sewer main was physically cleaned and flushed to remove the blockage caused by debris and due to vandalism.	120 452,520	1 108		N/A N/A	B A / Grease Control Repair Complete
			-	Second Creek	23	Private MH	The seven main was physically dealed and marked to remove the blockage caused by geoins and due to vandarism. These were main was flushed to remove the blockage caused by geoses.	432,320	2		N/A	B A
			KUW	First Creek	30	MH 14-3	The sewer main was flushed to remove the blockage caused by debris.	400	3		N/A	BA
			KUW	First Creek Third Creek	4 11	MH 18-24 MH 48-25	The sewer main was physically cleaned and flushed to remove the blockage caused by debris and due to vandalism. The sewer main was flushed to remove the blockage caused by grease, roots and debris.	3,600 4,100	5		N/A N/A	Repair Complete B A / Grease Control
2/22/07	1110 V	VOODCREST DRIVE	KUW	First Creek	7	MH 29-22	The sewer main was flushed to remove the blockage caused by roots and debris.	240	1		N/A	B A
			LC	Loves Creek	105	Ruptured Force Main	A private contractor ruptured 6 6° force main during an excevation.	16	1		N/A	Repair Complete
			KUW	Third Creek Third Creek	11 35B	MH 5-2 MH 1	The sewer main was flushed to remove the blockage caused by roots. Widespread power outages due to high winds resulted in a total power loss to the plant for 130 minutes.	240	1.5	✓	N/A N/A	B A Repair Complete
		IEYLAND 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
				South Knoxville Williams Creek	39 25	Leaking Joint MH 4-56	There was a small leak at a pipe joint during a surcharge event caused by widespread power outages due to high winds. The sewer main was flushed to remove the blockage caused by grease and debris.	15	1		Construction Completed	N/A B A / Grease Control
			KUW	Third Creek	23	Abandoned Lateral	The sever main was instruction to the blockage caused by grease and debris. The sever main was flushed to remove the blockage caused by roots and debris.	108 1,500	5		N/A N/A	B A / Glease Control
			KUW	Third Creek	22	Lateral	The sewer main was flushed to remove the blockage caused by grease and roots.	375	1		N/A	B A / Grease Control
		VILLMANN LANE EFFERSON AVENUE		Fourth Creek Williams Creek	36 19	Lateral and BBU BBU MH 5-75	The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by roots.	1,575 30	4		N/A Construction Completed	B A B A
				South Knoxville	39	Abandoned Lateral	An open, abandoned lateral was found in a wet-weather conveyance adjacent to the sewer main.	2,588	1		N/A	Repair Complete
			EB	Eastbridge	114	MH 65-10	The sewer main was flushed to encove the blockage caused by debris.	180	1		N/A	BA
			KUW FC	First Creek Fourth Creek	17 43	MH 4-113 Leaking LP Force Main	The sewer main was flushed to remove the blockage caused by grease. There was a small leak on a low-pressure force main.	20,950	24		N/A N/A	B A / Grease Control Repair Complete
5/22/07	8413 V	VASHINGTON PIKE	EB		111	Leaking LP Force Main	There was a small leak on a low-pressure force main.	5	2		N/A	Repair Complete
				Williams Creek	31	MH 16-2	The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris.	711	2	✓	N/A N/A	B A / Grease Control B A
				Second Creek Williams Creek	23 19	Leaking Pipe MH 21-3	The sever minim was itusted to remove the blockage caused by debris.	Unknown 160	Unknown 1	1	Construction Completed	BA
6/6/07			KUW	First Creek	2	Grease Trap	The sewer main was flushed to remove the blockage caused by grease and debris.	19	1.5		N/A	B A / Grease Control
				South Knoxville Fourth Creek	40 37	Leaking Force Main Leaking Valve	There was a small leak on a force main. There was a leak from a valve on a sludge line.	31 25	2 0.58		N/A N/A	Repair Complete Repair Complete
6/10/07	2111 C	COVE VIEW WAY	FC	Fourth Creek	43	Residential Grinder Pump	There was a failure at a KUB-owned grinder pump station.	2	1.5		N/A	Repair Complete
				South Knoxville	40	Leaking Force Main	There was a leak on a force main near the pump station. The sewer main was flushed to remove the blockage caused by debris.	225	5		N/A N/A	Repair Complete B A
			KUW	First Creek Second Creek	30 15	Leaking Lateral	The server main was instance to remove the blockage caused by dents.	30	1		N/A N/A	BA
	-		KUW	First Creek	8	MH 7-144	The sewer main was flushed to remove the blockage caused by grease.	288	2		N/A	B A / Grease Control
			KUW FC	First Creek Fourth Creek	2	MH 67-154 MH 22-74	The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris.	19,635 16,560	24 72		N/A N/A	B A B A
7/14/07			KUW	First Creek	4	MH 22-45	The sewer main was flushed to remove the blockage caused by debris.	7,967	10		N/A	BA
			KUW	First Creek	18	MH 20-8	The sewer main was flushed to remove the blockage caused by grease and roots.	2,962	5.5		N/A	B A / Grease Control
		IALONEYVILLE ROAD			109 9	MH 93-26 Residential Grinder Pump	The pump station barscreen was cleaned to remove the blockage caused by heavy debris. The residential grinder pump had a mechanical failure.	3,000 50	1.5	×	Construction Completed N/A	N/A Repair Complete
				Third Creek	29	MH 8-50	The sever main was repaired.	10	2	✓	N/A	Repair Complete
				Second Creek		MH 20-2	The sewer main was flushed to remove the blockage caused by grease and roots.	108	1		N/A	B A / Grease Control
				Eastbridge Williams Creek	109 19	MH 93-26 MH 8	The pump station barscreen was cleaned to remove the blockage caused by heavy debris. The sewer main was flushed to remove the blockage caused by grease.	1,440 540	2	×	Construction Completed Construction Completed	N/A B A / Grease Control
9/15/07	325 P	ELHAM ROAD	KUW	Williams Creek	19	Leaking Force Main	There was a leak on a 6* force main.	90	1		N/A	Repair Complete
				Knob Creek Second Creek	41 354	Cut Force Main End-of-Line	A contractor cut the pump station force main.	4,500	1.5	<u> </u>	Future Construction Planned N/A	Repair Complete B A
				Third Creek	35A 11	Lateral Cleanout	The sewer main was repaired and flushed to remove the blockage caused by debris. The sewer main was repaired and flushed to remove the blockage caused by grease.	50	1		N/A N/A	B A / Grease Control
10/5/07	4435 S	HANGRI-LA DRIVE	LC	Loves Creek		MH 29-355	The sewer main was flushed to remove the blockage caused by grease and roots.	5	1		N/A	B A / Grease Control
				Fourth Creek Loves Creek	33 66	MH 53-8 Leaking Force Main	The sewer main was flushed to remove the blockage caused by grease. There was a leak on a 8" force main.	360 1,800	1	~	N/A Construction Completed	B A / Grease Control
		OGLESBY ROAD	LC			MH 6-7	The sewer main was flushed to remove the blockage caused by grease.	180	1		N/A	B A / Grease Control
10/21/07	2801 H	IOLBROOK DRIVE	KUW	First Creek	3		The sewer main was flushed to remove the blockage caused by debris.	180	1		N/A Construction Completed	B A N/A
10/21/07 10/24/07	2801 H 100 E	IOLBROOK DRIVE	KUW KUW	First Creek First Creek	30	MH 35			-			N/A
10/21/07 10/24/07 10/27/07	2801 H 100 E 1338 C	IOLBROOK DRIVE MAGNOLIA AVENUE	KUW KUW	First Creek	•	Leaking Force Main	There was a leak on a 8" force main. The leaking check valve on the residential grinder pump station was repaired.	1,125 25	3 3	~	N/A	Repair Complete
10/21/07 10/24/07 10/27/07 11/3/07 11/19/07	2801 H 100 E 1338 C 7220 W	IOLBROOK DRIVE E. MAGNOLIA AVENUE JGLESBY ROAD VASHINGTON PIKE EHEROKEE BLUFF DRIVE	KUW KUW LC EB KUW	First Creek First Creek Loves Creek Eastbridge South Knoxville	30 66 109		The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by roots.				N/A N/A	Repair Complete B A
10/21/07 10/24/07 10/27/07 11/3/07 11/19/07 11/27/07	2801 H 100 E 1338 C 7220 W 2021 C 6410 D	IOLBROOK DRIVE .: MAGNOLIA AVENUE JGLESBY ROAD VASHINGTON PIKE .:HEROKEE BLUFF DRIVE DEANE HILL DRIVE	KUW KUW LC EB KUW FC	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek	30 66 109 39 33	Leaking Force Main Leaking Check Valve MH 27-280 MH 1-26	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by grease.	25 77 180	3 1.5 1		N/A N/A N/A	B A B A / Grease Control
10/21/07 10/24/07 10/27/07 11/3/07 11/19/07 11/27/07 11/27/07	2801 H 100 E 1338 C 7220 W 2021 C 6410 D 217 L	IOLBROOK DRIVE I. MAGNOLIA AVENUE OJCLESBY ROAD VASHINGTON PIKE HEROKEE BLUFF DRIVE DEANE HILL DRIVE INFORD ROAD	KUW KUW LC EB KUW FC	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek Knob Creek	30 66 109 39	Leaking Force Main Leaking Check Valve MH 27-280 MH 1-26 Leaking Force Main	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by grease. There was a leak on a 12° force main.	25 77 180 95	3 1.5 1 1		N/A N/A N/A N/A	B A B A / Grease Control Repair Complete
10/21/07 10/24/07 10/27/07 11/3/07 11/19/07 11/27/07 11/27/07 11/27/07 11/30/07 12/26/07	2801 H 100 E 1338 C 7220 W 2021 C 6410 D 217 L 4450 H 1811 E	KOLBROOK DRIVE	KUW KUW LC EB KUW FC KUW KUW KUW	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek Knob Creek Third Creek First Creek	30 66 109 39 33 41 11 24	Leaking Cherce Main Leaking Cherck Valve MH 27-280 MH 1-26 Leaking Force Main MH 20-21 MH 25-52 & 25-53	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by grease. There was a leak on a 12" force main. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by grease.	25 77 180 95 135 720	3 1.5 1 1 0.75 2		N/A N/A N/A N/A N/A N/A	B A B A / Grease Control Repair Complete B A / Grease Control B A / Grease Control
10/21/07 10/24/07 10/27/07 11/3/07 11/19/07 11/27/07 11/27/07 11/20/07 12/26/07 12/26/07	2801 H 100 E 1338 C 7220 W 2021 C 6410 D 217 L 4450 H 1811 E 5922 G	IOLBROOK DRIVE IMAGNOLIA AVENUE SOLESBY ROAD VASHINGTON PIKE DEANE HILL DRIVE DEANE HILL DRIVE INFORD ROAD INFORD ROAD SAST GLENWOOD AVENUE RAY GABLES DRIVE	KUW KUW LC EB KUW FC KUW KUW KUW FC	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek Knob Creek Third Creek First Creek Fourth Creek	30 66 109 39 33 41 11 24 49	Leaking Force Main Leaking Check Valve MH 27-280 MH 1-26 Leaking Force Main MH 20-12 MHs 25-52 & 25-53 Lateral Cleanout	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by debris.	25 77 180 95 135 720 62	3 1.5 1 1 0.75 2 1		N/A N/A N/A N/A N/A N/A N/A N/A	B A B A / Grease Control Repair Complete B A / Grease Control B A / Grease Control B A
10/21/07 10/24/07 10/27/07 11/3/07 11/3/07 11/27/07 11/27/07 11/20/07 12/26/07 12/28/07	2801 H 100 E 1338 C 7220 W 2021 C 6410 D 217 L 4450 H 1811 E 5922 G 4315 R	IOLBROOK DRIVE IMAGROLIA AVENUE SOLESBY ROAD VASHINGTON PIKE HEROKEE BLUFF DRIVE DEANE HILL DRIVE INFORD ROAD IOLIDAY BOULEVARD AST GLENWOOD AVENUE SRAY GABLES DRIVE UTLEDGE PIKE	KUW KUW LC EB KUW FC KUW KUW KUW FC LC	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek Knob Creek Third Creek First Creek	30 66 109 39 33 41 11 24	Leaking Cherce Main Leaking Cherck Valve MH 27-280 MH 1-26 Leaking Force Main MH 20-21 MH 25-52 & 25-53	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by grease. There was a leak on a 12° force main. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The commercial grinder pump station was repaired. There was a leak on a 8° force main.	25 77 180 95 135 720	3 1.5 1 1 0.75 2		N/A N/A N/A N/A N/A N/A	B A B A / Grease Control Repair Complete B A / Grease Control B A / Grease Control
10/21/07 10/24/07 10/27/07 11/3/07 11/3/07 11/27/07 11/27/07 11/20/07 12/26/07 12/26/07 12/28/07 12/29/07 1/5/08	2801 H 100 E 1338 C 7220 W 2021 C 6410 D 217 L 4450 H 1811 E 5922 G 4315 R 1338 C 2513 S	IOLBROOK DRIVE IMAGROLIA AVENUE GOLESBY ROAD VASHINGTON PIKE HEROKEE BLUFF DRIVE DEANE HILL DRIVE INFORD ROAD INFORD ROAD AUDIDAY BOULEVARD AST GLENWOOD AVENUE SRAY GABLES DRIVE UTLEDGE PIKE JGLESBY ROAD ABLE ONIT LANE	KUW KUW LC EB KUW FC KUW KUW KUW FC LC LC	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek Knob Creek First Creek Fourth Creek Loves Creek Loves Creek	30 66 109 39 33 41 11 24 49 20 66 105	Leaking Force Main Leaking Check Valve MH 27-280 MH 1-26 Leaking Force Main MH 20-12 MHs 25-52 & 25-53 Lateral Cleanout Grinder Pump Falture Leaking Force Main MH 48-3	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. There was a leak on a 12° force main. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The commercial grinder pump station was repaired. The rewas a leak on a 8° force main. A contractor did not removed a sewer plug during a construction project.	25 77 180 95 135 720 62 8 32,400 39,000	3 1.5 1 1 0.75 2 1 1 3 72		N/A N/A N/A N/A N/A N/A N/A N/A Construction Completed N/A	B A B A / Grease Control Repair Complete B A / Grease Control B A / Grease Control B A Repair Complete N/A Repair Completed
10/21/07 10/24/07 10/27/07 11/3/07 11/3/07 11/27/07 11/27/07 11/27/07 11/22/07 12/26/07 12/26/07 12/28/07 12/28/07 12/28/07 1/5/08	2801 H 100 E 1338 C 7220 W 2021 C 6410 D 217 L 4450 H 1811 E 5922 G 4315 R 1338 C 2513 S 1530 L	IOLBROOK DRIVE IMAGROLIA AVENUE SOLESBY ROAD VASHINGTON PIKE HEROKEE BLUFF DRIVE DEANE HILL DRIVE INFORD ROAD IOLIDAY BOULEVARD IOLIDAY BOULEVARD IOLIDAY BOULEVARD RAY GABLES DRIVE RUTLEDGE PIKE SOLESBY ROAD ABBLE POINT LANE OUISIANA AVENUE	KUW KUW LC EB KUW FC KUW KUW FC LC LC LC KUW	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek Third Creek Third Creek Loves Creek Loves Creek Loves Creek Loves Creek	30 66 109 39 33 41 11 24 49 20 66 105 22 2	Leaking Check Valve MH 27-280 MH 1-26 Leaking Force Main MH 20-12 MHs 25-52 & 25-53 Lateral Cleanout Grinder Pump Failure Leaking Force Main MH 48-3 Abandoned Lateral	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by grease. There was a leak on a 12° force main. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris. The commercial grinder pump station was repaired. There was a leak on a 8° force main. A contractor did not removed a sewer plug during a construction project. The sewer main was manually-cleaned and flushed to remove the blockage caused by heavy debris.	25 77 180 95 135 720 62 8 32,400 33,000 6,800	3 1.5 1 1 0.75 2 1 1 1 3 72 4		N/A N/A N/A N/A N/A N/A N/A Construction Completed N/A N/A	B A B A / Grease Control Repair Complete B A / Grease Control B A / Grease Control B A Repair Complete N/A Repair Complete BA BA
10/21/07 10/24/07 10/27/07 11/3/07 11/3/07 11/27/07 11/27/07 11/20/07 12/26/07 12/26/07 12/28/07 12/28/07 12/28/07 12/28/07 15/08 17//08	2801 H 100 E 1338 C 7220 W 2021 C 6410 D 217 L 4450 H 1811 E 5922 G 4315 R 1338 C 2513 S 1530 L 7912 L	IOLBROOK DRIVE I: MAGNOLIA AVENUE OGLESBY ROAD VASHINGTON PIKE CHEROKEE BLUFF DRIVE EANE HILL DRIVE INFORD ROAD IOLIDAY BOULEVARD AST GLENWOOD AVENUE SRAY GABLES DRIVE RUTLEDGE PIKE GGLESBY ROAD ABLE POINT LANE OUISIANA AVENUE IVINGSTON DRIVE	KUW KUW LC EB KUW FC KUW KUW FC LC LC LC KUW	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek Knob Creek First Creek Fourth Creek Loves Creek Loves Creek	30 66 109 39 33 41 11 24 49 20 66 105	Leaking Force Main Leaking Check Valve MH 27-280 MH 1-26 Leaking Force Main MH 20-12 MHs 25-52 & 25-53 Lateral Cleanout Grinder Pump Falture Leaking Force Main MH 48-3	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. There was a leak on a 12° force main. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The commercial grinder pump station was repaired. The rewas a leak on a 8° force main. A contractor did not removed a sewer plug during a construction project.	25 77 180 95 135 720 62 8 32,400 39,000	3 1.5 1 1 0.75 2 1 1 3 72		N/A N/A N/A N/A N/A N/A N/A N/A Construction Completed N/A	B A B A / Grease Control Repair Complete B A / Grease Control B A / Grease Control B A Repair Complete N/A Repair Completed B A B A B A B A
10/21/07 10/24/07 10/27/07 11/3/07 11/3/07 11/27/07 11/27/07 11/27/07 11/27/07 12/26/07 12/28/07 12/28/07 12/28/07 12/28/07 15/08 1/7/08 1/8/08 1/22/08	2801 H 100 E 1338 C 7220 W 2021 C 6410 D 217 L 4450 H 1811 E 5922 G 4315 R 1338 C 2513 S 1530 L 7912 L 624 S 501 N	IOLBROOK DRIVE IMAGNOLIA AVENUE SOLESBY ROAD VASHINGTON PIKE DEANE HILL DRIVE DEANE HILL DRIVE INFORD ROAD INFORD ROAD IOLIDAY BOULEVARD SAST GLENWOOD AVENUE RAY GABLES DRIVE UTLEDGE PIKE UTLEDGE PIKE UTLEDGE PIKE OUISIANA AVENUE IVINGSTON DRIVE OUISIANA AVENUE IVINGSTON DRIVE IOELTON DRIVE	KUW KUW LC EB KUW FC KUW KUW FC LC LC LC LC KUW FC KUW KUW	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek Third Creek First Creek Loves Creek Loves Creek Loves Creek Third Creek Third Creek Third Creek Knob Creek	30 66 109 39 33 41 11 24 49 20 66 105 22 42 41 38	Leaking Croce Main Leaking Croce Main MH 27-280 MH 1-26 Leaking Force Main MH 20-12 MHs 25-52 & 25-53 Lateral Cleanout Grinder Pump Failure Leaking Force Main MH 48-3 Abandoned Lateral MH 28-1 Lateral Cleanout MH 50-7	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by grease. There was a leak on a 12° force main. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by debris. The commercial grinder pump station was repaired. There was a leak on a 8° force main. A contractor did not remove the sever main was flushed to remove the blockage caused by debris. The sewer main was manually-cleaned and flushed to remove the blockage caused by heavy debris. The sewer main was flushed to remove the blockage caused by heavy debris. The sewer main was flushed to remove the blockage caused by heavy debris. The sewer main was flushed to remove the blockage caused by nots and debris. Evidence indicates that the SSD occurred during the air test of a new main by a rehabilitation contractor. The sewer main was flushed to remove the blockage caused by rease.	25 77 180 95 135 720 62 8 32,400 39,000 6,800 120 249 180	3 1.5 1 1 0.75 2 1 1 3 72 4 1 1 1 1		N/A	B A B A / Grease Control Repair Complete B A / Grease Control B A / Grease Control B A Repair Complete N/A Repair Completed B A B A Repair Completed Repair Completed Repair Completed
10/21/07 10/24/07 10/27/07 11/3/07 11/3/07 11/27/07 11/27/07 11/27/07 11/27/07 12/26/07 12/26/07 12/28/07 12/28/07 12/28/07 15/08 17/708 17/708 17/808 17/28/08	2801 H 100 E 1338 C 7220 W 2021 C 6410 D 217 L 4450 H 1811 E 5922 C 4315 R 1338 C 2513 S 1530 L 7912 L 624 S 501 N 509 T	IOLBROOK DRIVE I: MAGNOLIA AVENUE OLESBY ROAD VASHINOTON PIKE CHEROKEE BLUFF DRIVE CHEROKEE BLUFF DRIVE CHEROKEE BLUFF DRIVE CHEROKEE DRIVE CHEROKEE DRIVE CHEROKEE DRIVE CHEROKEE DRIVE CHEROKEE CHEROKEEE CHEROKEEEEC CHEROKEEE CHEROKEEEC CHEROKEEEEC CHEROKEEEEC CHEROKEEEEC CHEROKEEEEC CHEROKEEEEC CHEROKEEEECEEECEECEECEECEECEECEECEECEEECEEEC	KUW KUW LC EB KUW FC KUW KUW KUW KUW KUW KUW FC LC LC LC KUW FC KUW FC KUW FC KUW KUW KUW	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek Knob Creek First Creek Fourth Creek Loves Creek Loves Creek Third Creek Third Creek Second Creek	30 66 109 39 33 41 11 24 49 20 66 105 22 42 41 38	Leaking Force Main Leaking Check Valve MH 27-280 MH 1-26 Leaking Force Main MH 20-12 MH 25-52 & 25-53 Lateral Cleanout Grinder Pump Failure Leaking Force Main MH 48-3 Abandoned Lateral MH 28-1 Lateral Cleanout MH 20-7 MH 24-48	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by grease. There was a leak on a 12° force main. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was a leak on a 8° force main. The sewer main was flushed to remove the blockage caused by debris. The commercial grinder pump station was repaired. There was a leak on a 8° force main. A contractor did not removed a sewer plug during a construction project. The sewer main was flushed to remove the blockage caused by heavy debris. The sewer main was flushed to remove the blockage caused by roots and debris. Evidence indicates that the SSO occurred during the air test of a new main by a rehabilitation contractor. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris.	25 77 180 95 135 720 62 8 32,400 39,000 6,800 120 249 180 55	3 1.5 1 1 0.75 2 1 1 3 72 4 1 1 1 1 1		N/A N/A N/A N/A N/A N/A N/A Construction Completed N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	B A B A / Grease Control Repair Complete B A / Grease Control B A / Grease Control B A Repair Complete N/A Repair Completed B A B A B A Repair Completed Repair Completed B A/Grease Control
10/21/07 10/24/07 10/27/07 11/3/07 11/3/07 11/27/07 11/27/07 11/27/07 11/27/07 11/27/07 11/27/07 11/27/07 12/26/07 12/26/07 12/26/07 12/26/07 12/26/07 12/26/07 12/26/07 11/20/8 1/22/08 1/22/08 1/22/08	2801 H 100 E 1338 C 7220 W 2021 C 6410 D 217 L 4450 H 1811 E 5922 G 4315 R 1338 C 2513 S 1530 L 7912 L 624 S 501 N 509 T 2101 L	IOLBROOK DRIVE IOLBROOK DRIVE IMAGNOLIA AVENUE OGLESBY ROAD VASHINGTON PIKE DEANE HILL DRIVE DEANE HILL DRIVE INFORD ROAD INFORD ROAD INFORD VENUE SRAY GABLES DRIVE UTLEDGE PIKE OGLESBY ROAD SABLE POINT LANE OUISIANA AVENUE ININGSTON DRIVE IOUTHBROOK DRIVE IOUT	KUW KUW LC EB KUW FC KUW KUW KUW KUW FC LC LC LC LC KUW FC KUW KUW KUW KUW KUW KUW KUW KUW	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek Third Creek Fourth Creek Loves Creek Loves Creek Loves Creek Loves Creek Third Creek Knob Creek Knob Creek Third Creek Second Creek	30 66 109 39 33 41 11 24 49 20 66 105 22 42 41 38 10 358	Leaking Force Main Leaking Check Valve MH 27-280 MH 1-26 Leaking Force Main MH 20-12 MHs 25-52 & 25-53 Lateral Cleanout Grinder Pump Failure Leaking Force Main MH 48-3 Abandoned Lateral MH 48-1 Lateral Cleanout MH 28-1 Lateral Cleanout MH 24-48 MH 23-17	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The commercial grinder pump station was repaired. There was a leak on a 8' force main. A contractor did not removed a sewer plug during a construction project. The sewer main was manually-cleaned and flushed to remove the blockage caused by heavy debris. The sewer main was flushed to remove the blockage caused by notes and debris. Evidence indicates that the SSO occurred during the air test of a new main by a rehabilitation contractor. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and grease.	25 77 180 95 135 720 62 8 32,400 39,000 6,800 120 249 180 55 180	3 1.5 1 1 0.75 2 1 1 3 72 4 1 1 1 1		N/A	B A B A / Grease Control Repair Complete B A / Grease Control B A / Grease Control B A Repair Complete N/A Repair Completed B A B A Repair Completed Repair Completed Repair Completed
10/21/07 10/24/07 10/27/07 11/3/07 11/3/07 11/27/07 11/27/07 11/27/07 11/27/07 12/26/07 12/26/07 12/26/07 12/28/07 12/28/07 12/29/07 15/08 172/08 172/08 122/08 1/28/08 1/29/08 2/4/08 2/5/08	2801 H 100 E 1338 C 7220 V 2021 C 6410 D 217 L 4450 H 1811 E 5922 G 4315 R 1338 C 2513 S 1530 L 7912 L 624 S 501 N 509 T 2101 L 516 N 1338 C	IOLBROOK DRIVE IDENCIFICATION DRIVE IDENCIFICATION	KUW KUW LC EB KUW FC KUW KUW KUW KUW FC LC LC LC KUW FC KUW FC KUW FC KUW KUW KUW KUW KUW LC LC LC	First Creek First Creek Loves Creek Eastbridge South Knoxville Fourth Creek Knob Creek First Creek Fourth Creek Loves Creek Loves Creek Loves Creek Third Creek Second Creek Third Creek Second Creek Loves Creek	30 66 109 39 33 31 11 11 24 9 20 66 105 22 42 41 38 10 35B 20 66 66	Leaking Force Main Leaking Check Valve MH 27-280 Leaking Force Main MH 20-12 MHs 25-52 & 25-53 Lateral Cleanout Grinder Pump Failure Leaking Force Main MH 48-3 Abandoned Lateral MH 28-1 Lateral Cleanout MH 28-1 MH 28-1 MH 28-1 Lateral Cleanout MH 28-1 MH 28-1	The leaking check valve on the residential grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by rocts. The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris. The commercial grinder pump station was repaired. The sewer main was flushed to remove the blockage caused by heavy debris. The sewer main was flushed to remove the blockage caused by heavy debris. The sewer main was flushed to remove the blockage caused by roots and debris. Evidence indicates that the SSO occurred during the air test of a new main by a rehabilitation contractor. The sewer main was flushed to remove the blockage caused by roots and gerase. The sewer main was flushed to remove the blockage caused by roots and gerase. The sewer main was flushed to remove the blockage caused by roots and gerase. The sewer main was flushed to remove the blockage caused by roots and gerase. The sewer main was flushed to remove the blockage caused by roots	25 77 180 95 135 720 62 8 32,400 39,000 6,800 120 249 180 55 180 180 55	3 1.5 1 1 0.75 2 1 1 1 1 3 72 4 1 1 1 1 1 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1		N/A N/A N/A N/A N/A N/A N/A Construction Completed N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	BA BA / Grease Control Repair Complete BA / Grease Control BA / Grease Control BA Repair Complete N/A Repair Completed BA Repair Completed BA/Grease Control N/A BA Repair Completed BA
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Date Street # Street	Plant Watershed Basir	Overflow Location Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	uration (Hours) withi mor	ed two e times Long-Term Capital Project n 12	Short-Term Controls Blockage Abatement (BA)
1/19/01 OAKLAND DR & BEVERLY RD 4/13/01 614 SEVIER AVE	KUW First Creek 2 KUW South Knoxville 40	MH 39-4 MH 1-43	Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris.	2000 1200	4	N/A Construction Completed	BA BA/Grease Control
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
2/21/08 1105 PARK HILL CIRCLE 2/21/08 4257 SKYLINE DRIVE	FC Fourth Creek 27 LC Loves Creek 20	MH 49-87 MH 47-15	The sewer main was flushed to remove the blockage caused by grease. The sewer main was physically cleaned and flushed to remove the blockage caused by debris and due to vandalism.	145	2 0.5	N/A N/A	BA/Grease Control Repair Completed
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
3/3/08 2108 BELCARO DRIVE 3/11/08 4623 WEBB LANE	KUW First Creek 4 KUW Third Creek 21	MH 18-117 Lateral Cleanout	The sewer main was flushed to remove the blockage caused by debris. The sewer lateral was flushed to remove the blockage caused by debris.	1 180	0.25	N/A N/A	BA Repair Completed
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 N/A	BA Bapair Campleted
3/24/08 5219 BENT RIVER BOULEVARD 3/25/08 4710 MURPHY ROAD	FC Fourth Creek 43 KUW First Creek 2	Wetwell & BBU Wetwell	The mechanical failure of the residential grinder pump was repaired. The mechanical failure of the residential grinder pump was repaired.	15 14	2	N/A	Repair Completed Repair Completed
3/26/08 3706 ROBERTS ROAD 3/28/08 1801 EAST FIFTH AVENUE	EB Eastbridge 113 KUW First Creek 24		The force main was repaired.	810 Unknown	2 Unknown	N/A N/A	Repair Completed Repair Completed
3/30/08 5315 BENT RIVER BOULEVARD	FC Fourth Creek 43		The leaking pipe was repaired. The electrical breaker on the residential grinder pump station was turned back on.	50	4	N/A	Repair Completed
4/8/08 2201 LAKE AVENUE 4/14/08 3913 ROBERTS ROAD	KUW Third Creek 35B EB Eastbridge 113		The sewer main was flushed to remove the blockage caused by grease. The force main was repaired.	110 783	1 0.05	N/A N/A	BA/Grease Control Repair Completed
4/14/08 3913 KOBERTS KOAD 4/22/08 1713 DONNINGHAM DRIVE	KUW First Creek 4		The sever main was flushed to remove the blockage caused by roots.	35	3	N/A	BA
4/23/08 5300 AZINGER LANE 5/6/08 2052 DANDRIDGE AVENUE	EB Eastbridge 109 KUW Williams Creek 25	<u> </u>	The force main was repaired. The sewer main was flushed to remove the blockage caused by debris.	47	2 0.25	N/A N/A	Repair Completed BA
5/8/08 2113 MARTHA BERRY DRIVE	KUW First Creek 4	MH 18-116	The sever main was flushed to remove the blockage caused by roots.	230	1	N/A	BA
5/9/08 2907 GINNBROOKE LANE 5/28/08 4144 OAKLAND DRIVE	KUW Knob Creek 47 KUW First Creek 2	Wetwell MHs 39-4,39-44&39-45 and Lateral CO	Electrical power was restored after an outage caused by a strong storm. Heavy rainfall in the area resulted in high flows in the collection system.	1,000 45,655	0.33	Construction Completed 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.	45,655	0.5	Future Construction Planned	N/A
5/30/08 5700 MELSTONE DRIVE 6/11/08 2015 NEYLAND DRIVE	KUW Third Creek 9 KUW Third Creek 35B	3 Lateral Cleanouts MH 4-51	A contractor-owned sewer plug was removed from the sewer main. Line capacity was exceeded by a waste hauler.	150	1 0.02	N/A N/A	Repair Completed Repair Completed
6/12/08 5246 BENT RIVER BOULEVARD	FC Fourth Creek 43		There was a mechanical failure of the residential grinder pump.	25	3	Construction Completed	Repair Completed
6/16/08 4107 ROBERTS ROAD	EB Eastbridge 113		There was a mechanical failure of the residential grinder pump.	6	1	N/A N/A	Repair Completed Repair Completed
6/18/08 1721 IROQUOIS STREET 7/4/08 5241 BENT RIVER BOULEVARD	KUW Williams Creek 25 FC Fourth Creek 43	Leaking Pipe Residential Grinder Pump	There was a leak in the sewer main. There was a mechanical failure of the residential grinder pump.	5	3 4	N/A	Repair Completed
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
7/10/08 2904 MOUNT PLEASANT ROAD 7/20/08 5900 NEUBERT SPRINGS ROAD	KUW Third Creek 50 KUW Knob Creek 41	MH 12-7 Lateral Cleanout	The sewer main was flushed to remove the blockage caused by grease and debris. Debris from a rehabilitation contractor caused a partial blockage. The sewer main was cleared and cleaned.	748 360	4	N/A N/A	BA Repair Completed
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
7/28/08 409 NORTH BELLEMEADE AVENUE 7/30/08 5405 LANCE DRIVE	KUW Third Creek 28 KUW Third Creek 21	MH 3-53 MH 10-85	Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and debris.	300 4,900	1 24	N/A N/A	Repair Completed BA
8/4/08 5246 BENT RIVER BOULEVARD	FC Fourth Creek 43		There was an electrical failure of the residential grinder pump.	29	2.33	Construction Completed	Repair Completed
8/6/08 1019 OGLESBY ROAD 8/7/08 7217 WASHINGTON PIKE	LC Loves Creek 66 EB Eastbridge 109		The contractor was removing a temporary force main and allowed leakage to occur. There was an electrical failure of the residential grinder pump.	38	3	N/A N/A	Repair Completed Repair Completed
8/14/08 5309 ROBERTS ROAD	EB Eastbridge 113		There was a dig-in on the force main during the installation of an electrical power pole.	5,030	2	N/A	Repair Completed
9/4/08 2015 NEYLAND DRIVE 9/6/08 301 E CHURCH AVENUE	KUW Third Creek 35B KUW First Creek 30	Broken Pipe MH 10-11	A sewer main was damaged during excavation for a potable water line. The sewer main was flushed to remove the blockage caused by debris.	50 1,438	0.083	N/A N/A	Repair Completed BA
9/8/08 438 MARYVILLE PIKE	KUW South Knoxville 39		The event was related to a partial failure of the pump-around process during a sewer replacement project.	1,570	12	Construction Completed N/A	Repair Completed
9/28/08 5371 BENT RIVER BOULEVARD 9/30/08 5323 BENT RIVER BOULEVARD	FC Fourth Creek 43 FC Fourth Creek 43		There was an electrical failure of the residential grinder pump. There was a mechanical failure of an improperly-installed residential grinder pump.	120	4 4	N/A N/A	Repair Completed Repair Completed
9/30/08 5915 CASEY DRIVE	FC Fourth Creek 27		The sewer main was flushed to remove the blockage caused by grease and roots.	375	0.25	N/A N/A	BA/Grease Control BA/Grease Control
10/6/08 1211 ROCKY HILL ROAD 10/22/08 438 MARYVILLE PIKE	FC Fourth Creek 36 KUW South Knoxville 39	MH 55 MH 27-2	The sewer main was flushed to remove the blockage caused by grease and roots. The bypass pump was damaged and parts were removed overnight due to vandalism.	217 100,000	8	Construction Completed	Repair Completed
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 N/A	BA
10/24/08 405 MERCHANTS DRIVE 10/29/08 4801 WILKSHIRE DRIVE	KUW Second Creek 5 KUW Third Creek 12	Leaking Joint Cleanout	The sewer main was flushed to remove the blockage caused by grease during a rainfall event. The sewer main was repaired and flushed to remove the blockage caused by a broken pipe.	280	3	N/A	Repair Completed
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
11/5/08 1036 E EMERALD AVENUE 11/9/08 1036 E EMERALD AVENUE	KUW First Creek 17 KUW First Creek 17		The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris.	120	1 •	N/A N/A	Repair Completed Repair Completed
11/9/08 120 MORRELL ROAD	FC Fourth Creek 33		The sewer main was flushed to remove the blockage caused by grease.	240	1	N/A N/A	BA/Grease Control Repair Completed
11/19/08 3600 KENILWORTH LANE 11/22/08 3706 ROBERTS ROAD	LC Loves Creek 6 EB Eastbridge 113	BBU and Service Lateral Leaking LP Lateral	A private contractor installing a gas main bored through the service lateral. An exposed section of service lateral burst upon freezing and was repaired.	19 7	0.017	N/A	Repair Completed
11/27/08 8111 WASHINGTON PIKE	EB Eastbridge 111	3	There was a leak on the low-pressure service lateral.	90	5	N/A	Repair Completed N/A
12/3/08 3413 KINGSTON PIKE 12/3/08 1708 NUMBER TWO DRIVE	KUW Third Creek 29 EB Eastbridge 115	Broken Pipe Leaking ARV	There was a collapsed pipe on an undesignated sewer main. There was a leak from a air release valve on a force main.	200 423	10 4	Future Construction Planned N/A	Repair Completed
12/7/08 4209 LAMOUR DRIVE	KUW Third Creek 28 KUW First Creek 7	MH 16-161	The sewer main was flushed to remove the blockage caused by roots.	30	2	N/A N/A	BA
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. The sewer main was flushed to remove the blockage caused by roots.	561	5	N/A	BA
12/10/08 1210 E. MOODY AVENUE 12/10/08 615 SEVIER AVENUE	KUW South Knoxville 40 KUW South Knoxville 40		Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by debris during heavy rainfall.	1,100	4	Future Construction Planned Construction Completed	N/A BA/Grease Control
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
12/11/08 7112 SHADYLAND DRIVE 12/11/08 1216 WATERCRESS DRIVE	FC Fourth Creek 36 KUW First Creek 7	MH 36 MH 29-9	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	62	1	Construction Underway N/A	BA
12/1/08 8112 AINSWORTH DRIVE	FC Fourth Creek 32B		The sewer main was flushed to remove the blockage caused by roots and debris.	2,160	12	N/A	BA
12/21/08 6902 S. NORTHSHORE DRIVE 1/6/09 3410 BORIGHT DRIVE	FC Fourth Creek 36 KUW First Creek 8	MH 12-62 MHs 42,43,44 & 45	The sewer main was flushed to remove the blockage caused by debris. Heavy rainfall in the area resulted in high flows in the collection system.	360 4,830	1 9.5	N/A Curent 5-Yr Plan	BA N/A
1/6/09 7661 BUD HAWKINS ROAD	EB Eastbridge 113		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	4,830	9.5 • 8	Construction Completed	N/A
1/6/09 2536 CECIL AVENUE 1/6/09 961 EAST FORD VALLEY ROAD	KUW First Creek 18 KUW Knob Creek 41		Heavy rainfall in the area resulted in high flows in the collection system.	4,575	9 v 10 v	Future Construction Planned	BA/Grease Control 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. Heavy rainfall in the area resulted in high flows in the collection system.	60,000 7,400	14.5	Construction Completed	N/A
1/6/09 5103 KINGSTON PIKE 1/6/09 1233 MARYVILLE PIKE	KUW Third Creek 34 KUW South Knoxville 39		Heavy rainfall in the area resulted in high flows in the collection system.	5,600 15,000	11 14.75 v	Future Construction Planned	N/A N/A
1/6/09 1233 MARY VILLE PIKE 1/6/09 4144 OAKLAND DRIVE	KUW South Knoxville 39 KUW First Creek 2	MH 27-115 MHs 39-4,39-44,39-45 & 2 Cleanouts	The sewer main was flushed to remove the blockage caused by debris and was influenced by heavy rainfall. Heavy rainfall in the area resulted in high flows in the collection system.	22,475	11 •	Construction Completed	N/A
1/6/09 7112 SHADYLAND DRIVE	FC Fourth Creek 36		Heavy rainfall in the area resulted in high flows in the collection system.	17,300	24 12 v	Construction Underway Future Construction Planned	BA N/A
1/6/09 203 SOUTH CHILHOWEE DRIVE 1/7/09 701 CEDAR LANE	LC Loves Creek 20 KUW Second Creek 5	MH 25 MH 35-4	Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall.	6,100 37,450	26	N/A	BA
1/7/09 600 NORTH GALLAHER VIEW ROAD 1/7/09 5315 SHANNONDALE ROAD	FC Fourth Creek 32A KUW First Creek 1	MH 77	Heavy rainfall in the area resulted in high flows in the collection system. The storage tank reached capacity.	105,000 5,040	26 14	N/A N/A	N/A BA
1/10/09 5007 ROWAN ROAD	KUW First Creek 1 KUW Second Creek 5	MH 36 MH 17-47	The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall. The sewer main was flushed to remove the blockage caused by roots.	1,080	2	N/A	BA
1/11/09 1110 CLINCH AVENUE	KUW Second Creek 23		The sever main was flushed to remove the blockage caused by roots.	75 1,780	2 3.5	N/A N/A	BA
1/12/09 7105 DULANEY WAY 1/22/09 9027 MASCOT ROAD	FC Fourth Creek 36 EB Eastbridge 114		The sewer main was flushed to remove the blockage caused by roots. There was a leak from air-release valve on a high-pressure force main.	75	1	N/A	Repair Completed
1/29/09 1701 EAST 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 Future Construction Planned	BA N/A
2/4/09 8560 WESTLAND DRIVE 2/7/09 3853 CLUSTER AVENUE	FC Fourth Creek 42 LC Loves Creek 6		There was a leak from air-release valve on a high-pressure force main. The sewer main was flushed to remove the blockage caused by roots.	225 5	4	N/A	BA
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 Future Construction Planned	BA/Grease Control N/A
2/18/09 2600 WOODSON DRIVE 2/20/09 117 SIXTEENTH AVENUE	KUW South Knoxville 44 KUW Second Creek 23		There was an electrical surge and power outage at the pump station during a rainfall event. The sewer main was flushed to remove the blockage caused by grease.	190 255	0.25	Future Construction Planned N/A	N/A BA/Grease Control
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
3/2/09 5101 MALONEYVILLE ROAD 3/4/09 4712 MOSS DRIVE	EB Eastbridge 109 KUW Third Creek 13		The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by grease and roots.	360 250	2 0.5	N/A N/A	BA/Grease Control BA/Grease Control
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
	I/UNV Casard Casali 40	Lateral Cleanout	The sewer main was flushed to remove the blockage caused by debris.	95	3	N/A	BA
3/7/09 1527 WILSON ROAD 3/9/09 1000 OGLEWOOD AVENUE	KUW Second Creek 10 KUW First Creek 16			13	0.5	N/A	BA
37/09 1527 WILSON KOAD 3/9/09 1000 OGLEWOOD AVENUE 3/18/09 4125 GREENWAY DRIVE 3/26/09 6024 BROOKVALE LANE		Lateral Cleanout and BBU Private Sewer Connection	The sewer main was flushed to remove the blockage caused by debris. There was an unconnected private sewer main. Heavy rainfall in the area resulted in high flows in the collection system.		0.5 Unknown		BA N/A N/A

Date Street # Street	Plant Watershed Basir	n Overflow Location Private Property Location	Cause of SSO/KUB Response	Volume (Gallons)	o Duration (Hours) o	Event ccurred two r more times Long-Term Capital Project within 12 months	Short-Term Controls Blockage Abatement (BA)
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
4/13/01 614 SEVIER AVE 3/26/09 1925 ROSEWOOD ROAD	KUW South Knoxville 40 LC Loves Creek 105		The sewer main was flushed to remove the blockage caused by debris. There was a mechanical failure of the commercial grinder pump.	1200	1	Construction Completed N/A	BA/Grease Control Repair Completed
4/13/09 1848 FRATERNITY PARK DRIVE	KUW Third Creek 35B		There was a mecuanical name or une commercial grinner policy. The capacity of the sewer main was exceeded when a swimming poly was drained.	650	2.25	N/A	Repair Completed
4/15/09 811 EDWARDS DRIVE	KUW Knob Creek 41	MH 107	The sever main was flushed to remove the blockage caused by grease.	60	1 6.5	N/A N/A	BA/Grease Control Repair Completed
4/16/09 5032 LYONS VIEW PIKE 4/29/09 1801 LAKE AVENUE	KUW Third Creek 34 KUW Third Creek 35B	Residential Grinder Pump Lateral Cleanout	There was an electrical failure of the commercial grinder pump. The broken sewer main was repaired and the partial blockage was flushed.	510 710	2.25	N/A	Repair Completed Repair Completed
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
5/7/09 4419 MCCAMPBELL LANE	KUW First Creek 2		The sever main was lusted to remove the blockage caused by construction debris.	270	1.5	N/A N/A	N/A Repair Completed
5/8/09 2305 CLINCH AVENUE 5/8/09 1210 E. MOODY AVENUE	KUW Third Creek 35B KUW South Knoxville 40		The broken sewer main was repaired and the partial blockage was flushed. Heavy rainfall in the area resulted in high flows in the collection system.	180 540	1.5	✓ Future Construction Planned	N/A
5/10/09 3560 TALAHI DRIVE	KUW Third Creek 38		The sewer main was flushed to remove the blockage caused by debris.	140	1	N/A	BA
5/15/09 1233 MARYVILLE PIKE 5/25/09 1800 MIDDLEBROOK PIKE	KUW South Knoxville 39 KUW Third Creek 29	MH 27-115 MH 38	The sewer main was flushed to remove the blockage caused by construction debris. The sewer main was flushed to remove the blockage caused by grease.	22	1	✓ N/A N/A	BA BA/Grease Control
6/5/09 1411 DAVANNA STREET	KUW Second Creek 15		Heavy rainfall in the area resulted in high flows in the collection system.	3,990	4	✓ Future Construction Planned	N/A
6/6/09 2501 FERNBANK ROAD	LC Loves Creek 105		The sever main was flushed to remove the blockage caused by grease.	44	4	N/A	BA/Grease Control Repair Completed
6/12/09 4300 ROBERTS ROAD 6/13/09 835 FARRAGUT AVENUE	EB Eastbridge 113 KUW First Creek 16		There was an electrical failure of the commercial grinder pump. The sewer main was flushed to remove the blockage caused by debris.	30 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
6/17/09 1210 E. MOODY AVENUE 6/18/09 2303 CLINCH AVENUE	KUW South Knoxville 40 KUW Third Creek 35B		Heavy rainfall in the area resulted in high flows in the collection system. The sewer main was flushed to remove the blockage caused by construction debris.	51,771 5.491	3	Future Construction Planned N/A	N/A Repair Completed
6/22/09 125 TILLERY DRIVE	KUW Second Creek 10	Lateral Cleanout	The sever intern was instanted to remove the blockage caused by construction deuts. The sever main was flushed to remove the blockage caused by grease.	150	1	N/A N/A	BA/Grease Control
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
6/26/09 2305 CLINCH AVENUE 6/26/09 4900 LANDBROOK DRIVE	KUW Third Creek 35B KUW Third Creek 21		There was a process failure of a construction bypass pump. The sewer main was flushed to remove the blockage caused by roots, grease and debris.	2,328 153	0.0166	N/A N/A	Repair Completed BA/Grease Control
7/1/09 2304 WOODS CREEK ROAD	LC Loves Creek 105		There was a mechanical failure of the residential grinder pump.	50	1	N/A	Repair Completed
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
7/16/09 8205 CORTETLAND DRIVE 7/22/09 8560 WESTLAND DRIVE	FC Fourth Creek 32B FC Fourth Creek 42		The sewer main was flushed to remove th blockage caused by roots and influenced by heavy rainfall. There was a leaking air release valve that resulted in a SSO.	9 37	1	√ Future Construction Planned	BA 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
7/23/09 2636 CHUKAR ROAD 7/27/09 2204 HIGHLAND DRIVE	FC Fourth Creek 32A KUW First Creek 4		There was a failure of a construction bypass system. The sewer main was flushed to remove the blockage caused by roots.	12	0.25	N/A N/A	Repair Completed BA
7/27/09 2204 HIGHLAND DRIVE 7/28/09 1210 E. MOODY AVENUE	KUW First Creek 4 KUW South Knoxville 40		I he sewer main was flushed to remove the blockage caused by roots. Rainfall in the area produced I & I and high flows in sewer mains.	344 180	1	✓ Future Construction Planned	N/A
7/31/09 1210 E. MOODY AVENUE	KUW South Knoxville 40	-	Rainfall in the area produced I & I and high flows in sewer mains.	40	0.5	✓ Future Construction Planned	N/A
8/6/09 3741 EAKERS STREET 8/11/09 4502 MILLERTOWN PIKE	KUW South Knoxville 40 LC Loves Creek 6	MH 47 Lateral	Rainfall in the area produced I & I and high flows in sewer mains. The lateral was damaged during installation of gas main.	224 137	0.5 72 Intermittently	✓ Future Construction Planned N/A	N/A Repair Completed
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
8/12/09 608 VAN STREET	KUW Second Creek 23		The sewer main was flushed to remove the blockage caused by grease.	unknown	unknown	Future Construction Planned	N/A
8/17/09 119 WEST GLENWOOD AVENUE 8/24/09 961 E. FORD VALLEY ROAD	KUW First Creek 17 KUW Knob Creek 41	Cubbandoo	The sewer main was flushed to remove the partial blockage caused by grease and broken sewer main. There was an electrical failure at the pump station. Electrical power was restored to the pump station.	900	8 Intermittently 0.17	Future Construction Planned Future Construction Planned	BA/Grease Control N/A
9/23/09 961 E. FORD VALLEY ROAD	KUW Knob Creek 41	Wetwell	There was nelectrical failure at the pump station. Electrical power was restored to the pump station.	14,400	8	✓ Future Construction Planned	N/A
9/26/09 1411 DAVANNA STREET	KUW Second Creek 15	MH 8	Rainfall in the area produced 1 & 1 and high flows in sewer mains.	350	1	Future Construction Planned Future Construction Planned	N/A N/A
9/26/09 961 E. FORD VALLEY ROAD 9/26/09 1210 E. MOODY AVENUE	KUW Knob Creek 41 KUW South Knoxville 40		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	6,000 1,780	2 3	✓ 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
9/26/09 1500 LYONS BEND ROAD 9/26/09 2004 NEYLAND DRIVE	FC Fourth Creek 37 KUW Second Creek 35A		There was an electrical failure at the plant. Electrical power was restored to the plant. Rainfall in the area produced I & I and high flows in sewer mains.	40,000 250,000	0.06	✓ N/A ✓ Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training Changes to SOP and Operator Training
9/27/09 961 E. FORD VALLEY ROAD	KUW Knob Creek 41		Rainiai in the area produce or a nand night hows in seven mains. There was heavy debris at the pump station and influenced by high rainfall.	1,800	1	✓ Future Construction Planned	N/A
9/28/09 2706 MYNDERSE AVENUE	KUW Third Creek 22		The sewer main was flushed to remove the blockage caused by grease.	1,000	1	N/A	BA/Grease Control
9/29/09 8012 WEST CLIFF DRIVE 10/15/09 4201 ASHEVILLE HIGHWAY	FC Fourth Creek 32A LC Loves Creek 20		The sewer main was flushed to remove the blockage caused by grease and roots. Heavy rainfall in the area resulted in high flows in the sewer system.	65 50	0.5	N/A Future Construction Planned	BA/Grease Control 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
10/20/09 850 TALLEY HO DRIVE	KUW South Knoxville 39 EC Fourth Creek 36		The sewer main was flushed to remove the blockage caused by roots.	1,870	2	N/A	BA
10/26/09 6905 WESTLAND DRIVE 10/30/09 1408 MIDDLE DRIVE	FC Fourth Creek 36 KUW Second Creek 35A	Cabballabo	The sewer main was flushed to remove the blockage caused by roots. The sewer main was repaired to remove a collapsed section.	4,745 7,190	2 6.5	Construction Completed N/A	N/A Repair Completed
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
11/6/09 212 DRY GAP PIKE 11/8/09 6116 SEVIERVILLE PIKE	KUW Second Creek 5 KUW South Knoxville 41	MH 16-67 MH 107-2	There was a process failure of a construction bypass pumping system. The process was restored The sewer main was flushed to remove the blockage caused by grease.	205 510	1	N/A N/A	N/A BA/Grease Control
11/12/09 2126 TENNESSEE AVENUE	KUW Third Creek 22	-	The sever main was fushed to remove the blockage caused by grease. The sever main was fushed to remove the blockage caused by roots.	310	1	N/A N/A	BA/Grease Control BA
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
12/9/09 2536 CECIL AVENUE 12/9/09 1500 LYONS BEND ROAD	KUW First Creek 18 FC Fourth Creek 37	MH 30-11 Influent Structure	Heavy rainfall in the area resulted in high flows in the sewer system. There was an electrical failure at the plant. Electrical power was restored to the plant.	40 480.000	0.5	Future Construction Planned N/A	N/A Repair Complete
12/9/09 2004 NEYLAND DRIVE	KUW Second Creek 35a		There was an electrical failure at the plant. Electrical power was restored to the plant.	3,300,000	0.45	N/A	Repair Completed
12/12/09 5227 MCNUTT ROAD	KUW Knob Creek 41		The sewer main was flushed to remove the blockage caused by an unknown object.	1,061	1	Future Construction Planned	BA
12/15/09 1411 DAVANNA STREET 12/16/09 4315 CLINTON HIGHWAY	KUW Second Creek 15 KUW Second Creek 10		Heavy rainfall in the area resulted in high flows in the sewer system. The sewer main was flushed to remove the blockage caused by a protruding lateral, roots, grease and debris.	Unknown 4,855	Unknown 48 Intermittently	✓ Future Construction Planned N/A	N/A Repair Completed
12/18/09 3410 BORIGHT DRIVE	KUW First Creek 8		The severe main was flushed to remove the blockage caused by grease.	3,310	6	✓ Curent 5-Yr Plan	BA/Grease Control
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
1/18/10 229 LYNNWOOD DRIVE 1/18/10 1712 POLKWRIGHT LANE	KUW First Creek 3 FC Fourth Creek 37	MH 2-98 Residential Grinder Pump	The sewer main was flushed to remove the blockage caused by grease and roots. There was an electrical failure of the residential grinder pump.	130 5	0.5	N/A N/A	BA Repair Completed
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
1/24/10 1109 BIDDLE STREET 1/24/10 2536 CECIL AVENUE	KUW Williams Creek 25 KUW First Creek 18		The sewer main was flushed to remove the blockage caused by roots and influenced by heavy rainfall. Rainfall in the area produced I & I and high flows in sewer mains.	1000	1 8	N/A Current 5-Yr Plan	BA
1/24/10 2536 CECIL AVENUE 1/24/10 1500 LYONS BEND ROAD	FC Fourth Creek 37		Rainfail in the area produced I & I and high flows in sever mains.	74000	1.62	Future Construction Planned	N/A
				190000	0.75	N/A	N/A
1/24/10 5760 SANDIS LANE 1/24/10 304 SEVENTH AVENUE	LC Loves Creek 20 KUW First Creek 18	Influent Structure MH 15	There was a temporary electrical power failure at the WWTP during a high rainfall event. Rainfall in the area produced I & I and high flows in sewer mains.	90	3	Current 5-Yr Plan	BA
1/24/10 304 SEVENTH AVENUE 1/25/10 6621 CLINTON HIGHWAY	KUW Third Creek 50	Air Release Valve	Kainian in the area produced i ki rand nigh hows in sever mains.	190	2	N/A	Repair Completed
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
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
1/25/10 2004 ED SHOUSE ROAD 1/25/10 1210 MOODY AVENUE	KUW Third Creek 13		Rainfall in the area produced I & I and high flows in sewer mains.	21600	4		N/A NA
1/25/10 1210 MOODY AVENUE 1/25/10 7100 ROTHERWOOD DRIVE	KUW South Knoxville 40 FC Fourth Creek 36		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	Unknown 41575	Unknown 36	✓ 40A2 Trunkline Phase 1 completed 2/11 ✓ Construction Completed	NA 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
1/25/10 5546 WILKERSON ROAD	KUW Third Creek 9 KUW First Creek 7		Rainfall in the area produced I & I and high flows in sewer mains.	5	1	N/A Future Construction Blanned	N/A BA
1/26/10 4713 OLD BROADWAY 1/27/10 4611 KINGSTON PIKE	KUW First Creek 7 KUW Third Creek 34		Rainfall in the area produced I & I and high flows in sewer mains. There was a collapsed portion of the sewer main.	3400	12 1	Future Construction Planned N/A	BA Repair Completed
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
1/28/10 702 EAST INSKIP DRIVE 2/2/10 2706 MYNDERSE AVENUE	KUW First Creek 7 KUW Third Creek 22		The sewer main was flushed to remove the blockage caused by debris. Rainfall in the area produced I & I and high flows in sewer mains.	410	1	Current 5-Yr Plan ✓ Future Construction Planned	BA
2/2/10 2/06 MYNDERSE AVENUE 2/4/10 4025 THORNWOOD ROAD	KUW Third Creek 22 KUW Third Creek 13		Raintail in the area produced I & I and high flows in sewer mains. The sewer main was flushed to remove the blockage caused by grease and roots.	250	2	Future Construction Planned N/A	BA/Grease Control
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
2/5/10 2430 HIGHLAND DRIVE 2/5/10 2706 MYNDERSE AVENUE	KUW First Creek 4 KUW Third Creek 22		The sewer main was flushed to remove the blockage caused by debris and influenced by heavy rainfall. Rainfall in the area produced I & I and high flows in sewer mains.	2290 11500	1.5 8	√ Future Construction Planned	BA
2/5/10 2706 MTNDERSE AVENDE 2/5/10 7104 ROTHERWOOD DRIVE	FC Fourth Creek 36		Rainfail in the area produced is a land high flows in sever mains.	51015	71	Construction 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
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	004732 Completed

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Dist Dist <thdist< th=""> Dist Dist <thd< th=""><th>Date Street # Street</th><th>Plant Watershed</th><th>Basin</th><th>Overflow Location</th><th></th><th></th><th>Duration (Hours)</th><th>within 12</th><th>Long-Term Capital Project</th><th></th></thd<></thdist<>	Date Street # Street	Plant Watershed	Basin	Overflow Location			Duration (Hours)	within 12	Long-Term Capital Project	
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No. No. <td></td> <td>LC Loves Creek</td> <td>6</td> <td>Broken Sewer</td> <td>There was an SSO caused by a leaking low pressure sewer pipe.</td> <td>5</td> <td>1.5</td> <td></td> <td>N/A</td> <td>Repair Completed</td>		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
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Sec. Sec. Se	4/17/10 5105 BALL ROAD	KUW Third Creek	49	Broken Force Main		72675	2		N/A	Repair Completed
Bit Bit Bit Bit Bit Bit Bit Control Bit Contro Contro		FC Fourth Creek	34				1.4			
No. 100 De MARA No. 100 DE		KUW Second Creek	23				2			BA
No. No. <td>5/3/10 2536 CECIL AVENUE</td> <td>KUW First Creek</td> <td>18</td> <td>MH 30-11</td> <td>Rainfall in the area produced I & I and high flows in sewer mains.</td> <td>4200</td> <td>2.25</td> <td> ✓ </td> <td>Current 5-Yr Plan</td> <td>BA</td>	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
CALLC		KUW Second Creek	15				3	✓ ✓	Future Construction Planned	
ContC					BBU The SSO/BBU was caused by temporary electrical failure during high rainfall event.			, ,		
Number Numer Numer Numer <td>5/3/10 1210 MOODY AVENUE</td> <td>KUW South Knoxville</td> <td>40</td> <td></td> <td>Rainfall in the area produced I & I and high flows in sewer mains.</td> <td>750</td> <td>5</td> <td>1</td> <td></td> <td>NA</td>	5/3/10 1210 MOODY AVENUE	KUW South Knoxville	40		Rainfall in the area produced I & I and high flows in sewer mains.	750	5	1		NA
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Number Numer Numer Numer <td></td> <td></td> <td>3</td> <td></td> <td></td> <td></td> <td>2</td> <td></td> <td></td> <td></td>			3				2			
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GAND OND Restance OND Restance OND Number of the state of the		KUW Second Creek	23		The server main was flushed to remove the blockage caused by debris.		1			BA
Chef Mark Chef Mark <t< td=""><td></td><td>KUW Second Creek</td><td>10</td><td></td><td>The sever main was flushed to remove the blockage caused by recas.</td><td></td><td>1</td><td>~</td><td></td><td>BA</td></t<>		KUW Second Creek	10		The sever main was flushed to remove the blockage caused by recas.		1	~		BA
GADDA GADDA Dist Hands Hands <thh< td=""><td></td><td>EB Eastbridge</td><td>111</td><td></td><td>The SSO was the result of a broken force main.</td><td></td><td>1</td><td>,</td><td></td><td></td></thh<>		EB Eastbridge	111		The SSO was the result of a broken force main.		1	,		
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TATULY ALL Property Langene ALL Property Langene <td>6/28/10 2911 JERSEY AVENUE</td> <td>KUW Third Creek</td> <td></td> <td>MH 8-30</td> <td></td> <td>3,200</td> <td>24</td> <td></td> <td>Construction Underway</td> <td>BA</td>	6/28/10 2911 JERSEY AVENUE	KUW Third Creek		MH 8-30		3,200	24		Construction Underway	BA
NUMMiss Eddown forNUMNUMNUMNUMNUMNUMNUMMiss Eddown forNum<		KUW South Knoxville	39				24			NA BA
Abbs Open Unit Add Add Annue III Abbs Abbs <t< td=""><td></td><td>KUW Third Creek</td><td>28</td><td></td><td></td><td></td><td>2</td><td></td><td></td><td>BA</td></t<>		KUW Third Creek	28				2			BA
Total Bits Openation Bits Mathematical Structure Mathemati	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			BA
TAPY TAP Start Fill Start Sta							4			
Base Base <th< td=""><td></td><td></td><td>5</td><td></td><td></td><td>2</td><td>1</td><td></td><td></td><td>BA</td></th<>			5			2	1			BA
Lable Addity Section Control						60	0.15		NA	
Applie Applie<			45		The SSO was caused by a failure of a construction bypass pumping system.		4		NA	
MMINO MMINO <th< td=""><td>8/9/10 6401 OLD VALLEY ROAD</td><td>KUW South Knoxville</td><td>41</td><td>MH 67-3</td><td>The sever main was flushed to remove the blockage caused by debris.</td><td>35</td><td>3</td><td></td><td>NA</td><td></td></th<>	8/9/10 6401 OLD VALLEY ROAD	KUW South Knoxville	41	MH 67-3	The sever main was flushed to remove the blockage caused by debris.	35	3		NA	
Inition 2788 (PMC)/EES AVENUE V/III V/IIII V/IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII							24			
International Internat							2	~		
bzr/10 100 EVENNS SHADE LANE PC Funk Creek 37 MA Repair Completed 02001 SSS EVENNSE SALUCARAB FG Funk Creek 37 MA Repair Completed 02011 SSS EVENNSE SALUCARAB FG Funk Creek 37 MA Repair Completed 01110 H110 AVAINA STRET KW Func Creek 7 MA18 MA18 MA18 MA18 01110 H110 AVAINA STRET KW Func Creek 10 MA18 MA18 <td< td=""><td>8/16/10 815 SOUTH CENTRAL STREET</td><td>KUW First Creek</td><td>30</td><td>MH 3-7</td><td>Rainfall in the area produced I & I and high flows in sewer mains.</td><td>250</td><td></td><td></td><td>Current 5-Yr Plan</td><td></td></td<>	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			Current 5-Yr Plan	
bit 5202 BEXT RIVER BOULEVARD FC Found Creater Association former and a standarding data fraining and print indication. 10 1 V NAA Reader or print indication. 4001 8401 8403 MickSG100 MPK FC Found Creater Mick and print indication. 2400 4.0 - Charter							24	~		
BW10 BM32 (MASCR NP INC FU Fourth Creake FM Fourth Creake FM MA Regrand Completed BV110 H0110 H0120 AAAR DR NC KIM Fill Creake 7 MA2 MA2 MA2 BV110 H0120 AAAR DR NC KIM Fill Creake 7 MA2 MA2 MA2 BV110 H0120 AAAR DR NC KIM Fill Creake 7 MA2 MA2 MA2 BV110 H0120 AAAR DR NC KIM Fill Creake 7 MA2 MA2 MA3 MA2 MA3							1	~		
Ph1100 SH11 AVAIA STREET KUW Section Creek 15 MH8 MH8 <td>9/6/10 8083 KINGSTON PIKE</td> <td>FC Fourth Creek</td> <td></td> <td>MH 9-4</td> <td>The sewer main was damaged during a gas main installation.</td> <td></td> <td>48</td> <td></td> <td></td> <td>Repair Completed</td>	9/6/10 8083 KINGSTON PIKE	FC Fourth Creek		MH 9-4	The sewer main was damaged during a gas main installation.		48			Repair Completed
Phylo System System </td <td></td> <td></td> <td>15</td> <td></td> <td>Rainfall in the area produced 1 & I and high flows in sewer mains.</td> <td></td> <td>1</td> <td>~</td> <td></td> <td></td>			15		Rainfall in the area produced 1 & I and high flows in sewer mains.		1	~		
Ind2x01 Xx00 Xx00 Xx00 Xx00 <th< td=""><td>9/12/10 5915 NEUBERT SPRINGS ROAD</td><td></td><td></td><td></td><td></td><td></td><td>3.5</td><td></td><td>NA</td><td></td></th<>	9/12/10 5915 NEUBERT SPRINGS ROAD						3.5		NA	
Initial LC Low Screek LC Low Screek Robit Screek Repair Completed 11/37/10 53/18 [ND RUYE BOULEVARD FG Fourth Screek 3 Residential Screek Repair Completed 11/37/10 34/18 [SORIGHT DRIVE KUW First Creek 4 MH3 54, 44, 43, 42, 41, 40 and 39 Contract Marking 175.0 8.8 ✓ Churen S-Yr Danned BA 11/30/10 2536 [CECL AVENE KUW First Creek 4 MH3 0-1 A A Repair Completed 11/30/10 2541 [FAIR DRIVE KUW First Creek 4 MH3 0-1 A Current S-Yr Danned A A 11/30/10 2541 [FAIR DRIVE KUW First Creek 4 MH2 0-2 A Current S-Yr Danned A A 11/30/10 2541 [FAIR DRIVE KUW First Creek 4 MH2 0-2 A Current S-Yr Danned A A 11/30/10 2541 [FAIR DRIVE KUW First Creek 4 MH2 0-2 A Current S-Yr Dann			32			÷	1			BA
111/1/10 5307 [BENT RIVE R BOLLEVARD FC Fourh Creek 43 Residential Grinder Pump MA Repair 11/10/10 25307 [BENT RIVE R BOLLEVARD KUW First Creek 43 Metalida Inte area produced 18 I and high lows in sever mains. 1720 8 ✓ Future Construction Plann BA 11/10/10 2536 [CELL AVENUE KUW First Creek 4 MH 30-11 BA BA ✓ Current5-Yr Plan BA 11/10/10 2536 [CELL AVENUE KUW First Creek 4 MH 20-2 BA Current5-Yr Plan BA 11/10/10 1908 [JEFFERSON AVENUE KUW First Creek 4 MH 2-1 BA N/A 11/10/10 2500 [OCDOSON DRIVE KUW First Creek 4 MH 2-1 BA Repair MiA 11/10/10 2600 [WOOSON DRIVE KUW South Knowlle 40 MH 2-1 MiA Repair MiA 11/10/10 1411 [DAVANAN STREET KUW South Knowlle 40 MiA MiA MiA 11/10/10 1411 [DAVANAN STREET KUW South Knowlle <td></td> <td>LC Loves Creek</td> <td>28</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Repair Completed</td>		LC Loves Creek	28							Repair Completed
11/20/10 258/E CCUL AVENUE KUW First Creek 18 MH 30-11 MH 30-11 A Curren 5-Yr Pian BA 11/20/10 254/E FAR RONVE KUW First Creek 4 MH 20-2 BA BA BA 11/20/10 1908 Jet FFRE SON AVENUE KUW First Creek 24 Lateral Genout BA BA 11/20/10 254/F FAR RONVENUE KUW First Creek 24 Lateral Genout BA BA 11/20/10 254/F FAR RONVENUE KUW First Creek 24 Current 5-Yr Pian BA A Current 5-Yr Pian BA 11/20/10 256/E FER SON LEVENUE KUW First Creek 4 MH 20-2 BA Cereme 5-Yr Pian BA A 11/20/10 256/E FER SON LEVENUE KUW First Creek 4 MH 20-2 BA Cereme 5-Yr Pian BA A	11/17/10 5307 BENT RIVER BOULEVARD	FC Fourth Creek		Residential Grinder Pump	Grinder pump failure.		2.5	 ✓ 		
In 120 102541 BAR DRUVEKUVFirst Creek4MH2-2BA11/30 101908 JEFFERSON AVENUEKUVFirst Creek4MH2-2BA11/30 101908 JEFFERSON AVENUEKUVFirst Creek4Lateral CleanoutNA11/30 102600 WOODSON DRIVEKUVSouth Knoxville4MH2-1NA11/30 102600 WOODSON DRIVEFCFourth Creek43Residential Grinder PumpRepair Completed11/30 112600 WOODSON DRIVEFCFourth Creek43Residential Grinder PumpRepair Completed11/30 112600 WOODSON DRIVEFCFourth Creek43Residential Grinder PumpRepair Completed12/1102548 JEFN RIVER BOULEVARDFCFourth Creek43MH47MH47NA12/1101411 JDAVANAS TREETKUVSouth KnoxvilleMH47MH47NA12/1101500 LEPANDROADFCFourth Creek37MH47NA12/1101500 LEPANDNS TREETKUVSouth KnoxvilleMH47NA12/1101500 LEPANDNS TREETKUVSind Grinder PumpRepair CompletedNA12/1101500 LEPANDNS TREETKUVSind Grinder PumpMH47NANA12/1101500 LEPANDNS TREETKUVSind Grinder PumpNANANA12/1101500 LEPANDNS TREETKUVSind Grinder PumpNANANA12/1101500 LEPANDNS TREETKUVSind Grinder PumpN			Ŭ				8	~		BA
1130/10 1930/JEFFERSON AVENUE KUW First Creek 24 Lateral Cleanout NA 11/30/10 260/VOODSON DRIVE KUW South Knowile 4/4 ML2.1	11/30/10 2541 FAIR DRIVE		10				1			8,1
11/30/1028/00WOODSON DRIVEKUWSoun Rhowine44MH 2-1NA12/10/105262BENT RE BOULEVARDFCFour Acree43Residential Grinder PumpGrinder PumpGrinder pump fail dig flows in sever mains.C1✓NA </td <td>11/30/10 1908 JEFFERSON AVENUE</td> <td>KUW First Creek</td> <td>24</td> <td></td> <td></td> <td>180</td> <td>3</td> <td></td> <td>Construction Completed</td> <td>N/A</td>	11/30/10 1908 JEFFERSON AVENUE	KUW First Creek	24			180	3		Construction Completed	N/A
12/1/10 5268 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump Grinder Pump fain fain 12/1/10 1411 DAVANNA STRET KUW Second Creek 15 MH 8 MH 8 Residential Grinder Pump fain fain in the area produced 18 I and high flows in sever mains. 100 3 ✓ Plature Construction Planned NA 12/1/10 3741 EAKERS STREET KUW South Knoxville 40 MH 4 NA NA 12/1/10 1500 LYONS BERD ROAD FC Fourth Creek 37 MH 1 NA 12/1/10 100 LEBANON STREET KUW Third Creek 37 MH 1 Repair Completed 12/1/10 100 LEBANON STREET KUW Third Creek 37 MH 1 Repair Completed 12/1/10 100 LEBANON STREET KUW Third Creek 34 Private Manole Repair Completed 12/3/10 12/3/2 VIII VIIII Creek 34 Private Manole Repair Completed Repair Completed 12/3/10 100 LEBANON STREET KUW Tr	11/30/10 2600 WOODSON DRIVE	KUW South Knoxville	44	MH 2-1	Rainfall in the area produced 1.8.1 and high flows in server mains	2150	3	KU		NA
121/10 1411 DAVANAN STREET KUW Second Creek 15 MH 8 M 4 M 4 M 4 M 4 M 4 121/10 3741 EAKERS STREET KUW Soud Khoxvile 40 MH 7 M 4 M 470 3 402 M 402 M 402 M 404 M 404 <td< td=""><td>12/1/10 5246 BENT RIVER BOULEVARD</td><td>FC Fourth Creek</td><td>43</td><td>Residential Grinder Pump</td><td>Grinder pump failure.</td><td></td><td>1</td><td>~</td><td>N/A</td><td>Repair Completed</td></td<>	12/1/10 5246 BENT RIVER BOULEVARD	FC Fourth Creek	43	Residential Grinder Pump	Grinder pump failure.		1	~	N/A	Repair Completed
12/1/101500 LYONS BEDR DADFCFourth Creek37MH 1MAnd12/3/10100 LEBAN CONSTREETKUWThird Creek34Private ManholeThird Creek7N/A12/3/1012/16 WATERCRESS DRIVEKUWFirst Creek7MH 29-9Rainfall in the area produced 1& 1 and high flows in sever mains.402N/AResidential Grider Construction12/3/1012/16 WATERCRESS DRIVEKUWFirst Creek7MH 29-9Rainfall in the area produced 1& 1 and high flows in sever mains.1003Current 5-Yr PlanBA12/3/10532 BENT RIVER BOULEVARDFCFourth Creek43Residential Grinder PumpFirst Creek7N/ARepart12/25/101725 LOVES CREEK ROADLCLoves Creek6MH 48-3The sever main sflushed to private flows first Construction82N/AN/A		KUW Second Creek	15		Rainfall in the area produced I & I and high flows in sewer mains.		3			N/A
12/3/10 100 LEBANON STREEET KUW 7 Inir Greek 34 Private Manhole 7 Repair Completed 12/3/10 12/16 VITE RCRESS DRVE KUW First Creek 7 MH29-9 MH29-9 MH29-9 MH29-9 BA Current 5-Yr Planc BA 12/13/10 53/2 BATIR VIER BOLIEVARD FC Fourth Creek 43 Residential Grinder Pump Residential G		FC Fourth Creek	40		Rainfall in the area produced I & I and high flows in server mains. Rainfall in the area produced I & I and high flows in server mains		3	4		
12/13/10 532 BENT RIVER BOULEVARD FC Fourth Creek 43 Residential Grinder Pump 12/26/10 1725 LOVES CREEK ROAD LC Loves Creek 6 MH 48-3 N/A Repair Completed	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
12/26/10 1725 LOVES CREEK ROAD LC Loves Creek 6 MH 48-3 N/A N/A		KUW First Creek	7				3	+		
		LC Loves Creek	43		Ginder punp raiwer. The sewer main was flushed to remove the blockage caused by debris.		2	+ +		
	12/31/10 2204 HIGHLAND DRIVE	KUW First Creek	4		The SSO was caused by a broken sewer main.		2			Repair Completed

Model Model <th< th=""><th>Date Street # Street</th><th>Plant Watershed B</th><th>asin Overflow Location</th><th>Private Property Location</th><th>Volume (Gallons) Du</th><th>Event occurred two or more times within 12 months</th><th>Long-Term Capital Project</th><th>Short-Term Controls Blockage Abatement (BA)</th><th>BA Schedule</th></th<>	Date Street # Street	Plant Watershed B	asin Overflow Location	Private Property Location	Volume (Gallons) Du	Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
Mat Ale Ale <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
No. No. <td>2/19/03 4144 OAKLAND DR</td> <td>KUW First Creek</td> <td>2 MH 39-48</td> <td>Heavy rainfall in the area resulted in high flows in the collection system.</td> <td>360</td> <td>U</td> <td></td> <td></td> <td></td>	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	U			
Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>						2			
Des Des <thdes< th=""> <thdes< th=""> <thdes< th=""></thdes<></thdes<></thdes<>						20	Construction Completed		
No. No. <td>11/30/04 4144 OAKLAND DR</td> <td></td> <td></td> <td>Heavy rainfall in the area resulted in high flows in the collection system.</td> <td></td> <td>5</td> <td></td> <td></td> <td></td>	11/30/04 4144 OAKLAND DR			Heavy rainfall in the area resulted in high flows in the collection system.		5			
No. No. <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.10</td> <td></td> <td></td> <td></td>						2.10			
No. No. <td></td> <td></td> <td></td> <td></td> <td>45,655</td> <td>2</td> <td>Construction Completed</td> <td></td> <td>N/A</td>					45,655	2	Construction Completed		N/A
Mathematical Mathematical<						2 .			
And And Anderson									
No. No. No. No. No.						2			
Model Model <th< td=""><td></td><td></td><td></td><td></td><td></td><td>2.5</td><td></td><td></td><td></td></th<>						2.5			
No. No. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Construction Completed</td> <td></td> <td></td>							Construction Completed		
Image Marcine Marce <									
No. No. <td></td> <td></td> <td></td> <td></td> <td></td> <td>1.5</td> <td></td> <td></td> <td></td>						1.5			
Cont A Marcine A M						4			
No. No. <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.5</td> <td></td> <td></td> <td></td>						0.5			
No. Angle State No. No. <th< td=""><td></td><td>ROW Flist Cleek</td><td>3 IVITI 0-7</td><td>The server frain was hushed to remove the blockage caused by grease.</td><td>180</td><td>2</td><td></td><td></td><td></td></th<>		ROW Flist Cleek	3 IVITI 0-7	The server frain was hushed to remove the blockage caused by grease.	180	2			
No. 4 /s And A and						_			
And Process					3				
Mark Mark <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>N/A</td><td></td><td></td></th<>							N/A		
No. No. <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>BA</td> <td></td>								BA	
No. No. <td>12/9/08 2007 RIDGECREST DRIVE</td> <td>KUW First Creek</td> <td>4 MH 18-126</td> <td>The sewer main was flushed to remove the blockage caused by roots.</td> <td>561</td> <td>5</td> <td>N/A</td> <td>BA</td> <td>6 Months</td>	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
No. No. <td>7/14/07 2021 COLD CREEK WAY</td> <td>KUW First Creek</td> <td>4 MH 22-45</td> <td>The sewer main was flushed to remove the blockage caused by debris.</td> <td></td> <td></td> <td>N/A</td> <td></td> <td></td>	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 debris.			N/A		
BDD And Market Mark Mode					1				
Description Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>									
DATA DATA <thd< td=""><td>12/31/10 2204 HIGHLAND DRIVE</td><td>KUW First Creek</td><td>4 Broken Sewer</td><td></td><td>450</td><td>-</td><td></td><td></td><td>N/A</td></thd<>	12/31/10 2204 HIGHLAND DRIVE	KUW First Creek	4 Broken Sewer		450	-			N/A
Date Description Descripion <thdescription< th=""> <thdes< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>IWA</td><td></td><td></td></thdes<></thdescription<>							IWA		
Desc Desc <thdesc< th=""> Desc Desc <thd< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>10/1</td><td></td><td></td></thd<></thdesc<>							10/1		
DBS DBS <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>			-						
Description Application									
Difference Difference <thdifference< th=""> Difference Difference</thdifference<>						1	-		
International Internat					37,450	26		BA	
basis basis <t< td=""><td></td><td></td><td></td><td></td><td>1080</td><td>1.5</td><td></td><td></td><td></td></t<>					1080	1.5			
Joint Biol	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
Dame Dame Dame Dame Description Description <thdescription< th=""> Description</thdescription<>	3/17/08 5601 CEDAR HEIGHTS ROAD					1		5/1	6 Months
AndA						-			
NUMBER NUMBER NUMBER NUMBER <td>6/23/03 2304 WOODS CREEK RD</td> <td>LC LOVES CIEEK</td> <td>6 Ginder Fump</td> <td>The residential glinber pullip was replaced aner the mechanical ratio of the pullip.</td> <td>5</td> <td>2</td> <td></td> <td></td> <td></td>	6/23/03 2304 WOODS CREEK RD	LC LOVES CIEEK	6 Ginder Fump	The residential glinber pullip was replaced aner the mechanical ratio of the pullip.	5	2			
Displant					19	1			
DMM DMM <thdmm< th=""> <thdmm< th=""> <thdmm< th=""></thdmm<></thdmm<></thdmm<>									
Physic Physic<		LC Loves Creek			5	1			
Diff Diff <thdiff< th=""> Diff Diff <thd< td=""><td></td><td></td><td>Eatolai</td><td></td><td></td><td>,</td><td>IWA</td><td></td><td></td></thd<></thdiff<>			Eatolai			,	IWA		
Dipute Signed Processing SignedProcessing Signe	1/28/10 702 EAST INSKIP DRIVE			The sewer main was flushed to remove the blockage caused by debris.	-	1			
Differ No. No.<						1			
Table State No.						3			
Intell Addition No. Addition Ad	11/24/04 1235 WATERCRESS DR			Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by grease.		8.25			6 Months
Dist Object Add Dist OUT Find Case Fin									
1277 1410 CONTR PLOD VM Process Process <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></t<>								-	
Image: Note: Note: Note: Note:	1/27/07 4419 COSTER ROAD	KUW First Creek		The sewer main was flushed to remove the blockage caused by roots and debris.	30		10/1		
Add/ Add/ Fact Set 7 Med. Med. <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td></t<>							-		
Code (17) Code (17) <thcode (17)<="" th=""> <thcode (17)<="" th=""> <thc< td=""><td></td><td></td><td></td><td></td><td></td><td>3</td><td></td><td></td><td></td></thc<></thcode></thcode>						3			
2806 473 (CD BROADWAY KW First Creek 7 Mr12 Construction Congleted AA 12 Months 2006 473 (CD BROADWAY KW First Creek 7 Mr12 Construction Congleted BA 12 Months 2018 473 (CD BROADWAY KW First Creek 7 Mr12 Construction Congleted BA 12 Months 2018 473 (CD BROADWAY KW First Creek 7 Mr12 Construction Congleted BA 12 Months 2018 473 (CD BROADWAY KW First Creek 7 Mr12 Construction Congleted BA 12 Months 12/104 473 (CD BROADWAY KW First Creek 7 Mr12 Construction Congleted BA 12 Months 12/104 473 (CD BROADWAY KW First Creek 7 Mr12 Construction Congleted BA 12 Months 12/104 473 (CD BROADWAY KW First Creek 7 Mr12 Construction Congleted BA 12 Months 1									
3900 473 CLD 80ADWAY KW Fire Creek 7 Merical 473 CLD 80ADWAY KW Fire Creek 7 Merical Attract						•			
Bactor 4713 CLO BRACOWAV KWI Fine Cask 7 MA12 MA13 S Construction Completies BA 171 Month Link MA 4713 CLO BRACOWAV KWI Fine Cask 7 MA12 MA143 MA1	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
Introduct And Part Constraction Complexies 7 Med 2 Med 3 1.3 V.4 Construction Complexied BA 12 Med 471 Sectors Variable Arr Soc Des RockWard RVM Fer Const. 7 Med 2 Med 3 Med 3 Ver Construction Complexied BA Ver Construction Complexied									
12/10/L 47/3 C/L DB R00W/Y KW/F Frs Creek 7 MH 2 MA (2) DB R00W/Y KW/F Frs Creek 7 MH 2 MA (2) DB R00W/Y KW/F Frs Creek 7 MH 2 MA (2) MA (2) MA (2) Construction Completed BA 12 Months 12/0/L 47/3 C/L BRADW/Y KW/F Frs Creek 7 MH 2 MH (2) MA (2) MA (2) Construction Completed BA 12 Months 12/0/L 47/3 C/L BRADW/Y KW/F Frs Creek 7 MH 2 MH (2) MA (2) Months Mi (2) Construction Completed BA 12 Months 17/10/L 47/3 C/L BRADW/Y KW/F Frs Creek 7 MH 2 MA (2) Months Mi (2) Construction Completed BA 12 Months 17/10/L 47/3 C/L BRADW/Y KW/F Frs Creek 7 MH 2 Mi (2) Mi (2) Mi (2) Mi (2) Mi (2) Months Mi (2) Mi (2) Months Mi (2) Mi						3			
12100 9713 (D. B BOADWAY KW First Ceek 7 MH 2 MM 2 Membrale model model model model model model model model model. 1008 (D) 62/L V Construction Completed BA 12 Munits 447865 4713 (D. B BOADWAY KW First Ceek 7 MH 2 Minits Hint control BA 12 Munits AVX First Ciek 7 Construction Completed BA 12 Munits 11706 4713 (D. B BOADWAY KW First Ciek 7 MH 2 AVX First Ciek 7 Construction Completed BA 12 Munits 44000 4713 (D. B BOADWAY KW First Ciek 7 MH 2 AVX First Ciek BA 12 Munits AVX First Ciek BA 12 Munits AVX First Ciek BA BA 12 Munits AVX First Ciek				Heavy rainfall in the area resulted in high flows in the collection system.					
Aff and Display Kill First Creek 7 M-12 Main and the properties of the properity of the properties of the properity of the properties of the proproperitis of the properise of the properis of the properities of						5.5			
Initial Initial <t< td=""><td></td><td></td><td></td><td></td><td></td><td>02</td><td></td><td></td><td></td></t<>						02			
Hail Label Rev L	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		Construction Completed	BA	12 Months
4/2 00 4/7 10 DB R0ADWAY KUW First Creek 7 MH 2 6 7 Construction Completed BA 12 Months 2/2006 4/7 10 DB R0ADWAY KUW First Creek 7 MH 2 6 7 Construction Completed BA 12 Months 1/200 4/7 10 DB R0ADWAY KUW First Creek 7 MH 2 6 7 MH 2 8 A A 2 Months 1/200 4/7 10 DB R0ADWAY KUW First Creek 8 MH 7-91 Construction Planed BA 12 Months 1/200 4/7 10 First Creek 8 MH 7-91 Construction Planed BA 12 Months 1/200 3/21 BRDA DRMWAY KUW First Creek 8 MH 7-91 Construction Planed BA Construction Planed MA Constructin									
92406 4713 OLD BROADWAY KUW First Creek 7 MH2 Charabal and infall amounts between 395 % 5.05' fell acros the service area producing 1.8 i and high flows in the sever mains. 197712 6 ✓ Construction Completed BA 12 konths 12/610 4713 OLD BROADWAY KUW First Creek 8 MH2 12 konths 12 konths 3400 12 ✓ Future Construction Completed BA 12 konths 17/10 4713 OLD BROADWAY KUW First Creek 8 MH7-91 BA 12 konths 12 konths 12 konths 3400 12 konths 12 k	4/22/06 4713 OLD BROADWAY		7 MH 2						
VIII10 VIII 15 PORESTAL DRIVE KUW First Creek 8 MH 7-91 BA 6 Months 7/111/07 1723 BREDA DRIVE KUW First Creek 8 MH 7-144 BA 6 Months 7/11/07 1723 BREDA DRIVE KUW First Creek 8 MH 7-144 B / Grease Control 6 Months 2/15/07 3022 BORIGHT AVENUE KUW First Creek 8 MH 3.5 The sewer main was flushed to remove the blockage caused by debris and up convole the blockage caused by debris. 452.50 108 N/A B A/ Grease Control 6 Months 3/7/10 3022 BORIGHT AVENUE KUW First Creek MH 9-86 MH 9-86 N/A Repair Complete N/A 10/09 3410 BORIGHT DRIVE KUW First Creek MH 9-46 N/A N/A Repair Complete N/A 11/3010 3410 BORIGHT DRIVE KUW First Creek MH 42.43.44.45.4 M/A N/A N/A N/A N/A 11/3010 3410 BORIGHT DRIVE KUW First Creek M/H 42.4.10 and 39 M/A <t< td=""><td></td><td></td><td></td><td>Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.</td><td></td><td>0</td><td>Construction Completed</td><td></td><td></td></t<>				Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.		0	Construction Completed		
1/11/041s PORes IAL DAVEKUWFirst Creek8MH 7-91Image: CompletedMH 7-91Image: CompletedMA2/10/03/022/02VIEW DRIVEKUWFirst Creek8MH 3-56Image: CompletedN/A <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
215073022BORIGHT AVENUEKUVFirst Creek8MH 35Repair CompleteNA3/103404VALLEY VIEW DRIVEKUVFirst Creek8MH 9-96NANA3/103404Port CreekKUVFirst Creek8MH 9-96NANA1/6003410BORIGHT DRIVEKUVFirst Creek8MH 42,43,44.45NANA1/100/13410BORIGHT DRIVEKUVFirst Creek8MH 42,43,44.45NANA1/130/103410BORIGHT DRIVEKUVFirst Creek8MH 42,43,44.43,42,41,40 and 39NAAGM BAGAGM BAG1/130/103410BORIGHT DRIVEKUVFirst Creek8MH 42,43,44.43,42,41,40 and 39AGM BAGAGM BAGAGM BAG1/130/103410BORIGHT DRIVEKUVFirst Creek8MH 42,43,44.43,42,41,40 and 39AGM BAGAGM BAG1/130/103410BORIGHT DRIVEKUVFirst Creek8MH 42,43,44.43,42,41,40 and 39AGM BAGAGM BAG1/130/103410BORIGHT DRIVEKUVFirst Creek8MH 42,43,44.43,42,41,40 and 39AGM BAGAGM BAGAGM BAG1/130/103410BORIGHT DRIVEKUVFirst Creek8MH 42,43,44.43,42,41,40 and 39AGM BAGAGM BAGAGM BAG1/130/103410BORIGHT DRIVEKUVTirst Creek8MH 42,63,43,43,42,41,40 and 39AGM BAGAGM BAGAGM BAGAGM BAG1/13						2			
377/03403VALLEY VIEW DRIVEKUWFirst Creek8MH 9-86NARepair CompletedNA1/6/093410BORGHT DRIVEKUWFirst Creek8MH 42,43,44 &45NANANANA1/2/16/093410BORGHT DRIVEKUWFirst Creek8MH 42,43,44 &45NANANANANANA1/2/16/093410BORIGHT DRIVEKUWFirst Creek8MH 42,43,44 &45NA <td< td=""><td></td><td></td><td></td><td></td><td></td><td>2</td><td></td><td></td><td></td></td<>						2			
1/10/93/10BORIGHT DRIVEKUVFirst Creek8MHs 2,43,44 & 45NA12/18/93/10BORIGHT DRIVEKUVFirst Creek8MHs 2,43,44 & 45NA12/18/93/10BORIGHT DRIVEKUVFirst Creek8MHs 2,43,44 & 43,42MNA11/30/103/10BORIGHT DRIVEKUVFirst Creek8MHs 4,2,4,1,40 and 306✓11/30/103/10BORIGHT DRIVEKUVFirst Creek8MHs 4,4,4,2,4,1,40 and 306M11/30/103/10BORIGHT DRIVEKUVFirst Creek9Grinder Pump6M11/30/103/10Creet9Grinder PumpMA11AA11/30/10751MURRAY DRKUVThird Creek9Grinder PumpAAAAA11/30/10751MURRAY DRKUVThird Creek9Grinder PumpAAAAA11/30/10751MURRAY DRKUVThird Creek9Grinder PumpAAAAA11/30/10751MURRAY DRKUVThird Creek9Registra CompletedNAA11/30/10751MURRAY DRKUVThird Creek9Registra CompletedNAA11/30/10751MURRAY DRKUVThird Creek9Registra CompletedNAA11/30/10754MURRAY DRKUVT								Repair Completed	
11/30/103410BORIGHT DRIVEKUWFirst Creek8MHs 45, 44, 33, 42, 41, 40 and 396 Months4/17/05751MURRAY DRKUWThird Creek9Grinder PumpMARepair CompletedNA6/6/05751MURRAY DRKUWThird Creek9Grinder PumpMARepair CompletedNA6/6/05751MURRAY DRKUWThird Creek9Grinder PumpMARepair CompletedNA8/2/07751MURRAY DRKUWThird Creek9Repair CompletedNA8/2/07751MURRAY DRKUWThird Creek9Repair CompletedNA1/25/0546MURRAY DRKUWThird Creek9Repair CompletedNA1/25/105546MURRAY DRKUWThird Creek9Lateral CleanoutRepair CompletedNA1/25/105546MURRAY DR51NANANA	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.		5.5			
4/17/05 751 MURRAY DR KUW Third Creek 9 Grinder Pump N/A Repair Completed N/A 6/6/05 751 MURRAY DR KUW Third Creek 9 Grinder Pump N/A Repair Completed N/A 6/6/05 751 MURRAY DR KUW Third Creek 9 Grinder Pump N/A Repair Completed N/A 8/2/07 751 MURRAY DR/VE KUW Third Creek 9 Repair Completed N/A 8/2/07 751 MURRAY DR/VE KUW Third Creek 9 Repair Complete N/A 1/25/10 5546 WUKERSON ROAD KUW Third Creek 9 Lateral Cleanout N/A						÷			
6/6/0 751 MURAY DR KUW Third Creek 9 Grinder Pump N/A Repair Completed N/A 8/2/0 751 MURAY DR/VE KUW Third Creek 9 Grinder Pump N/A Repair Completed N/A 8/2/0 751 MURAY DR/VE KUW Third Creek 9 Repair Complete N/A 1/25/10 5546 WLKERSON ROAD KUW Third Creek 9 Lateral Cleanout Stateral Cleanout Stateral Cleanout N/A		KUW Third Creek		There was a mechanical failure of the commercial grinder pump. The pump was replaced.		-			
1/25/10 5546/WILKERSON ROAD KUW Third Creek 9 Lateral Cleanout NA NA					1	1			
1/25/10 5546/WILKERSON ROAD KUW Third Creek 9 Lateral Cleanout NA NA	8/2/07 751 MURRAY DRIVE	KUW Third Creek	9 Residential Grinder Pump	The residential arinder oumo had a mechanical failure.	50	1.5	N/A	Repair Complete	N/A
5/30/08 5700 MELSTONE DRIVE KUW Third Creek 9 3 Lateral Cleanouts N/A Repair Completed 004734 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
	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 0047	' 34 N/A

Date Street # Street	Plant Watershed Bas	in Overflow Location	Private Property Location	Volume (Gallons) Duration (Hours) Event occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
1/7/09 5315 SHANNONDALE ROAD 3/18/09 4125 GREENWAY DRIVE	KUW First Creek 1 KUW First Creek 2	MH 36 Private Sewer Connection	The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall. There was an unconnected private sewer main.	5,040 14 Unknown Unknown	N/A Curent 5-Yr Plan	N/A	3 Months N/A
8/15/07 100 DALTON PLACE WAY 2/23/05 125 TILLERY DR	KUW Second Creek 10 KUW Second Creek 10		The sewer main was flushed to remove the blockage caused by grease and roots. The sewer main was flushed to remove the blockage caused by grease.	108 1 720 3	N/A N/A	B A / Grease Control BA/Grease Control	6 Months 6 Months
6/22/09 125 TILLERY DRIVE	KUW Second Creek 10		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 5/23/10 1312 CASSELL DRIVE	KUW Second Creek 10 KUW Second Creek 10		The sewer main was flushed to remove the blockage caused by roots and grease. The sewer main was flushed to remove the blockage caused by grease.	<u>55</u> 1 200 1 ✓	N/A Future Construction Planned	BA/Grease Control BA	6 Months 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 12/16/09 4315 CLINTON HIGHWAY	KUW Second Creek 10 KUW Second Creek 10		The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by a protruding lateral, roots, grease and debris.	95 3 4,855 48 Intermittently	N/A N/A	BA Repair Completed	6 Months N/A
2/28/07 3325 DEWINE DRIVE	KUW Third Creek 11	MH 5-2	The sewer main was flushed to remove the blockage caused by roots.	240 2	N/A	BA	6 Months
10/2/07 4414 TOWNHOUSE WAY 9/20/06 4421 ROYALVIEW ROAD	KUW Third Creek 11 KUW Third Creek 11	Eatoral oloanoat	The sewer main was repaired and flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by grease and roots.	50 1 750 4	N/A N/A	B A / Grease Control BA/Grease Control	18 Months 6 Months
2/6/07 4421 ROYALVIEW ROAD	KUW Third Creek 11	oloanoat	There was no apparent cause found. Contractor flushing and a missing cleanout cap is the probable scenario.	112 1	N/A	BA	6 Months
11/30/07 4450 HOLIDAY BOULEVARD 5/12/10 4509 LANDON DRIVE	KUW Third Creek 11 KUW Third Creek 11	INT EO TE	The sewer main was flushed to remove the blockage caused by debris and grease. The sewer main was flushed to remove the blockage caused by grease.	135 0.75 50 1	N/A N/A	B A / Grease Control BA/Grease Control	6 Months 6 Months
2/22/07 6213 ELLESMERE DRIVE	KUW Third Creek 11		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
10/29/08 4801 WILKSHIRE DRIVE 1/25/10 2004 ED SHOUSE ROAD	KUW Third Creek 12 KUW Third Creek 13	olouilout	The sewer main was repaired and flushed to remove the blockage caused by a broken pipe. Rainfall in the area produced I & I and high flows in sewer mains.	1,500 3 21600 4	N/A N/A	Repair Completed N/A	N/A N/A
2/4/10 4025 THORNWOOD ROAD	KUW Third Creek 13		The sewer main was flushed to remove the blockage caused by grease and roots.	250 2	N/A N/A	BA/Grease Control	6 Months
8/12/10 4351 FALCONITE WAY 2/13/09 4712 MOSS DRIVE	KUW Third Creek 13 KUW Third Creek 13		The SSO was caused by a broken pipe. The sewer main was flushed to remove the blockage caused by grease and debris.	7500 24 750 1	N/A N/A	Repair Completed BA/Grease Control	N/A 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 6/5/09 1411 DAVANNA STREET	KUW Third Creek 13 KUW Second Creek 15		The sewer main was flushed to remove the blockage caused by debris. Heavy rainfall in the area resulted in high flows in the collection system.	230 1 3,990 4 ✓	N/A Future Construction Planned	BA N/A	12 Months N/A
9/26/09 1411 DAVANNA STREET	KUW Second Creek 15		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 1/25/10 1411 DAVANNA STREET	KUW Second Creek 15 KUW Second Creek 15		Heavy rainfall in the area resulted in high flows in the sewer system. Rainfall in the area produced I & I and high flows in sewer mains.	Unknown Unknown ✓ Unknown Unknown ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
5/3/10 1411 DAVANNA STREET	KUW Second Creek 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 12/1/10 1411 DAVANNA STREET	KUW Second Creek 15 KUW Second Creek 15		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	1000 1 ✓ 4700 3 ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
7/7/07 2110 HARVEY STREET	KUW Second Creek 15		There was a leak caused by a broken lateral in the street.	6 1	N/A	B A	12 Months
6/13/09 835 FARRAGUT AVENUE 3/9/09 1000 OGLEWOOD AVENUE	KUW First Creek 16 KUW First Creek 16		The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris.	54 0.5 13 0.5	N/A N/A	N/A BA	N/A 6 Months
8/17/09 119 WEST GLENWOOD AVENUE	E 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 11/9/08 1036 E EMERALD AVENUE	KUW First Creek 17 KUW First Creek 17		The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris.	120 1 · 120 1 ·	N/A N/A	Repair Completed Repair Completed	N/A N/A
4/18/07 2324 N BROADWAY	KUW First Creek 17	MH 4-113	The sewer main was flushed to remove the blockage caused by grease.	20,950 24	N/A	B A / Grease Control	6 Months
12/11/04 2509 BROADWAY 9/28/06 302 SEVENTH AVENUE	KUW First Creek 17 KUW First Creek 18		The sewer main was flushed to remove the blockage caused by grease and roots. The sewer main was flushed to remove the blockage caused by roots and influenced by heavy rainfall.	5220 29 6209 6 ✓	N/A Future Construction Planned	BA/Grease Control BA	6 Months 6 Months
1/8/07 302 SEVENTH AVENUE	KUW First Creek 18		The sever main was flushed to remove the blockage caused by tools and mineticed by heavy rainfail. The sever main was flushed to remove the blockage caused by roots and was influenced by heavy rainfail.	720 2	Future Construction Planned	BA	6 Months
2/6/04 304 SEVENTH AVE 12/9/04 304 SEVENTH AVE	KUW First Creek 18 KUW First Creek 18		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	6660 18.5 ✓ 26,928 8 ✓	Future Construction Planned Future Construction Planned	BA	12 Months 12 Months
11/1/06 304 SEVENTH AVENUE	KUW First Creek 18		Heavy rainfail in the area resulted in high flows in the collection system.	558 5 V	Future Construction Planned	BA	6 Months
1/24/10 304 SEVENTH AVENUE 7/17/07 1935 CHIPMAN STREET	KUW First Creek 18 KUW First Creek 18		Rainfall in the area produced I & I and high flows in sever mains.	90 3	Current 5-Yr Plan N/A	BA	6 Months
7/17/07 1935 CHIPMAN STREET 1/6/09 2536 CECIL AVENUE	KUW First Creek 18 KUW First Creek 18		The sewer main was flushed to remove the blockage caused by grease and roots. Heavy rainfall in the area resulted in high flows in the collection system.	2,962 5.5 4,575 9 ✓	Future Construction Planned	B A / Grease Control BA/Grease Control	6 Months 6 Months
12/9/09 2536 CECIL AVENUE 1/24/10 2536 CECIL AVENUE	KUW First Creek 18 KUW First Creek 18		Heavy rainfall in the area resulted in high flows in the sever system.	<u>40</u> 0.5 ✓ 138060 8 ✓	Future Construction Planned Current 5-Yr Plan	N/A BA	N/A 6 Months
5/3/10 2536 CECIL AVENUE	KUW First Creek 18		Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	4200 2.25 ✓	Current 5-Yr Plan	BA	6 Months
11/30/10 2536 CECIL AVENUE 1/25/07 2862 LONDON CIRCLE	KUW First Creek 18 KUW First Creek 18	11110011	Rainfall in the area produced I & I and high flows in sewer mains. The sewer main was flushed to remove the blockage caused by grease.	17250 8 ✓ 240 1	Current 5-Yr Plan N/A	BA B A / Grease Control	6 Months 12 Months
9/15/07 325 PELHAM ROAD	KUW Williams Creek 19	Leaking Force Main	There was a leak on a 6* force main.	90 1	N/A	Repair Complete	N/A
8/22/07 2701 WILSON AVENUE 3/27/07 2856 JEFFERSON AVENUE	KUW Williams Creek 19 KUW Williams Creek 19		The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by roots.	540 6 30 1	Construction Completed Construction Completed	B A / Grease Control B A	12 Months 6 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 debris.	160 1	Construction Completed	BA	3 Months
2/22/03 203 CHILHOWEE DR 9/25/06 203 S. CHILHOWEE DRIVE	LC Loves Creek 20 LC Loves Creek 20		Heavy rainfall in the area resulted in high flows in the collection system. Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	1800 <u>3</u> 2160 6	Future Construction Planned Future Construction Planned	BA BA	12 Months 12 Months
5/28/08 203 S. CHILHOWEE DRIVE	LC Loves Creek 20		Heaving between optication and 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 2/14/10 302 LINGBURTON AVENUE	LC Loves Creek 20 LC Loves Creek 20		Heavy rainfall in the area resulted in high flows in the collection system. There was a mechanical failure of the residential grinder pump.	<u>6,100</u> 12 ✓	Future Construction Planned N/A	N/A Repair Completed	N/A N/A
2/4/08 516 NORTH 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	N/A	BA	6 Months
10/15/09 4201 ASHEVILLE HIGHWAY 2/21/08 4257 SKYLINE DRIVE	LC Loves Creek 20 LC Loves Creek 20		Heavy rainfall in the area resulted in high flows in the sewer system. The sewer main was physically cleaned and flushed to remove the blockage caused by debris and due to vandalism.	50 0.5 5 0.5	Future Construction Planned N/A	N/A Repair 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 Complete	N/A
2/13/08 4315 RUTLEDGE PIKE 11/1/10 5415 HOLSTON DRIVE	LC Loves Creek 20 LC Loves Creek 20		The electrical breaker on the commercial grinder pump station was turned back on.		N/A	Repair Completed	N/A
8/12/09 5745 SANDIS LANE		Broken Force Main		100 Unknown 170 1.5	N/A		N/A
	LC Loves Creek 20	Force Main	The SSO was caused by a broken force main. The force main was damaged during installation of an electric pole.	170 1.5 5,240 1	N/A N/A	Repair Completed Repair Completed	N/A N/A
1/24/10 5760 SANDIS LANE 3/11/08 4623 WEBB LANE	LC Loves Creek 20 LC Loves Creek 20	Force Main Influent Structure	The SSO was caused by a broken force main. The force main was damaged during installation of an electric pole. There was a temporary electrical power failure at the WWTP during a high rainfall event.	170 1.5 5,240 1 190000 0.75	N/A N/A	Repair Completed Repair Completed N/A	N/A N/A
3/11/08 4623 WEBB LANE 3/22/07 4744 S. MIDDLEBROOK PIKE	LC Loves Creek 20 LC Loves Creek 20 KUW Third Creek 21 KUW Third Creek 21	Force Main Influent Structure Lateral Cleanout Abandoned Lateral	The SSO was caused by a broken force main. The force main was damaged during installation of an electric pole. There was a temporary electrical power failure at the WWTP during a high rainfall event. The sewer lateral was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by roots and debris.	170 1.5 5,240 1 190000 0.75 180 1 1,500 5	N/A N/A N/A N/A	Repair Completed Repair Completed N/A Repair Completed B A	N/A N/A N/A 6 Months
3/11/08 4623 WEBB LANE 3/22/07 4744 S. MIDDLEBROOK PIKE 6/26/09 4900 LANDBROOK DRIVE	LC Loves Creek 20 LC Loves Creek 20 KUW Third Creek 21 KUW Third Creek 21 KUW Third Creek 21	Force Main Influent Structure Lateral Cleanout Abandoned Lateral MH 27-6	The SSO was caused by a broken force main. The force main was damaged during installation of an electric pole. There was a temporary electrical power failure at the VWVTP during a high rainfall event. The sewer lateral was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by roots, grease and debris. The sewer main was flushed to remove the blockage caused by roots, grease and debris.	170 1.5 5,240 1 190000 0.75 180 1 1,500 5 153 1.5	N/A N/A N/A N/A N/A	Repair Completed Repair Completed N/A Repair Completed	N/A N/A 6 Months 3 Months
3/11/08 4623 WEBB LANE 3/22/07 4744 S. MIDDLEBROOK PIKE 6/26/09 4900 LANDBROOK DRIVE 7/30/08 5405 LANCE DRIVE 3/10/10 955 KNOXVILLE COLLEGE DRIVE	LC Loves Creek 20 LC Loves Creek 20 KUW Third Creek 21	Force Main Influent Structure Lateral Cleanout Abandoned Lateral MH 27-6 MH 10-85 MH 6-78	The SSO was caused by a broken force main. The force main was damaged during installation of an electric pole. There was a temporary electrical power failure at the WWTP during a high rainfall event. The sewer lateral was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by vandalism.	170 1.5 5,240 1 190000 0.75 180 1 1,500 5 153 1.5 4,900 24 1250 1	N/A N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed N/A Repair Completed B A BA/Grease Control BA BA BA	N/A N/A N/A 6 Months 3 Months 6 Months 12 Months
3/11/08 4623 WEBB LANE 3/22/07 4744 S. MIDDLEBROOK PIKE 6/26/09 4900 LANDBROOK DRIVE 7/30/08 5405 LANCE DRIVE 3/10/10 955 KNOXVILLE COLLEGE DRIVE 1/7/08 1530 LOUISIANA AVENUE	LC Loves Creek 20 LC Loves Creek 20 KUW Third Creek 21 E KUW Third Creek 22 KUW Third Creek 22 KUW Third Creek 22	Force Main Influent Structure Lateral Cleanout Abandoned Lateral MH 27-6 MH 10-85 MH 6-78 Abandoned Lateral	The SSO was caused by a broken force main. The force main was damaged during installation of an electric pole. There was a temporary electrical power failure at the WWTP during a high rainfall event. The sewer lateral was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by vandalism. The sewer main was flushed to remove the blockage caused by heavy debris.	170 1.5 5,240 1 190000 0.75 180 1 1,500 5 153 1.5 4,900 24 1250 1 6,800 4	N/A N/A N/A N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed N/A Repair Completed B A BA BA	N/A N/A N/A 6 Months 3 Months 6 Months 12 Months 12 Months
3/11/08 4623 WEBB LANE 3/22/07 4744 S. MIDDLEBROOK PIKE 6/26/09 4900 LANDBROOK DRIVE 7/30/08 5405 LANCE DRIVE 3/10/10 955 KNOXVILLE COLLEGE DRIVE	LC Loves Creek 20 LC Loves Creek 20 KUW Third Creek 21	Force Main Influent Structure Lateral Cleanout Abandoned Lateral MH 27-6 MH 10-86 MH 6-78 Abandoned Lateral MH 16-13	The SSO was caused by a broken force main. The force main was damaged during installation of an electric pole. There was a temporary electrical power failure at the WWTP during a high rainfall event. The sewer lateral was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by roots and debris. The sewer main was flushed to remove the blockage caused by vandalism.	170 1.5 5,240 1 190000 0.75 180 1 1,500 5 153 1.5 4,900 24 1250 1 6,800 4	N/A N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed N/A Repair Completed B A BA/Grease Control BA BA BA	N/A N/A N/A 6 Months 3 Months 6 Months 12 Months
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3/11/08 4623 WEBB LANE 3/22/07 4744 S. MIDDLEBROOK PIKE 6/26/09 4900 LANDBROOK DRIVE 7/30/08 5405 LANCE DRIVE 3/10/10 955 KNOXVILLE COLLEGE DRIVE 3/10/10 955 KNOXVILLE COLLEGE DRIVE 1/17/08 1530 LOUISIANA AVENUE 3/23/07 2437 KEITH AVENUE 3/23/07 2437 KEITH AVENUE 2/5/10 2621 BRAGG STREET 10/27/06 2706 MYNDERS AVENUE 9/28/09 2706 MYNDERSE AVENUE 2/2/10 22610 NDERSE AVENUE	LC Loves Creek 20 LC Loves Creek 20 KUW Third Creek 21 KUW Third Creek 22	Force Main Influent Structure Lateral Cleanout Abandoned Lateral MH 27-6 MH 10-85 MH 6-78 Abandoned Lateral MH 16-13 Lateral MH 16-13 MH 18-3 MH 18-3	The SSO was caused by a broken force main. The force main was damaged during installation of an electric pole. There was a temporary electrical power failure at the WWTP during a high rainfall event. These was a temporary electrical power failure at the WWTP during a high rainfall event. The sewer lateral was flushed to remove the blockage caused by debris. The sever main was flushed to remove the blockage caused by roots and debris. The sever main was flushed to remove the blockage caused by roots and debris. The sever main was flushed to remove the blockage caused by roots and debris. The sever main was flushed to remove the blockage caused by roots and debris. The sever main was flushed to remove the blockage caused by roots and debris. The sever main was flushed to remove the blockage caused by roots and debris. The sever main was flushed to remove the blockage caused by roots and debris. The sever main was flushed to remove the blockage caused by roots and debris. The sever main was flushed to remove the blockage caused by heavy debris. The sever main was flushed to remove the blockage caused by heavy debris. The sever main was flushed to remove the blockage caused by heavy debris. The sever main was flushed to remove the blockage caused by heavy debris. The sever main was flushed to remove the blockage caused by heavy rainfall. Heavy rainfall in te are resulted in high flows	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed N/A Repair Completed B A BA/Orease Control BA	N/A N/A N/A 6 Months 3 Months 6 Months 12 Months 6 Months 6 Months 6 Months 3 Months 6 Months
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3/11/08 4623 WEBB LANE 3/22/07 4744 S. MIDDLEBROOK PIKE 6/26/09 4900 LANDBROOK DRIVE 7/30/08 5405 LANCE DRIVE 3/10/10 955 KNOXVILLE COLLEGE DRIVE 1/7/08 1530 LOUISIANA AVENUE 1/7/09 2126 TENNESSEE AVENUE 3/23/07 2437 KEITH AVENUE 2/26/10 2621 BRAGG STREET 10/27/06 2706 MYNDERS AVENUE 9/28/09 2706 MYNDERS AVENUE 2/2/10 2706 MYNDERSE AVENUE 2/5/10 2706 MYNDERSE AVENUE 2/2/10 2706 MYNDERSE AVENUE 2/5/10 2706 MYNDERSE AVENUE 2/5/10 2706 MYNDERSE AVENUE	LC Loves Creek 20 LC Loves Creek 20 KUW Third Creek 21 KUW Third Creek 21 KUW Third Creek 21 KUW Third Creek 21 KUW Third Creek 22	Force Main Influent Structure Lateral Cleanout Abandoned Lateral MH 27-6 MH 10-85 MH 10-85 Abandoned Lateral MH 16-13 Lateral MH 21-123 MH 18-3 MH 18-3 Broken Sewer MH 21-33	The SSO was caused by a broken force main. The force main was damaged during installation of an electric pole. There was a temporary electrical power failure at the WWTP during a high rainfall event. The sewer rain was flushed to remove the blockage caused by debris. The sewer rain was flushed to remove the blockage caused by roots and debris. The sewer rain was flushed to remove the blockage caused by roots and debris. The sewer rain was flushed to remove the blockage caused by roots and debris. The sewer rain was flushed to remove the blockage caused by roots and debris. The sewer rain was flushed to remove the blockage caused by roots and debris. The sewer rain was flushed to remove the blockage caused by roots and debris. The sewer rain was flushed to remove the blockage caused by roots and debris. The sewer rain was flushed to remove the blockage caused by roots. The sever rain was flushed to remove the blockage caused by roots. The sever rain was flushed to remove the blockage caused by roots. The sever main was flushed to remove the blockage caused by roots. The sever main was flushed to remove the blockage caused by roots. The sever main was flushed to remove the blockage caused by roots. The sever main was flushed to remove the blockage caused by roots. The sever main was flushed to remove the blockage caused by roots. The sever main was	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	Repair Completed Repair Completed N/A Repair Completed B A BA/Grease Control BA	N/A N/A N/A 6 Months 3 Months 6 Months 12 Months 12 Months 6 Months 6 Months 6 Months 6 Months 6 Months 6 Months 6 Months
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Date	Street # Street	Plant	Watershed	Basin Overflow Location	Private Property Location		Event occurred two Duration (Hours) or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
1/7/09 3/18/09	5315 SHANNONDALE ROAD 4125 GREENWAY DRIVE		First Creek First Creek		The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall. 5,040 There was an unconnected private sewer main. Unknow		14 Unknown	N/A Curent 5-Yr Plan	BA N/A	3 Months N/A
6/18/08	1721 IROQUOIS STREET	KUW	Williams Cre	25 Leaking Pipe	There was a leak in the sewer main. 5		3	N/A	Repair Completed	N/A
4/20/06 5/6/08	2017 AMHERST AVENUE 2052 DANDRIDGE AVENUE		Williams Cre Williams Cre		The sewer main was flushed to remove the blockage caused by debris and resulting from vandalism. 1 The sewer main was flushed to remove the blockage caused by debris. 115		0.17 0.25	N/A N/A	Repair Completed BA	N/A 6 Months
6/24/09	2052 DANDRIDGE AVENUE		Williams Cre		The sever main was fushed to remove the blockage caused by grease.		1	N/A	BA/Grease Control	12 Months
11/5/09	3108 LANDVIEW DRIVE		Loves Cree		The sever main was flushed to remove the blockage caused by roots. 260		1	N/A	BA	6 Months
5/3/10 2/21/08	5816 HOLSTON HILLS ROAD 1105 PARK HILL CIRCLE		Loves Cree Fourth Cree		BBU The SSO/BBU was caused by temporary electrical failure during high rainfall event. 940 The sewer main was flushed to remove the blockage caused by grease. 145		1.5	N/A N/A	Repair Completed / BA BA/Grease Control	12 Months 6 Months
2/21/08	1463 EAST WEISGARBER ROAD		Fourth Cree		The sever main was nousined to remove the blockage dataset by grease. 143		5	N/A	Repair Completed	N/A
7/13/07	1540 AMHERST ROAD		Fourth Cree	27 MH 22-74	The sever main was flushed to remove the blockage caused by debris. 16,560		72	N/A N/A	B A BA/Grease Control	6 Months 6 Months
9/30/08 3/21/06	5915 CASEY DRIVE 6917 SEAVER DRIVE		Fourth Cree Fourth Cree		The sewer main was flushed to remove the blockage caused by grease and roots. 375 The sewer main was flushed to remove the blockage caused by debris. 2256		0.25 0.5	N/A N/A	BA/Grease Control BA	12 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 409 NORTH BELLEMEADE AVE	KUW		28 MH 3-53	Heavy rainfall in the area resulted in high flows in the collection system. 75 The sewer main was flushed to remove the blockage caused by grease. 2805		1.25 ✓ 27 ✓	Construction Completed Construction Completed	BA BA/Grease Control	1 Month 1 Month
10/19/04 12/9/04	409 NORTH BELLEMEADE AVE	KUW KUW		28 Underground Flow 28 MH 3-53	The sewer main was flushed to remove the blockage caused by grease. 2805 Heavy rainfall in the area resulted in high flows in the collection system. 2640		22 1	Construction Completed	BA/Grease Control 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	D	1	N/A	Repair Completed	N/A
3/8/10	1904 SANDERSON ROAD 3413 PILKAY ROAD	KUW KUW		28 MH 16-27 28 MH 8-1	The sewer main was flushed to remove the blockage caused by debris and the protruding lateral was trimmed. 50 The sewer main was flushed to remove the blockage caused by grease and debris. 5,320		1	N/A Construction Completed	Repair Completed/BA N/A	6 Months N/A
12/7/08	4209 LAMOUR DRIVE		Third Creek		The sever main was flushed to remove the blockage caused by grease and debits. 5,324		2	N/A	BA	6 Months
10/25/10	4509 PAPERMILL DRIVE	KUW		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		28 Lateral Cleanout	The sever main was flushed to remove the blockage caused by roots and grease. 1450		2 1 ✓	N/A	BA	6 Months
2/1/07 8/6/07	300 KINGSTON COURT 300 KINGSTON COURT	KUW KUW			The sewer main was flushed to remove the blockage caused by roots. 180 The sewer main was repaired. 10		1 1	N/A N/A	Repair Complete Repair Complete	N/A N/A
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	1	N/A	BA/Grease Control	12 Months
7/15/10	2201 HIGHLAND AVENUE	KUW			The sewer main was flushed to remove the blockage caused by debris. 100		1	N/A	BA	12 Months
6/28/10 12/3/08	2911 JERSEY AVENUE 3413 KINGSTON PIKE	-	Third Creek Third Creek	29 MH 8-30 29 Broken Pipe	The sewer main was flushed to remove the blockage caused by roots. 3,200 There was a collapsed pipe on an undesignated sewer main. 200		24	Construction Underway Future Construction Planned	BA	3 Months N/A
5/25/09	1800 MIDDLEBROOK PIKE	KUW		29 MH 38	The sever main was flushed to remove the blockage caused by grease.		1	N/A	BA/Grease Control	3 Months
2/16/07	100 S HALL OF FAME DRIVE	KUW	First Creek	30 MH 14-3	The sewer main was flushed to remove the blockage caused by debris. 400	C	3	N/A	BA	6 Months
10/24/07	100 E. MAGNOLIA AVENUE	KUW		30 MH 35	The sever main was flushed to remove the blockage caused by debris. 1800		1	N/A	BA	6 Months
6/27/07 9/6/08	208 HUMES STREET 301 E CHURCH AVENUE		First Creek First Creek		The sewer main was flushed to remove the blockage caused by debris. 30 The sewer main was flushed to remove the blockage caused by debris. 1,438		8	N/A N/A	B A BA	12 Months 12 Months
8/16/10	815 SOUTH CENTRAL STREET		First Creek		Rainfall in the area produced I & I and high flows in sewer mains. 250		0.5	Current 5-Yr Plan	N/A	N/A
5/25/07	1749 RIVERSIDE DRIVE		Williams Cre		The sewer main was flushed to remove the blockage caused by grease. 711		2 🗸	N/A	B A / Grease Control	6 Months
9/26/10 9/6/10	906 BATHURST ROAD 8083 KINGSTON PIKE		Fourth Cree Fourth Cree		Their was a partial blockage in the sewer main caused by roots and influenced by heavy rainfall 5 The sewer main was damaged during a gas main installation. 24000		48	Future Construction Planned N/A	BA Repair Completed	12 Months N/A
10/6/07	120 MORRELL ROAD		Fourth Cree		The sever main was fushed to remove the blockage caused by grease. 360		1	N/A	B A / Grease Control	6 Months
11/9/08	120 MORRELL ROAD		Fourth Cree		The sewer main was flushed to remove the blockage caused by grease. 240	C	1	N/A	BA/Grease Control	6 Months
5/20/10	410 HASTINGS LANE		Fourth Cree		The sever main was flushed to remove the blockage caused by roots. 200		1	N/A Construction Completed	BA	6 Months N/A
3/26/09 3/10/10	6024 BROOKVALE LANE 6024 BROOKVALE LANE		Fourth Cree Fourth Cree		Heavy rainfall in the area resulted in high flows in the collection system. 90 Rainfall in the area produced I & I and high flows in sever mains. Unknow		Unknown	Current 5-Yr Plan	N/A N/A	N/A N/A
11/27/07	6410 DEANE HILL DRIVE	FC	Fourth Cree	33 MH 1-26	The sewer main was flushed to remove the blockage caused by grease. 180	С	1	N/A	B A / Grease Control	6 Months
12/3/10	100 LEBANON STREEET	KUW			The SSO was caused by a broken manhole connection. 40		2	N/A N/A	Repair Completed	N/A
1/27/10 4/17/10	4611 KINGSTON PIKE 5011 KINGSTON PIKE	KUW FC	Third Creek Fourth Cree		There was a collapsed portion of the sewer main. 1,000 The sewer main was flushed to remove the blockage caused by debris and a protruding lateral was trimmed. 290		1	N/A Future Construction Planned	Repair Completed N/A	N/A N/A
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		Third Creek		Heavy rainfall in the area resulted in high flows in the collection system. 5,600		11	Future Construction Planned	N/A	N/A
10/6/08 4/3/03	1211 ROCKY HILL ROAD 1215 ROCKY HILL RD		Fourth Cree Fourth Cree		The sewer main was flushed to remove the blockage caused by grease and roots. 217 The sewer main was flushed to remove the blockage caused by grease. 240		2	N/A N/A	BA/Grease Control BA/Grease Control	6 Months 12 Months
5/22/04	1215 ROCKY HILL RD		Fourth Cree		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		Fourth Cree		The sewer main was flushed to remove the blockage caused by debris and pipe sags. 60		1.25	N/A	BA	6 Months
3/24/07 4/30/10	1325 WILLMANN LANE 6712 DEANE HILL DRIVE		Fourth Cree Fourth Cree		BBU The sewer main was flushed to remove the blockage caused by roots. 1,575 The sewer main was flushed to remove the blockage caused by a collapsed manhole and the manhole was repaired. 4320		1	N/A N/A	B A Repair Completed	6 Months N/A
12/21/08	6902 S. NORTHSHORE DRIVE		Fourth Cree		The sever man was included up termore are blockage caused by a College termore and the mannee was repaired. 4000		1	N/A	BA	6 Months
10/26/09	6905 WESTLAND DRIVE	FC	Fourth Cree	36 Subsurface	The sewer main was flushed to remove the blockage caused by roots. 4,745		2	Construction Completed	N/A	N/A
10/16/09	7100 ROTHERWOOD DRIVE 7100 ROTHERWOOD DRIVE		Fourth Cree Fourth Cree		There was a process failure of a construction bypass pumping system. The process was restored 700 Rainfall in the area produced I & I and high flows in sewer mains. 41575		1.5 36 ✓	Construction Underway Construction Completed	N/A N/A	N/A N/A
1/25/10 2/5/10	7104 ROTHERWOOD DRIVE		Fourth Cree		Rainfall in the area produced 1 & 1 and high flows in sever mains. 4107		71 ✓	Construction Completed	N/A N/A	N/A N/A
1/12/09	7105 DULANEY WAY	FC	Fourth Cree	36 MH 12-86	The sewer main was flushed to remove the blockage caused by roots. 1,780	30	3.5	N/A	BA	6 months
11/13/02	7112 SHADYLAND DR		Fourth Cree		The sever main was flushed to remove the blockage caused by roots. 720		4 ✓ 40 ✓	Construction Underway	BA	12 Months
3/9/03 9/23/06	7112 SHADYLAND DR 7112 SHADYLAND DRIVE		Fourth Cree Fourth Cree		The sewer main was flushed to remove the blockage caused by debris. 19,200 Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains. 4320		40 ✓ 8	Construction Underway Construction Underway	BA	12 Months 6 Months
12/11/08	7112 SHADYLAND DRIVE		Fourth Cree		Heavy rainfall in the area resulted in high flows in the collection system. 62		1	Construction Underway	BA	6 Months
1/6/09	7112 SHADYLAND DRIVE		Fourth Cree		Heavy rainfall in the area resulted in high flows in the collection system. 17300		24	Construction Underway	BA	6 Months
9/5/02 6/17/04	7712 SHADYLAND DR 1500 LYONS BEND RD (4TH CREEK)		Fourth Cree		The sewer main was flushed to remove the blockage caused by roots. 180 service. 2000		3 ✓ 0.58	Construction Underway N/A	Changes to SOP and Operator Training	12 Months N/A
9/22/04	1500 LYONS BEND RD (4TH CREEK)		Fourth Cree		WWTP/There was a mechanical failure of a hydraulic system that resulted in a temporary influent gate closure. 102,48		0.5	N/A	Repair Completed	N/A
11/24/04	1500 LYONS BEND RD (4TH CREEK)		Fourth Cree		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 12/9/04	1500 LYONS BEND RD (4TH CREEK) 1500 LYONS BEND RD (4TH CREEK)				Heavy rainfall in the area resulted in high flows in the collection system. 113,59 WWTP/The aeration splitter box overflowed due to excessive wet weather flows through the WWTP. 29,12:		1.83 ✓ 2.67	N/A N/A	N/A N/A	N/A N/A
3/28/05	1500 LYONS BEND RD (4TH CREEK)		Fourth Cree		www.r/ine aerauoinspinier box overinowed use to Accessive wer wearter nows tindogri nie vwwrr. 25,12,2		2 1	N/A	N/A N/A	N/A
9/23/06	1500 LYONS BEND DRIVE		Fourth Cree	37 Influent Structure	Plant influent gate was partially closed to prevent damage to critical plant equipment by high flows. 48900	00	2.88	N/A	Changes to SOP and Operator Training	N/A
6/7/07 9/26/09	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD		Fourth Cree Fourth Cree		There was a leak from a valve on a sludge line. 25 There was an electrical failure at the plant. Electrical power was restored to the plant. 40,000		0.58 0.06 ✓	N/A N/A	Repair Complete Changes to SOP and Operator Training	N/A N/A
9/26/09	1500 LYONS BEND ROAD 1500 LYONS BEND ROAD		Fourth Cree		There was an electrical failure at the plant. Electrical power was restored to the plant. 40,000 There was an electrical failure at the plant. Electrical power was restored to the plant. 480,000 480,000		0.45 ✓	N/A N/A	Repair Complete	N/A N/A
1/24/10	1500 LYONS BEND ROAD	FC	Fourth Cree	37 Influent Structure & MLSS Wetwe	Rainfall in the area produced I & I and high flows in sewer mains. 74000	00	1.62	Future Construction Planned	N/A	N/A
12/1/10	1500 LYONS BEND ROAD		Fourth Cree		Rainfall in the area produced I & I and high flows in sewer mains. 1840000		11.5	Future Construction Planned N/A	N/A Repair Completed	N/A
8/27/10 1/18/10	1700 EVENING SHADE LANE 1712 POLKWRIGHT LANE		Fourth Cree Fourth Cree		The SSO was caused by a broken force main. 10 There was an electrical failure of the residential grinder pump. 5		3	N/A N/A	Repair Completed Repair Completed	N/A N/A
3/2/08	1720 POLKWRIGHT LANE		Fourth Cree	37 Wetwell	The mechanical failure of the residential grinder pump. 3		0.08	N/A	Repair Completed	N/A
9/25/06	6410 S. NORTHSHORE DRIVE	FC	Fourth Cree	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. 30438		6	Construction Completed	N/A	N/A
2/19/10	6410 SOUTH NORTHSHORE DRIVE		Fourth Cree Fourth Cree		Rainfall in the area produced I & I and high flows in sewer mains. Unknow Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,916,0		Unknown 2 V	Future Construction Planned N/A	N/A Repair Completed	N/A N/A
	FOURTH CREEK WWTP		Fourth Cree		During high flow conditions, value operations deem an ecosity of yoperator to control flow into the WWTP resulted in an inadvertent overflow.		0.13 ✓	N/A	Changes to SOP and Operator Training	N/A
	FOURTH CREEK WWTP FOURTH CREEK WWTP		Fourth Cree		The influent gate experienced a mechanical failure of the hydraulic operating system. 569,00		2 🗸	N/A	Repair Completed	N/A
3/18/02 4/19/02	FOURTH CREEK WWTP FOURTH CREEK WWTP			37 Influent Structure	During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadventent overflow. 136,00		2 🗸	N/A	Changes to SOP and Operator Training	N/A
3/18/02 4/19/02 2/15/03	FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP	FC	Fourth Cree		During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow. 871,00	<i>,</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				N/A
3/18/02 4/19/02 2/15/03	FOURTH CREEK WWTP FOURTH CREEK WWTP	FC FC	Fourth Cree Fourth Cree Fourth Cree	37 Influent Structure	During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow. 26,711	10	6 ✓ 8.5 ✓	N/A N/A	Changes to SOP and Operator Training Changes to SOP and Operator Training	N/A
3/18/02 4/19/02 2/15/03 2/16/03 5/6/03	FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP	FC FC FC FC	Fourth Cree Fourth Cree Fourth Cree	37 Influent Structure 37 Influent Structure 37 Influent Structure 37 Influent Structure	During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow. 26,711 Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,500,0		9		Changes to SOP and Operator Training Changes to SOP and Operator Training N/A	N/A N/A
3/18/02 4/19/02 2/15/03 2/16/03 5/6/03 5/15/03 7/9/03	FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP	FC FC FC FC FC	Fourth Cree Fourth Cree Fourth Cree Fourth Cree	37 Influent Structure	Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,500,0 Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,370,0	000	8.5 × 3 × 3.14 ×	N/A N/A N/A	Changes to SOP and Operator Training N/A N/A	N/A N/A
3/18/02 4/19/02 2/15/03 2/16/03 5/6/03 5/15/03 7/9/03 12/11/03	FOURTH CREEK WWTP FOURTH CREEK WWTP	FC FC FC FC FC FC	Fourth Cree Fourth Cree Fourth Cree Fourth Cree Fourth Cree	37 Influent Structure	Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,500,0 Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,370,0 An electronic failure resulted in the shutdown of the influent pumps and the subsequent closure of the influent gate. 48,650	000 000 50	8.5 ✓ 3 ✓ 3.14 ✓ 0.33 ✓	N/A N/A N/A N/A	Changes to SOP and Operator Training N/A N/A Repair Completed	N/A N/A N/A
3/18/02 4/19/02 2/15/03 2/16/03 5/6/03 5/15/03 7/9/03 12/11/03 1/28/08	FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP FOURTH CREEK WWTP	FC FC FC FC FC FC	Fourth Cree Fourth Cree Fourth Cree Fourth Cree Fourth Cree Third Cree	37 Influent Structure 38 MH 50-7	Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,500,0 Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,370,0	000 000 50	8.5 × 3 × 3.14 ×	N/A N/A N/A	Changes to SOP and Operator Training N/A N/A	N/A N/A
5/15/03 7/9/03 12/11/03 1/28/08 5/10/09 2/6/08	FOURTH CREEK WWTP FOURTH CREEK WWTP 501 NOELTON DRIVE 3560 TLAHI DRIVE 200 AVENUE C	FC FC FC FC FC FC KUW KUW	Fourth Cree Fourth Cree Fourth Cree Fourth Cree Fourth Cree Third Cree South Knoxy	37 Influent Structure 38 MH 50-7 38 Lateral Cleanout 39 MH 40-27 & BBU	Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,500,0 Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,370,0 An electronic failure resulted in the shutdown of the influent pumps and the subsequent closure of the influent gate. 48,65 The sever main was flushed to remove the blockage caused by grease and debris. 180 The sever main was flushed to remove the blockage caused by grease. 440	000 000 50 0 0 0	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	N/A N/A N/A N/A N/A N/A N/A	Changes to SOP and Operator Training NA NA Repair Completed Repair Completed BA BA/Grease Control	N/A N/A N/A N/A 12 Months 6 Months
3/18/02 4/19/02 2/15/03 2/16/03 5/6/03 5/15/03 7/9/03 12/11/03 1/28/08 5/10/09 2/6/08 7/7/05	FOURTH CREEK WWTP FOURTH CREEK WWTP 501 NOELTON DRIVE 3360 TALAHI DRIVE 200 AVENUE C 428 MARYVILLE PIKE	FC FC FC FC FC KUW KUW KUW	Fourth Cree Fourth Cree Fourth Cree Fourth Cree Fourth Cree Third Cree South Knoxy South Knoxy	37 Influent Structure 38 MH 50-7 38 Lateral Cleanout a 39 MH 40-27 & BBU a 39 MH 29-2 & 30	Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,500,0 Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,370,0 An electronic failure resulted in the shutdown of the influent pumps and the subsequent closure of the influent gate. 48,65 The sever main was flushed to remove the blockage caused by grease and debris. 180 The sever main was flushed to remove the blockage caused by debris. 140 The sever main was flushed to remove the blockage caused by debris. 140 Heavy rainfall in the area resulted in high flows in the collection system. 12,24	0000 0000 50 0 0 0 0 40	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	N/A N/A N/A N/A N/A N/A N/A Construction Completed	Changes to SOP and Operator Training N/A N/A Repair Completed Repair Completed BA BA/Grease Control BA	N/A N/A N/A N/A 12 Months 6 Months 12 Months
3/18/02 4/19/02 2/15/03 2/16/03 5/6/03 5/15/03 7/9/03 12/11/03 1/28/08 5/10/09 2/6/08	FOURTH CREEK WWTP FOURTH CREEK WWTP 501 NOELTON DRIVE 3560 TLAHI DRIVE 200 AVENUE C	FC FC FC FC FC KUW KUW KUW KUW	Fourth Cree Fourth Cree Fourth Cree Fourth Cree Fourth Cree Third Cree South Knoxy	37 Influent Structure 38 MH 50-7 38 Lateral Cleanout 39 MH 40-27 & BBU a 39 MH 30-	Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,500,0 Loss of electrical power to the plant during a severe storm resulted in a partial plant influent bypass. 1,370,0 An electronic failure resulted in the shutdown of the influent pumps and the subsequent closure of the influent gate. 48,65 The sever main was flushed to remove the blockage caused by grease and debris. 180 The sever main was flushed to remove the blockage caused by grease. 440	000 000 50 0 0 0 0 40 0	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	N/A N/A N/A N/A N/A N/A N/A	Changes to SOP and Operator Training NA NA Repair Completed Repair Completed BA BA/Grease Control	N/A N/A N/A N/A 12 Months 6 Months

Date	Street # Street	Plant Watershed Basin	Overflow Location	Private Property Location	Volume (Gallons)	Duration (Hou	Event occurred two or more time within 12 months	s Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
1/7/09 3/18/09	4125 GREENWAY DRIVE	KUW First Creek 1 KUW First Creek 2	MH 36 Private Sewer Connection	The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall. There was an unconnected private sewer main.	5,040 Unknown	14 Unknown		N/A Curent 5-Yr Plan	BA N/A	3 Months N/A
4/8/06 4/22/06		KUW South Knoxville 39 KUW South Knoxville 39	MH 29-2 MHs 29-2 & 30	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	360 26600	1 6	✓ ✓	Construction Completed Construction Completed	BABA	12 Months 12 Months
9/23/06 2/6/04		KUW South Knoxville 39 KUW South Knoxville 39	MHS 29-2 & 30 MH 30	Rainfall amounts between 3.95* & 5.05* fell across the service area producing I & I and high flows in the sewer mains. Heavy rainfall in the area resulted in high flows in the collection system.	71904 60,000	16 22.5	✓ ✓	Construction Completed Construction Completed	BA BA	12 Months 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 11/24/04	438 MARYVILLE PIKE 438 MARYVILLE PIKE	KUW South Knoxville 39 KUW South Knoxville 39	MH 29-2 & 30 MH 30 & 29-2	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	867 7200	4	✓ ✓	Construction Completed Construction Completed	BA BA	12 Months 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	1	Construction Completed	BA	12 Months
12/9/04 2/21/05	438 MARYVILLE PIKE 438 MARYVILLE PIKE	KUW South Knoxville 39 KUW South Knoxville 39	MH 29-2 & 30 MH 30	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	636,990 5040	24	✓ ✓	Construction Completed Construction Completed	BA	12 Months 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	1	Construction Completed	BA	12 Months
4/2/05 9/8/08	438 MARYVILLE PIKE 438 MARYVILLE PIKE	KUW South Knoxville 39 KUW South Knoxville 39	MH 30 MHs 27-1, 27-2 & Leaking Pipe	Heavy rainfall in the area resulted in high flows in the collection system. The event was related to a partial failure of the pump-around process during a sewer replacement project.	225	4	~	Construction Completed Construction Completed	BA Repair Completed	12 Months N/A
10/22/08		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 N/A	Repair Completed	N/A
3/6/09 10/20/09		KUW South Knoxville 39 KUW South Knoxville 39	MH 4-13 MH 62-21	The sewer main was flushed to remove the blockage caused by grease and roots. The sewer main was flushed to remove the blockage caused by roots.	405	6 2		N/A N/A	BA/Grease Control BA	6 months 6 Months
1/6/09 5/15/09	1233 MARYVILLE PIKE 1233 MARYVILLE PIKE	KUW South Knoxville 39 KUW South Knoxville 39	MH 27-115 MH 27-115	The sever 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 BA	N/A 6 Months
11/19/07	2021 CHEROKEE BLUFF DRIVE	KUW South Knoxville 39	MH 27-115 MH 27-280	The sewer main was flushed to remove the blockage caused by construction debris. The sewer main was flushed to remove the blockage caused by roots.	77	1.5		N/A	BA	6 Months
3/3/07 3/29/07		KUW South Knoxville 39 KUW South Knoxville 39	Leaking Joint Abandoned Lateral	There was a small leak at a pipe joint during a surcharge event caused by widespread power outages due to high winds.	15 2,588	1		Construction Completed	N/A Repair Complete	N/A N/A
7/5/10	3808 WEST BLOUNT AVENUE	KUW South Knoxville 39	Broken Sewer Lateral	An open, abandoned lateral was found in a wet-weather conveyance adjacent to the sewer main. The sewer main was flushed to remove the blockage caused by grease and debris.	13000	24		Shortline project to repair line in area	NA	NA
7/10/03 7/14/03	3821 W BLOUNT AVE 3821 W BLOUNT AVE	KUW South Knoxville 39 KUW South Knoxville 39	MH 29-2 & 30 MH 29-2	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1200 60	5	✓ ✓	Construction Completed Construction Completed	BABA	12 Months 12 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
4/21/06 5/6/03	4411 CYPRESS LANE MARYVILLE PIKE & BLOUNT AVE	KUW South Knoxville 39 KUW South Knoxville 39	MH 62-21 MH 29-2 & 30	The sewer main was flushed to remove the blockage caused by roots and debris. Heavy rainfall in the area resulted in high flows in the collection system.	225 5640	3 47	~	N/A Construction Completed	BABA	3 Months 12 Months
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	4	Construction Completed	BA/Grease Control	3 Months
11/10/03 3/19/02	614 SEVIER AVE 615 SEVIER AVE	KUW South Knoxville 40 KUW South Knoxville 40	MH 1-43 MH 1-43	BB The sewer main was flushed to remove the blockage caused by grease and debris.	240 5000	0.5	✓ ✓	Construction Completed Construction Completed	BA/Grease Control BA/Grease Control	3 Months 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 6/15/09		KUW South Knoxville 40 KUW South Knoxville 40	MH 1-43 & BBU MH 3-70	The sewer main was flushed to remove the blockage caused by debris during heavy rainfall. The sewer main was flushed to remove the blockage caused by roots and debris.	615 60	3		Construction Completed N/A	BA/Grease Control BA	3 Months 6 Months
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 7/27/04	1210 E MOODY AVE 1210 E MOODY AVE	KUW South Knoxville 40 KUW South Knoxville 40	MH 39 MH 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1080 1440	2 4	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	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
9/23/06 11/1/06	1210 E. MOODY AVENUE 1210 E. MOODY AVENUE	KUW South Knoxville 40 KUW South Knoxville 40	MH 39 MH 39	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains. Heavy rainfall in the area resulted in high flows in the collection system.	8640 720	6	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
12/10/08 1/6/09		KUW South Knoxville 40 KUW South Knoxville 40	MH 39 MH 39	Heavy rainfall in the area resulted in high flows in the collection system.	1,100 7,400	4		Future Construction Planned	N/A N/A	N/A N/A
5/8/09		KUW South Knoxville 40	MH 39	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	540	14.5	~	Construction Completed Future Construction Planned	N/A	N/A N/A
6/17/09		KUW South Knoxville 40 KUW South Knoxville 40	MH 39 MH 39	Heavy rainfall in the area resulted in high flows in the collection system.	51,771	3	✓ ✓	Future Construction Planned	N/A N/A	N/A N/A
7/13/09 7/28/09	1210 E MOODY AVENUE 1210 E. MOODY AVENUE	KUW South Knoxville 40	MH 39 MH 39	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	254 180	1	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
7/31/09	1210 E. MOODY AVENUE	KUW South Knoxville 40	MH 40	Rainfall in the area produced 1.8 Land high flows in sever mains.	40	0.5	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
9/26/09 1/25/10		KUW South Knoxville 40 KUW South Knoxville 40	MH 40 MH 39	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	1,780 Unknown	Unknown	~	40A2 Trunkline Phase 1 completed 2/11	NA	NA
5/3/10 6/13/07		KUW South Knoxville 40 KUW South Knoxville 40	MH 39 Leaking Force Main	Rainfall in the area produced I & I and high flows in sever mains.	750 225	5	~	40A2 Trunkline Phase 1 completed 2/11 N/A	NA Repair Complete	NA N/A
6/7/07		KUW South Knoxville 40	Leaking Force Main	There was a leak on a force main near the pump station. There was a small leak on a force main.	31	2		N/A N/A	Repair Complete	N/A N/A
4/4/05 5/24/05	3741 EAKERS ST 3741 EAKERS ST	KUW South Knoxville 40 KUW South Knoxville 40	MH 47-1 MH 47	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1,200 60	4	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
9/23/06		KUW South Knoxville 40	MHS 47 & 47-103	Rainfail amounts between 3.95* & 5.05* fell across the service area producing I & I and high flows in the sever mains.	10560	8		Future Construction Planned	N/A	N/A N/A
8/6/09 9/26/09	3741 EAKERS STREET 3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40	MH 47 MH 47 & 47-103	Rainfall in the area produced 1 & 1 and high flows in sever mains. Painfall in the area produced 1 & 1 and high flows in sever mains	224	0.5	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
1/25/10	3741 EAKERS STREET	KUW South Knoxville 40	MH 47 & 47-103 MH 47	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	Unknown	Unknown	1	40A2 Trunkline Phase 2 to be built late 2011	NA	NA
5/3/10 12/1/10	3741 EAKERS STREET	KUW South Knoxville 40 KUW South Knoxville 40	MH 47 MH 47	Rainfall in the area produced I & I and high flows in sewer mains. Rainfall in the area produced I & I and high flows in sewer mains.	450 1500	2.5	~	40A2 Trunkline Phase 2 to be built late 2011 40A2 Trunkline Phase 2 to be built late 2011	NA	NA
11/27/07	217 LINFORD ROAD	KUW Knob Creek 41	Leaking Force Main	There was a leak on a 12° force main.	95	1		N/A	Repair Complete	N/A
1/22/08 4/15/09	624 SOUTHBROOK DRIVE 811 EDWARDS DRIVE	KUW Knob Creek 41 KUW Knob Creek 41	Lateral Cleanout MH 107	Evidence indicates that the SSO occurred during the air test of a new main by a rehabilitation contractor. The sewer main was flushed to remove the blockage caused by grease.	249 60	1		N/A N/A	Repair Completed BA/Grease Control	N/A 6 months
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
9/24/07 1/6/09		KUW Knob Creek 41 KUW Knob Creek 41	Cut Force Main Wetwell	A contractor cut the pump station force main. Heavy rainfall in the area resulted in high flows in the collection system.	4,500 60,000	1.5	~	Future Construction Planned Future Construction Planned	Repair Complete N/A	N/A N/A
8/24/09		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	1	Future Construction Planned	N/A	N/A
9/23/09 9/26/09		KUW Knob Creek 41 KUW Knob Creek 41	Wetwell Wetwell	There was an electrical failure at the pump station. Electrical power was restored to the pump station. Rainfall in the area produced I & I and high flows in sewer mains.	14,400 6,000	8	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
9/27/09		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 BA	N/A 6 Months
12/12/09 7/20/08		KUW Knob Creek 41 KUW Knob Creek 41	MH 96 Lateral Cleanout	The sewer main was flushed to remove the blockage caused by an unknown object. Debris from a rehabilitation contractor caused a partial blockage. The sewer main was cleared and cleaned.	1,061 360	1		Future Construction Planned N/A	BA Repair Completed	6 Months N/A
9/12/10		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 N/A	Electricity was restored to station	NA
11/8/09 8/9/10		KUW South Knoxville 41 KUW South Knoxville 41	MH 107-2 MH 67-3	The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris.	510 35	1 3		N/A NA	BA/Grease Control blockage abatement	6 months 6 Months
2/16/03	FORD VALLEY LIFT STATION		Wetwell	Heavy rainfall in the area resulted in high flows in the collection system.	180	2	✓ ✓	Future Construction Planned Future Construction Planned	N/A	N/A
3/13/03 3/20/03		KUW Knob Creek 41 KUW Knob Creek 41	Wetwell Wetwell	The wastewater pump station overflowed due to an electrical failure at the station. The wastewater pump station overflowed due to a mechanical failure at the station.	600 600	0.5	✓ ✓	Future Construction Planned	N/A N/A	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 Future Construction Planned	N/A	N/A
3/31/03 5/7/03	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION	KUW Knob Creek 41 KUW Knob Creek 41	Wetwell	The wastewater pump station overflowed due to a mechanical failure at the station. Heavy rainfall in the area resulted in high flows in the collection system.	1500 2100	0.5	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	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 Future Construction Planned	N/A	N/A N/A
2/6/04 3/6/04	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION		Wetwell Wetwell	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	54,000 3000	9	~	Future Construction Planned	N/A N/A	N/A
6/25/04 1/8/08	FORD VALLEY LIFT STATION 7912 LIVINGSTON DRIVE	KUW Knob Creek 41 FC Fourth Creek 42	Wetwell MH 28-1	Heavy rainfall in the area resulted in high flows in the collection system.	11,520 120	4	~	Future Construction Planned N/A	N/A BA	N/A 6 Months
2/4/09	8560 WESTLAND DRIVE	FC Fourth Creek 42	Leaking ARV	The sewer main was flushed to remove the blockage caused by roots and debris. There was a leak from air-release valve on a high-pressure force main.	120 225	1	~	Future Construction Planned	N/A	N/A
7/22/09	8560 WESTLAND DRIVE 8560 WESTLAND DRIVE	FC Fourth Creek 42 FC Fourth Creek 42	Air Release Valve Air Release Valve	There was a leaking air release valve that resulted in a SSO.	37 4130	1	✓	Future Construction Planned	N/A Repair Completed	N/A N/A
2/12/10		FC Fourth Creek 42 FC Fourth Creek 43	Grinder Pump	The air release valve malfunctioned resulting in an SSO. The residential grinder pump was repaired after the electrical failure of the pump.	10	4		N/A	Repair Completed	N/A
2/12/10 1/2/06	2111 COVE VIEW WAY			There was a failure at a KUB-owned grinder pump station.	2	1 4 6		N/A	Densis Complete	N/A
1/2/06 6/10/07	2111 COVE VIEW WAY 2111 COVE VIEW WAY	FC Fourth Creek 43	Residential Grinder Pump		-	1.5 504 Intermitten	tly		Repair Complete Repair Completed	
1/2/06	2111 COVE VIEW WAY 2111 COVE VIEW WAY 5212 BENT RIVER BOULEVARD		Residential Grinder Pump Residential Grinder Pump Residential Grinder Pump	There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump.	741 22	1.5 504 Intermitten 3	tly	N/A N/A	Repair Completed Repair Completed	N/A N/A
1/2/06 6/10/07 7/23/09 3/19/10 3/24/08	2111 COVE VIEW WAY 2111 COVE VIEW WAY 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5219 BENT RIVER BOULEVARD	FC Fourth Creek 43	Residential Grinder Pump Residential Grinder Pump Wetwell & BBU	There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump was repaired.	741 22 15	504 Intermitten 3 1	tly	N/A N/A N/A	Repair Completed Repair Completed Repair Completed	N/A N/A
1/2/06 6/10/07 7/23/09 3/19/10 3/24/08 4/3/10 9/13/03	2111 COVE VIEW WAY 2111 COVE VIEW WAY 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5219 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5234 BENT RIVER BOULEVARD	FC Fourth Creek 43 FC Fourth Creek 43	Residential Grinder Pump Residential Grinder Pump Wetwell & BBU Residential Grinder Pump Grinder Pump	There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump was repaired. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The residential grinder pump station was repaired and returned to service.	741 22		tly	N/A N/A N/A N/A N/A	Repair Completed Repair Completed	N/A N/A N/A N/A
1/2/06 6/10/07 7/23/09 3/19/10 3/24/08 4/3/10	2111 COVE VIEW WAY 2111 COVE VIEW WAY 5212 BENT RIVER BOULEVARD 5218 BENT RIVER BOULEVARD 5219 BENT RIVER BOULEVARD 5236 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD 5241 BENT RIVER BOULEVARD	FC Fourth Creek 43	Residential Grinder Pump Residential Grinder Pump Wetwell & BBU Residential Grinder Pump	There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump. The mechanical failure of the residential grinder pump was repaired. There was a mechanical failure of the residential grinder pump.	741 22 15 10	504 Intermitten 3 1 3	tly	N/A N/A N/A N/A	Repair Completed Repair Completed Repair Completed Repair Completed	N/A N/A N/A

Date Street # Street	Plant Watershed Basir	n Overflow Location Private Property Location	Cause of SSO/KUB Response	Volume (Gallons) Duration (Hours) Gallons	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
1/7/09 5315 SHANNONDALE ROAD 3/18/09 4125 GREENWAY DRIVE	KUW First Creek 1 KUW First Creek 2	MH 36 Private Sewer Connection	The sewer main was flushed to remove the blockage caused by roots and was influenced by heavy rainfall. There was an unconnected private sewer main.	5,040 14 Unknown Unknown	N/A Curent 5-Yr Plan	BA N/A	3 Months N/A
11/30/04 5246 BENT RIVER BOULEVARD 6/12/08 5246 BENT RIVER BOULEVARD	FC Fourth Creek 43 FC Fourth Creek 43	Grinder Pump Residential Grinder Pump	There was a mechanical failure in the residential grinder pump. There was a mechanical failure of the residential grinder pump.	5 2 25 3	N/A Construction Completed	Repair Completed Repair Completed	N/A N/A
8/4/08 5246 BENT RIVER BOULEVARD	FC Fourth Creek 43		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 N/A	Repair Completed	N/A
5/6/10 5246 BENT RIVER BOULEVARD 6/18/10 5246 BENT RIVER BOULEVARD	FC Fourth Creek 43 FC Fourth Creek 43		There was a mechanical failure of the residential grinder pump. There was a mechanical failure of the residential grinder pump.	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	N/A N/A	Repair Completed Repair Completed	N/A N/A
12/1/10 5246 BENT RIVER BOULEVARD	FC Fourth Creek 43		Grinder pump failure.	2 1 ✓	N/A	Repair Completed	N/A
8/30/10 5307 BENT RIVER BOULEVARD	FC Fourth Creek 43		There was a mechanical failure of the residential grinder pump.	15 1 ✓ 10 2.5 ✓	N/A N/A	Repair Completed Repair Completed	N/A N/A
11/17/10 5307 BENT RIVER BOULEVARD 9/21/03 5315 BENT RIVER BOULEVARD	FC Fourth Creek 43 FC Fourth Creek 43		Grinder pump failure. A landscaping contractor hit and damaged the control box for the residential grinder pump.	5 1	N/A	Repair Completed	N/A N/A
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 9/30/08 5323 BENT RIVER BOULEVARD	FC Fourth Creek 43 FC Fourth Creek 43		The electrical breaker on the residential grinder pump station was turned back on.	50 4 150 4	N/A N/A	Repair Completed Repair Completed	N/A N/A
12/13/10 5332 BENT RIVER BOULEVARD	FC Fourth Creek 43		There was a mechanical failure of an improperly-installed residential grinder pump. Grinder pump failure.	30 4	N/A	Repair Completed	N/A
7/25/10 5363 BENT RIVER BOULEVARD	FC Fourth Creek 43		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 4/24/07 5516 BROWN ATKIN DRIVE	FC Fourth Creek 43 FC Fourth Creek 43		There was an electrical failure of the residential grinder pump. There was a small leak on a low-pressure force main.	120 4	N/A N/A	Repair Completed Repair Complete	N/A N/A
5/3/02 2600 WOODSON DR	KUW South Knoxville 44		Heavy rainfall in the area resulted in high flows in the collection system.	900 1 V	Construction Completed	N/A	N/A
4/10/03 2600 WOODSON DR	KUW South Knoxville 44		Heavy rainfall in the area resulted in high flows in the collection system.	<u>510</u> 4.25 ✓ 2200 550 ✓	Construction Completed	N/A	N/A
5/5/03 2600 WOODSON DR 8/4/06 2600 WOODSON DRIVE	KUW South Knoxville 44 KUW South Knoxville 44		Heavy rainfall in the area resulted in high flows in the collection system. The electronic failures at the Woodson Drive Pump Station were repaired.	3300 550 ✓ 500 1	Construction Completed N/A	N/A Repair Completed	N/A N/A
2/18/09 2600 WOODSON DRIVE	KUW South Knoxville 44		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		Rainfall in the area produced 1.8.1 and high flows in sever mains.	2150 3 NO	is ropairing damaged cleanouts	NA N/A	NA
3/18/02 WOODSON LIFTSTATION	KUW South Knoxville 44 KUW South Knoxville 44		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	3000 10 ✓ 28,800 12 ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
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
2/14/03 WOODSON DR & DEANBROOK	R KUW South Knoxville 44	MH 2-1 MH 2-1	Heavy rainfall in the area resulted in high flows in the collection system.	16,500 22 ✓ 10,500 70 ✓	Construction Completed	N/A	N/A
2/22/03 WOODSON DR & DEANBROOK 5/11/03 WOODSON DR & DEANBROOK		MH 2-1 MH 2-1	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	10,500 70 ✓ 300 1.5 ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
5/31/04 WOODSON DRIVE LIFT STATIO	N 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
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	S NA
8/3/10 2641 MARYVILLE PIKE 3/12/06 2907 GINNBROOKE LANE	KUW South Knoxville 45 KUW Knob Creek 47	Residential Grinder Pump Pump Station Wetwell	There was a mechanical failure of the residential grinder pump. There was a total loss of electrical service to the station due to squirrels.	20 4 180 1 ✓	NA Construction Completed	Pump was repaired N/A	NA N/A
9/24/06 2907 GINNBROOKE LANE	KUW Knob Creek 47		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 V	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
5/22/01 GINNBROOKE LIFT STATION 6/25/01 GINNBROOKE LIFT STATION	KUW Knob Creek 47 KUW Knob Creek 47	MH 22 MH 22	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	12,000 2 ✓ 7200 1.5 ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
6/29/01 GINNBROOKE LIFT STATION	KUW Knob Creek 47		Heavy raining 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		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 11/11/02 GINNBROOKE LIFT STATION	KUW Knob Creek 47 KUW Knob Creek 47	MH 22 MH 22	Heavy rainfall in the area resulted in high flows in the collection system. The overflow occurred as the result of the loss of electrical power during a severe storm event.	36,000 12 ✓ 2700 3 ✓	Construction Completed Construction Completed	N/A Repair Completed	N/A N/A
3/6/04 GINNBROOK LIFT STATION	KUW Knob Creek 47	Wetwell	Pumperation failure Electronic/The electronic controls that actuate the pumps mail/nuctioned.	2250 0.75	Future Construction Planned	Repair Completed	N/A 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 12/26/07 5922 GRAY GABLES DRIVE	KUW Third Creek 49 FC Fourth Creek 49	Broken Force Main Lateral Cleanout	The SSO was the result of a broken force main. The sewer main was flushed to remove the blockage caused by debris.	72675 2 62 1	N/A N/A	Repair Completed B A	N/A 12 Months
7/10/08 2904 MOUNT PLEASANT ROAD	KUW Third Creek 50		The sever main was flushed to remove the blockage caused by organs and debris.	748 4	N/A N/A	BA	12 Months
1/25/10 6621 CLINTON HIGHWAY	KUW Third Creek 50		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		Power failure at the purp station caused by storm damage to the power lines.	<u>300 1</u> 38 2	N/A N/A	Repair Completed	N/A
8/6/08 1019 OGLESBY ROAD 10/19/07 1338 OGLESBY ROAD	LC Loves Creek 66 LC Loves Creek 66	•	The contractor was removing a temporary force main and allowed leakage to occur. There was a leak on a 8 ^e force main.	38 2 1,800 2 ✓	N/A Construction Completed	Repair Completed N/A	N/A N/A
10/27/07 1338 OGLESBY ROAD	LC Loves Creek 66		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		There was a leak on a 8" force main.	32,400 3 ✓	Construction Completed	N/A	N/A
2/5/08 1338 OGLESBY ROAD 2/17/08 206 CREEK STONE LANE	LC Loves Creek 66 EB Eastbridge 72	•	The force main was repaired. The service connection on the low-pressure force main was repaired.	<u> </u>	N/A N/A	Repair Completed Repair Completed	N/A N/A
4/9/10 8630 ASHEVILLE HIGHWAY	EB Eastbridge 72		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		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 2/26/03 BUD HAWKINS LIFT STATION	EB NEKUD 101 EB NEKUD 101		The wastewater pump station overflowed due to a mechanical failure at the station. The wastewater pump station overflowed due to an electrical failure at the station.	1000 3 100 0.17	N/A N/A	Repair Completed Repair Completed	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
7/1/09 2304 WOODS CREEK ROAD	LC Loves Creek 105		There was a mechanical failure of the residential grinder pump.	50 1	N/A	Repair Completed	N/A
6/6/09 2501 FERNBANK ROAD 1/5/08 2513 SABLE POINT LANE	LC Loves Creek 105 LC Loves Creek 105		The sewer main was flushed to remove the blockage caused by grease. A contractor did not removed a sewer plug during a construction project.	44 4 39,000 72	N/A N/A	BA/Grease Control Repair Completed	6 Months N/A
2/26/07 6350 RUTLEDGE PIKE	LC Loves Creek 105		A private contractor ruptured a 6* force main during an excavation.	16 1	N/A	Repair Complete	N/A
10/31/05 5001 MALONEYVILLE RD	EB NEKUD 109		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 7/23/07 5101 MALONEYVILLE ROAD	EB Eastbridge 109 EB Eastbridge 109		The sewer main was flushed to remove the blockage caused by debris. The pump station barscreen was cleaned to remove the blockage caused by heavy debris.	<u>408</u> 1 ✓ 3.000 1 ✓	Construction Completed Construction Completed	BA N/A	1 Month 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		The sewer main was flushed to remove the blockage caused by debris. The force main was repaired.	360 2	N/A	BA/Grease Control	1 Month
4/23/08 5300 AZINGER LANE 8/7/08 7217 WASHINGTON PIKE	EB Eastbridge 109 EB Eastbridge 109		i ne torce main was repaireo. There was an electrical failure of the residential grinder pump.	<u>47 2</u> 14 3	N/A N/A	Repair Completed Repair Completed	N/A N/A
11/3/07 7220 WASHINGTON PIKE	EB Eastbridge 109	Leaking Check Valve	The leaking check valve on the residential grinder pump station was repaired.	25 3	N/A	Repair Complete	N/A
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		There was a leak on the low-pressure service lateral.	90 5	N/A	Repair Completed	N/A
5/22/07 8413 WASHINGTON PIKE	EB Eastbridge 111		There was a small leak on a low-pressure force main.	5 2	N/A	Repair Complete Repair Completed	N/A
3/26/08 3706 ROBERTS ROAD 11/22/08 3706 ROBERTS ROAD	EB Eastbridge 113 EB Eastbridge 113	Leaking LP Lateral	The force main was repaired. An exposed section of service lateral burst upon freezing and was repaired.	810 2 7 0.017	N/A N/A	Repair Completed	N/A N/A
4/14/08 3913 ROBERTS ROAD 6/16/08 4107 ROBERTS ROAD	EB Eastbridge 113 EB Eastbridge 113		The force main was repaired. There was a mechanical failure of the residential grinder pump.	783 0.05 6 1	N/A N/A	Repair Completed Repair Completed	N/A
6/16/08 4107 ROBERTS ROAD 6/12/09 4300 ROBERTS ROAD	EB Eastbridge 113 EB Eastbridge 113		I nere was a mechanical failure of the residential grinder pump. There was an electrical failure of the commercial grinder pump.	6 1 30 1	N/A N/A	Repair Completed Repair Completed	N/A N/A
8/14/08 5309 ROBERTS ROAD	EB Eastbridge 113		There was a dig-ins 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		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 1/22/09 9027 MASCOT ROAD	EB Eastbridge 113 EB Eastbridge 114		Heavy rainfall in the area resulted in high flows in the collection system. There was a leak from air-release valve on a high-pressure force main.	24,000 8 75 1	Construction Completed N/A	N/A Repair Completed	N/A N/A
4/17/07 9315 RUTLEDGE PIKE	EB Eastbridge 114 EB Eastbridge 114		There was a teak normal interested to remove the blockage causade hintin. The sever main was flushed to remove the blockage causade by debris.	180 1	N/A	B A	12 Months
12/3/08 1708 NUMBER TWO DRIVE	EB Eastbridge 115		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 2/6/04 600 N GALLAHER VIEW RD	EB NEKUD 101 FC Fourth Creek 32A		The sewer main was flushed to remove the blockage caused by debris. Heavy rainfall in the area resulted in high flows in the collection system.	1410 4 ✓ 6050 23.5 ✓	Future Construction Planned	BA N/A	6 Months N/A
2/6/04 600 N GALLAHER VIEW RD 3/6/04 600 N GALLAHER VIEW RD	FC Fourth Creek 32A FC Fourth Creek 32A		Heavy rainfail in the area resulted in high hows in the collection system.	6050 23.5 ✓ 1680 3.5 ✓	Construction Completed Construction Completed	N/A N/A	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		Heavy rainfall in the area resulted in high flows in the collection system.	31,680 22 🗸	Construction Completed	N/A	N/A N/A
11/24/04 600 N GALLAHER VIEW RD	FC Fourth Creek 32A FC Fourth Creek 32A		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	<u>6480</u> <u>12</u> ✓ 20.160 <u>14</u> ✓	Construction Completed	N/A N/A	N1/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 0047	' 38 •

						Event			
Date Street # Street Plant	t Watershed Basin	Overflow Location Prop Loca	Cause of SSO/KUB Response	Volume (Gallons)	Duration (Hours)	occurred two or more times within 12 months	Long-Term Capital Project	Short-Term Controls Blockage Abatement (BA)	BA Schedule
	V 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
	V First Creek 2	Private Sewer Connection	There was an unconnected private sever main.	Unknown	Unknown		Curent 5-Yr Plan	N/A	N/A
	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
	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
	Fourth Creek 32A	MH 77 MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	260000	20	✓ ✓	Construction Completed	N/A N/A	N/A N/A
	Fourth Creek 32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	7,200	20	v √	Construction Completed		
	Fourth Creek 32A Fourth Creek 32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	247,680 5,610	43 2.75	~	Construction Completed	<u>N/A</u> N/A	N/A N/A
	Fourth Creek 32A	MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	1.037	2.75	· ·	Construction Completed Construction Completed	N/A N/A	N/A N/A
4/8/06 600 N. GALLAHER VIEW ROAD FC		MH 77	Heavy rainfall in the area resulted in high flows in the collection system.	38148	17	· ·	Construction Completed	N/A N/A	N/A
	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		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		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
	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
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
	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
	Fourth Creek 32A	MH 49-2	The sever main was flushed to remove the blockage caused by debris.	2,030	0.5		N/A N/A	BA BA/Groase Control	12 Months 6 Months
WALKED SPRINGS PD & N	Fourth Creek 32A	MH 36-7	The sever main was flushed to remove the blockage caused by grease and roots.	65				BA/Grease Control	
10/3/02 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
WALKER SPRINGS RD & N 2/27/03 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
WALKER SPRINGS RD & N 5/6/03 GALLAHER VIEW RD FC WALKER SPRINGS RD & N	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 GALLAHER VIEW RD FC WALKER SPRINGS RD & N	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 GALLAHER VIEW RD FC WALKER SPRINGS RD & N	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 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
	Fourth Creek 32B	Broken Pipe	There was a collapsed portion of the sewer main.	45900	72	~	Construction Underway	Repair Completed	N/A
	Fourth Creek 32B Fourth Creek 32B	Broken Sewer MH 4-46	The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by roots and debris.	7750 2,160	24	~	Construction Underway N/A	Repair Completed BA	N/A 6 Months
	Fourth Creek 32B	Lateral Cleanout	The sever main was flushed to remove the blockage caused by roots and influenced by heavy rainfall.	9	12		N/A	BA	3 Months
	V Second Creek 35A	Subsurface	The sewer main was repaired to remove a collapsed section.	7,190	6.5		N/A	Repair Completed	N/A
9/25/07 1610 CLINCH AVENUE IN ALLEY KUW	V Second Creek 35A	End-of-Line	The sewer main was repaired and flushed to remove the blockage caused by debris.	11	1		N/A	BA	3 Months
	V Third Creek 35A	MH 1 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
	V Second Creek 35A V Second Creek 35a	MH 1 MH 1	Rainfall in the area produced I & I and high flows in sewer mains. There was an electrical failure at the plant. Electrical power was restored to the plant.	250,000 3,300,000	0.26	•	Future Construction Planned (CCP Storage) N/A	Changes to SOP and Operator Training Repair Completed	N/A N/A
	V Second Creek 35A	MH 1	There was an SSO caused by temporary electrical power relative	50000	0.05		Future Construction Planned (CCP Storage)	N/A	N/A
4/29/09 1801 LAKE AVENUE KUW	V 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
	V 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
	V Third Creek 35B V Third Creek 35B	MH 1 Influent Structure	Widespread power outgaes due to high winds resulted in a total power loss to the plant for 130 minutes.	1,170,000 Unknown	1.5 Unknown	<i>v</i>	N/A Future Construction Planned (CCP Storage)	Repair Complete	N/A N/A
	V 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. 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)	Changes to SOP and Operator Training Repair Completed	N/A
7/30/02 2015 NEYLAND DRIVE KUW	V 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	V 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
	V 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
	V Third Creek 35B V 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	Ŷ	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training N/A	N/A N/A
12/9/04 2015 NEYLAND DRIVE KUW 2/15/05 2015 NEYLAND DRIVE KUW		#6 Digester	Heavy rainfall in the area resulted in high flows in the collection system. Foaming in the #6 digester resulted in a spill. Standard operating procedures are addressing the problem.	400,000 5500	2.63		Construction Completed	Changes to SOP and Operator Training	N/A N/A
2/22/05 2015 NEYLAND DRIVE KUW		#6 Digester	Fouring 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		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		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		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 9/23/06 2015 NEYLAND DRIVE KUW		Kuwahee WWTP Digester MH Secondary Junction Box	Pipe capacity was exceeded with normal supernatant flow and sludge dewatering contractor discharge. The secondary splitter box momentarily overflowed when the intermediate storage tanks filled to their maximum capacity.	50	0.08		N/A N/A	Changes to SOP and Operator Training Changes to SOP and Operator Training	N/A N/A
3/3/07 2015 NEYLAND DRIVE KUW		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	V 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		MH 4-51 Brokon Bino	Line capacity was exceeded by a waste hauler.	50	0.02	l	N/A N/A	Repair Completed	N/A N/A
9/4/08 2015 NEYLAND DRIVE KUW 1/30/08 2101 LAUREL AVENUE KUW		Broken Pipe MH 23-17	A sewer main was damaged during excavation for a potable water line. The sewer main was flushed to remove the blockage caused by rags and debris.	50	0.083		N/A Construction Completed	Repair Completed N/A	N/A N/A
4/8/08 2201 LAKE AVENUE KUW		MH 27-14	The seven main was flushed to remove the blockage caused by grease.	110	1	1	N/A	BA/Grease Control	12 Months
6/18/09 2303 CLINCH AVENUE KUW		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	V 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 1/24/02 SECONDARY JUNCTION BOX @ KUW 1/24/02 KUWAHEE WWTP KUW	V Third Creek 35B	MH 39 Secondary Junction Box	There was a process failure of a construction bypass pump. During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	2,328 1,000,000	0.0166 20.5	~	N/A Future Construction Planned (CCP Storage)	Repair Completed	N/A N/A
1/25/02 SECONDARY JUNCTION BOX @ KUW	V 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 Changes to SOP and Operator Training	N/A
3/17/02 SECONDARY JUNCTION BOX @ KUW	V 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 @ KUW	V 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 @ KUW KUWAHEE WWTP KUWAHEE WWTP		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 KUWAHEE WWTP KUW SECONDARY JUNCTION BOX @ 2/14/03 KUWAHEE WWTP KUW		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) Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	N/A N/A
	V Third Creek 35B V Third Creek 35B	Secondary Junction Box Influent Structure	During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow. During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	11,700,000	0.25	~	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training Changes to SOP and Operator Training	N/A N/A
	V Third Creek 35B	Influent Structure	During high flow conducts, varie operations demed necessary by operator to control flow into the WMTP resulted in an inadvention of the work of the second s	12,120,000	18	· •	Future Construction Planned (CCP Storage)	Changes to SOP and Operator Training	
2/17/03 KUWAHEE WWTP KUW	V 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
	V 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
	V Third Creek 35B	Influent Structure	During high flow conditions, valve operations demed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	10,870,000	22.5		Future Construction Planned (CCP Storage)		
	V Third Creek 35B V Third Creek 35B	Influent Structure Influent Structure	During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow. During high flow conditions, valve operations deemed necessary by operator to control flow into the WWTP resulted in an inadvertent overflow.	1,740,000	3	* *	Future Construction Planned (CCP Storage) Future Construction Planned (CCP Storage)		
	V Third Creek 35B	Influent Structure	During high flow conducts, vare operations demed necessary by operator to control flow into the WMTP resulted in an inadvention of the work of the second se	22,060,000	15	· •	Future Construction Planned (CCP Storage)		
5/7/03 KUWAHEE WWTP KUW	V 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	V 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

2001-2010Building Backups

Date Str	treet #	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
		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
		PLEASANT RIDGE ROAD WESTERN AVE	KUW	Third Creek Third Creek	22	Building Backup Building Backup	The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by grease.	N/A N/A	N/A N/A		N/A N/A	BA BA/Grease Control	3 Months 6 Months
		ABERDEEN LANE	KUW	South Knoxville		Building Backup	Routine sever main flushing resulted in a building backup at this residence.	10	0.5		Construction Completed	Changes to SOP and Operator Training	N/A
		LOUISIANA AVENUE	KUW			Building Backup	The sewer main was flushed to remove the blockage caused by debris.	200	1.5		N/A	Repair Completed	N/A
		LAUREL AVENUE BUFFAT MILL ROAD	KUW	Third Creek	29	Building Backup	The sever main was flushed to remove the blockage caused by rags and debris.	15	1		N/A	B A	6 Months
		COSTER ROAD	LC KUW	Loves Creek First Creek	6	Building Backup Building Backup	Routine sewer main flushing by a private contractor resulted in a building backup at this residence. The sewer main was flushed to remove the blockage caused by roots and debris.	2	0.05		N/A N/A	Operator Training / B A B A	6 Months 6 Months
		GATEWOOD LANE	FC	Fourth Creek	36	Building Backup	The sewer main was flushed to remove the blockage caused by debris.	10	2		N/A	BA	3 Months
		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
		VALLEY VIEW DRIVE	LC KUW	Loves Creek Third Creek	6 25	Building Backup Building Backup	Routine sewer main flushing by a private contractor resulted in a building backup at this residence.	3 400	0.05		Construction Completed N/A	N/A B A / Grease Control	N/A 12 Months
		TALILUNA AVENUE	KUW	Third Creek	38	Building Backup	The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by roots.	3	0.5		N/A N/A	B A	3 Months
		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		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 5/15/07		HARDY LANE CLINCH AVENUE	LC KUW	Loves Creek First Creek	63 30	Building Backup Building Backup	Routine sewer main flushing by a private contractor resulted in a building backup at this residence. A contractor inadvertantly left a sewer plug in a customer's service lateral after a manhole rehabilitation.	1 300	0.05		Construction Completed N/A	N/A Ropair Complete	N/A N/A
5/16/07		KINGLAND AVENUE	KUW	South Knoxville		Building Backup	R contractor indeventantly refer a seven plog in a customer's service laterial arter a infaintier enablinaturi. Routine seven main flushing by a private contractor resulted in a building backup at this residence.	300	0.05		N/A N/A	Repair Complete Operator Training	N/A N/A
		ABERDEEN LANE	KUW	South Knoxville		Building Backup	Routine sewer main flushing by a private contractor resulted in a building backup at this residence.	4	0.05		N/A	Operator Training	12 Months
		SOUTH HILLS DRIVE		South Knoxville		Building Backup	A contractor-operated bypass pump failed during a sewer main replacement project.	244	1	~	N/A	Repair Complete	N/A
		SOUTH HILLS DRIVE	KUW			Building Backup	There was a brief surcharge in the sewer main during restoration.	0	0.05	~	N/A	Repair Complete	N/A
		LOICE LANE KINCAID STREET	LC KUW	Loves Creek First Creek	20 16	Building Backup Building Backup	The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by debris.	100 225	2		N/A N/A	B A B A	6 Months 6 Months
			KUW	Third Creek	22	Building Backup	The server main was flushed to remove the blockage caused by grease.	450	1.5		N/A	B A / Grease Control	6 Months
8/2/07		WALROCK LANE	KUW	Third Creek	12	Building Backup	The sewer main was flushed to remove the blockage caused by roots.	540	1.66		N/A	BA	12 Months
		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 8/23/07		PLEASANT RIDGE ROAD W. MAIN STREET	KUW	Third Creek Second Creek	22	Building Backup Building Backup	The sewer main was flushed to remove the blockage caused by grease and debris. The sewer main was flushed to remove the blockage caused by debris.	8,860 100	2		N/A N/A	B A / Grease Control B A	1 Month 6 Months
		WESTERN AVENUE	KUW	Third Creek	11	Building Backup	The sever main was flushed to remove the blockage caused by deuts.	100	1		N/A N/A	B A / Grease Control	3 Months
		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	BA	6 Months
10/12/07		S. GAY STREET	KUW	First Creek	30	Building Backup	The broken sewer pipe was repaired.	24,480	4		Construction Completed	N/A	N/A
		WILDERNESS ROAD KIRBY ROAD	KUW		18	Building Backup	Routine sewer main flushing resulted in a building backup at this residence.	5	0.08		N/A N/A	Operator Training	N/A 3 Months
		BELLEVUE STREET	FC KUW	Fourth Creek First Creek	33 16	Building Backup Building Backup	The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by roots and debris.	250 91	5		N/A N/A	BA	6 Months
12/14/07		HOUSTON STREET	KUW	Williams Creek	19	Building Backup	The sever main was flushed to remove the blockage caused by debris.	32	0.5		N/A	BA	12 Months
		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	BA	12 Months
		MARTIN L. KING JR. AVE	KUW			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 07/08/08		ARGYLE DRIVE	LC KUW	Loves Creek Knob Creek	26 41	Building Backup Building Backup	The sewer main was flushed to remove the blockage caused by roots. Failure by contractor to reinstate the service connection after sewer rehabilitation.	2 94	0.5 Unknown		N/A N/A	BA Repair Completed	6 Months N/A
		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
		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
		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
		GODFREY STREET HOLSTON HILLS ROAD	KUW LC	First Creek Loves Creek	16 26	Building Backup Building Backup	The sewer main was flushed to remove the blockage caused by roots. There was a power failure at a pump station.	100 50	5.25		Future Construction Planned N/A	N/A Repair Completed	N/A N/A
12/22/08		SOUTH GAY STREET	KUW	First Creek	30	Building Backup	The sever main was flushed to remove the blockage caused by debris.	10	0.5		N/A N/A	BA	6 Months
		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	0 Monard
		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
		DEERFIELD ROAD BALL CAMP PIKE	KUW	Third Creek Third Creek	11 12	Building Backup Building Backup	The sever main was flushed to remove the blockage caused by roots.	1 375	0.5		Future Construction Planned N/A	N/A BA/Grease Control	N/A 1 Month
		LINDEN AVENUE	KUW	Williams Creek		Building Backup	The sewer main was flushed to remove the blockage caused by grease. The sewer main was flushed to remove the blockage caused by debris.	1	0.02		N/A N/A	BA/Grease Control	3 Months
		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 In	termittent over seve weeks	eral	N/A	Repair Completed	N/A
		LAKESHORE DRIVE	KUW	Knob Creek	41	Building Backup	The service rater areas not recommended to the server main during construction. Building backup due to sever main fluxing.	1	0.017		N/A	N/A	N/A
		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
		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
		NICHOLS AVENUE WAYNE DRIVE	KUW LC	Williams Creek Loves Creek	19	Building Backup Building Backup	The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove an unknown blockage.	15	0.33		N/A N/A	BA/Grease Control BA	12 Months 3 Months
		ADA LANE	KUW	First Creek	2	Building Backup	Building backup due to sever main fluxing.	98	0.33		N/A 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
		SUTHERLAND AVENUE	KUW		29	Building Backup	The sewer main was flushed to remove the blockage caused by debris.	200	9.5		N/A	BA	1 Month
		GINNBROOKE LANE E. GOVERNOR JOHN SEVIER HWY	KUW KUW	South Knoxville Riverdale	47 60	Building Backup Building Backup	The sewer main was flushed to remove the blockage caused by debris. Rainfall in the area produced I & I and high flows in sewer mains.	100 50	120 Intermittently 1		Future Construction Planned Construction Complete	N/A N/A	N/A N/A
		W. BLOUNT AVENUE	KUW			Building Backup	Rainfail in the area produced if a lind high flows in sever mains.	1000	2		Construction Complete	N/A N/A	N/A N/A
10/10/09	4111	BRUHIN RD	KUW	Second Creek		Building Backup	The sewer main was flushed to remove the blockage caused by grease.	50	29 intermit		N/A	BA/Grease Control	6 Months
		GARDEN DRIVE	KUW		3	Building Backup	Customer's lateral not reconnected to sewer main after mainline construction.	5	0.25		N/A	Repair Completed	N/A
		TEXAS AVENUE BIDDLE STREET	KUW KUW			Building Backup Building Backup	Customer's lateral not reconnected to sewer main after mainline construction. ✓ The sewer main was flushed to remove the blockage caused by roots and influenced by heavy rainfall.	5 1000	0.5		N/A N/A	Repair Completed BA	N/A 6 Months
		GREENCREST ROAD	KUW	First Creek	1	Building Backup	The server main was flushed to remove the blockage caused by roots. The server 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
		MAGNET PLACE	KUW			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				South Knoxville			The sewer main was flushed to remove the blockage caused by roots.	5	0.5	N	NA	Repair Completed	NA
		SUTHERLAND AVENUE SUTHERLAND AVENUE	KUW	Third Creek Third Creek	28 28	Building Backup Building Backup	Building backup due to sewer main flushing. Building backup due to sewer main flushing.	15	0.05		N/A N/A	N/A N/A	N/A N/A
		ASHEVILLE HIGHWAY	EB	Eastbridge	72	Building Backup	✓ The sewer main was flushed to remove the blockage caused by debris.	950	15		N/A N/A	BA	12 Months
		FAIRMONT BOULEVARD	KUW		16	Building Backup	The sever main was flushed to remove the blockage caused by roots.	300	4		N/A	BA	6 Months
		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
		SHETLAND DRIVE				Building Backup	The service lateral was not reconnected to the sewer main during construction.	10	1	N	NA	Repair Completed	NA
05/17/10		BERNARD AVENUE	KUW				The service lateral was not reconnected to the sewer main during construction.	20	4		N/A	Repair Completed	N/A
		CASSELL DRIVE CLINCH AVENUE	KUW	Second Creek Second Creek		Building Backup Building Backup	Building backup due to sewer main flushing. The service lateral was not reconnected to the sewer main during construction.	1.5 500	0.016666667		N/A N/A	N/A Repair Completed	N/A N/A
		LOUISIANA AVENUE	KUW	Second Creek		Building Backup	The service rateral was not recomined to remove the blockage caused by roots.	500	3		N/A N/A	BA	6 Months
		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
	1808	DIADONAW GANDEN NOAD											
	735	REED STREET WOODLAWN PIKE	KUW	Third Creek	22 40		The sewer main was flushed to remove the blockage caused by debris. The SSO was caused by a broken sewer main.	50 500	2.25	N	N/A NA	BA Repair Completed	6 Month NA

2001-2010 Building Backups

Date	Street # Street	Plant Watershe	d E	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
02/03/1		KUW First Cree		1 Building Backup		The sewer main was flushed to remove the blockage caused by roots.	15	1		N/A	BA	6 Months
07/13/0		KUW First Cree KUW First Cree		2 Building Backup 3 Building Backup		Building backup due to sewer main flushing. Customer's lateral not reconnected to sewer main after mainline construction.	98	0.5		N/A N/A	N/A Repair Completed	N/A N/A
1/9/0		LC Loves Cree		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
07/15/0		LC Loves Cree		6 Building Backup		Building backup due to a damaged lateral during gas main installation.	20	6		N/A	N/A	N/A
2/6/0		LC Loves Cree		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
2/6/0		LC Loves Cree		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
06/10/0		LC Loves Cree KUW First Cree		6 Building Backup 7 Building Backup		The sewer main was flushed to remove an unknown blockage. The sewer main was flushed to remove the blockage caused by roots and debris.	3	0.33		N/A N/A	BA B A	3 Months 6 Months
05/24/0		KUW First Cree		7 Building Backup		The sewer main was flushed to remove the blockage caused by roots and grease.	100	2.25		N/A N/A	BA/Grease Control	6 Months
11/01/0		KUW First Cree		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
10/10/0		KUW Second Cre		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
05/24/1		KUW Second Cre		10 Building Backup		Building backup due to sewer main flushing.	1.5	0.016666667		N/A	N/A	N/A
8/3/0 02/01/0		KUW Third Cree KUW Third Cree		11 Building Backup 11 Building Backup		The sewer main was flushed to remove the blockage caused by grease and roots. The sewer main was flushed to remove the blockage caused by roots.	75	1		N/A Future Construction Planned	B A / Grease Control N/A	12 Months N/A
4/27/0		KUW Third Cree		11 Building Backup		The sewer main was flushed to remove the blockage caused by roots.	N/A	N/A		N/A	BA/Grease Control	6 Months
8/23/0		KUW Third Cree		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
	9726&4728 BALL CAMP PIKE	KUW Third Cree		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
8/2/0		KUW Third Cree		12 Building Backup		The sewer main was flushed to remove the blockage caused by roots.	540	1.66		N/A	BA	12 Months
04/21/0		KUW Third Cree KUW Third Cree		12 Building Backup 13 Building Backup		The sewer main was flushed to remove the blockage caused by roots.	10	0.17		N/A N/A	BA	6 Months 6 Month
02/26/1		KUW Third Cree		13 Building Backup 13 Building Backup		The sewer main was flushed to remove the blockage caused by debris. Building backup due to sewer main flushing.	1	0.02		N/A N/A	N/A	N/A
11/8/0		KUW Second Cre		15 Building Backup		The sewer main was flushed to remove the blockage caused by debris.	200	1.5		N/A	Repair Completed	N/A
07/22/1	0 1317 LOUISIANA AVENUE	KUW Second Cre		15 Building Backup		The sewer main was flushed to remove the blockage caused by roots.	500	3		N/A	BA	6 Months
10/21/0		KUW Second Cre		15 Building Backup		Customer's lateral not reconnected to sewer main after mainline construction.	5	0.5		N/A	Repair Completed	N/A
11/27/0		KUW First Cree		16 Building Backup		The sewer main was flushed to remove the blockage caused by roots and debris.	91	5	-	N/A	BA	6 Months
05/03/1		KUW First Cree KUW First Cree		16 Building Backup 16 Building Backup	+	The sewer main was flushed to remove the blockage caused by roots. The sewer main was flushed to remove the blockage caused by grease and roots.	300 200	4	-	N/A N/A	BA BA/Grease Control	6 Months 6 Months
11/15/08		KUW First Cree		16 Building Backup	<u> </u>	The sewer main was flushed to remove the blockage caused by grease and roots.	100	5.25		Future Construction Planned	N/A	N/A
7/28/0		KUW First Cree		16 Building Backup		The sewer main was flushed to remove the blockage caused by roots.	225	1		N/A	BA	6 Months
4/15/0	7 4105 MILTON STREET	KUW First Cree	k	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
08/07/0		KUW First Cree		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
11/15/0 12/14/0		KUW First Cree		18 Building Backup		Routine sewer main flushing resulted in a building backup at this residence.	5	0.08		N/A	Operator Training	N/A
03/17/0		KUW Williams Cre KUW Williams Cre		19 Building Backup 19 Building Backup		The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris.	32	0.5		N/A N/A	B A BA/Grease Control	12 Months 3 Months
01/25/0		KUW Williams Cre		19 Building Backup		The contractor did not re-establish the service connection after a rehabilitation project.	450	Unknown		N/A	Repair Completed	N/A
05/28/0		KUW Williams Cre		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
6/30/0		LC Loves Cree		20 Building Backup		The sewer main was flushed to remove the blockage caused by roots.	100	2		N/A	BA	6 Months
7/28/0		KUW Third Cree		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
9/1/0		KUW Third Cree		22 Building Backup		The sewer main was flushed to remove the blockage caused by debris.	N/A	N/A 2		N/A N/A	BA	3 Months
8/19/0		KUW Third Cree KUW Third Cree		22 Building Backup 22 Building Backup		The sewer main was flushed to remove the blockage caused by grease and debris. The sewer main was flushed to remove the blockage caused by debris.	8,860 50	2.25		N/A N/A	B A / Grease Control BA	1 Month 6 Month
05/17/1		KUW Second Cre		23 Building Backup		The service lateral was not reconnected to the sewer main during construction.	20	4		N/A	Repair Completed	N/A
8/23/0		KUW Second Cre		23 Building Backup		The sewer main was flushed to remove the blockage caused by debris.	100	1		N/A	BA	6 Months
5/7/0		KUW First Cree	k	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
01/24/1		KUW Williams Cre		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
2/11/0		KUW Third Cree		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
02/04/08		LC Loves Cree		26 Building Backup 26 Building Backup		The sewer main was flushed to remove the blockage caused by roots. Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by debris.	2 N/A	0.5 N/A		N/A N/A	BA	6 Months 12 Months
12/10/0		LC Loves Cree		26 Building Backup		There was a power failure at a pump station.	50	1		N/A	Repair Completed	N/A
05/03/1		LC Loves Cree		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
03/30/1		KUW Third Cree		28 Building Backup		Building backup due to sewer main flushing.	15	0.05		N/A	N/A	N/A
04/05/1		KUW Third Cree		28 Building Backup		Building backup due to sewer main flushing.	1	0.02		N/A	N/A	N/A
1/2/0		KUW Third Cree KUW Third Cree		29 Building Backup 29 Building Backup		The sewer main was flushed to remove the blockage caused by rags and debris. The sewer main was flushed to remove the blockage caused by debris.	15 200	9.5		N/A N/A	B A BA	6 Months 1 Month
5/15/0		KUW First Cree		30 Building Backup		A contractor inadvertantly left a sewer plug in a customer's service lateral after a manhole rehabilitation.	300	3.5		N/A	Repair Complete	N/A
				g				termittent over sever	al	N/A	Repair Completed	N/A
5/14/0		KUW First Cree		30 Building Backup		The service lateral was not reconnected to the sewer main during construction.		weeks				
10/12/0		KUW First Cree		30 Building Backup		The broken sewer pipe was repaired.	24,480	4		Construction Completed	N/A	N/A
12/22/0		KUW First Cree		30 Building Backup		The sewer main was flushed to remove the blockage caused by debris.	10	0.5		N/A N/A	BA BA/Grosse Control	6 Months
02/26/10		FC Fourth Cre		31 Building Backup 33 Building Backup	+	The sewer main was flushed to remove the blockage caused by roots and grease. The sewer main was flushed to remove the blockage caused by roots.	33 250	2		N/A N/A	BA/Grease Control B A	6 Months 3 Months
1/28/0		FC Fourth Cre		36 Building Backup		The sewer main was flushed to remove the blockage caused by roots.	10	2		N/A N/A	BA	3 Months
01/06/09		KUW Third Cree		38 Building Backup		The sewer main was flushed to remove the unidentified blockage influenced by heavy rainfall.	1000	0.5		N/A	BA	
8/29/0	7 3428 LAKE VIEW DRIVE	KUW Third Cree	ek	38 Building Backup		The sewer main was flushed to remove the blockage caused by roots and debris.	1,870	1.5		N/A	BA	6 Months
3/6/0		KUW Third Cree		38 Building Backup	-	The sewer main was flushed to remove the blockage caused by roots.	3	0.5		N/A	BA	3 Months
5/29/0		KUW South Knoxy		39 Building Backup	+	A contractor-operated bypass pump failed during a sewer main replacement project.	244	1	~	N/A	Repair Complete	N/A
6/5/0 09/26/0		KUW South Knoxy KUW South Knoxy		39 Building Backup 39 Building Backup		There was a brief surcharge in the sewer main during restoration. Rainfall in the area produced I & I and high flows in sewer mains.	0 1000	0.05	~	N/A Construction Complete	Repair Complete N/A	N/A N/A
4/12/0		KUW South Knox		40 Building Backup		Routine sewer main flushing resulted in a building backup at this residence.	1000	0.5		Construction Completed	Changes to SOP and Operator Training	N/A N/A
	17 04 & 2408 ABERDEEN LANE	KUW South Knox		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
5/16/0		KUW South Knoxy		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
12/06/1		KUW South Kno	x	40 Building Backup		The SSO was caused by a broken sewer main.	500	5	N	NA	Repair Completed	NA
03/29/1		KUW South Knoxy		41 Building Backup		The sewer main was flushed to remove the blockage caused by roots.	5	0.5	N	NA	Repair Completed	NA
05/20/0		KUW Knob Cree		41 Building Backup	+	Building backup due to sewer main flushing.	1	0.017		N/A	N/A Densis Completed	N/A
07/08/0		KUW Knob Cree		41 Building Backup		Failure by contractor to reinstate the service connection after sewer rehabilitation.	94	Unknown 0.25		N/A Future Construction Planned	Repair Completed	N/A N/A
01/06/09		KUW Knob Cree KUW South Knox		41 Building Backup 41 Building Backup		Heavy rainfall in the area resulted in high flows in the collection system. The service lateral was not reconnected to the sewer main during construction.	11	0.20	N	Future Construction Planned NA	N/A Repair Completed	N/A NA
09/25/09		KUW South Knox		41 Building Backup 47 Building Backup	+	The sever main was flushed to remove the blockage caused by debris.	100	120 Intermittently	ri .	Future Construction Planned	N/A	N/A
09/26/0				60 Building Backup		Rainfall in the area produced I & I and high flows in sewer mains.	50	1		Construction Complete	N/A N/A	N/A
5/8/0		LC Loves Cree		63 Building Backup	1	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
04/09/1		EB Eastbridg		72 Building Backup	✓ <i>✓</i>	The sewer main was flushed to remove the blockage caused by debris.	950	15		N/A	BA	12 Months
05/27/0		EB Eastbridg	е	72 Building Backup		Building backup due to sewer main flushing.	2	0.016		N/A	BA/Grease Control	6 Months
12/27/0		FC Fourth Cre		32A Building Backup		The sewer main was flushed to remove the blockage caused by debris.	<1	<0.05		N/A	BA	12 Months
07/16/1		KUW Second Cre		35a Building Backup		The service lateral was not reconnected to the sewer main during construction.	500	4	_	N/A	Repair Completed	N/A
4/13/0	9 1848 FRATERNITY PARK DRIVE	KUW Third Croc	k	35B Building Backup	✓	The capacity of the sewer main was exceeded when a swimming pool was drained.	650	2.25	1	N/A	Repair Completed	N/A

International Control of Control	BA Sche	Short-Term Controls Blockage Abatement (BA)	Long-Term Capital Project	Event occurred two or more times within 12 months	Duration (Hours)		Cause of SSO/KUB Response	Private Property Location	Overflow Location	Basin	Watershed	nt V	# Street Plant	Date
Image Image <th< td=""><td>3 Month</td><td>200</td><td></td><td>✓</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td></th<>	3 Month	200		✓	1							-		
No. No. No. No. No.					2		A leak on a force main was repaired with a pipe clamp. A third-party diction contractor ruptured the low-pressure force main.							
Image: Process of the second						180 20					Eastbridge	3 E		6/8/06
Bit Bit Streep Bit Streep Control Contro Control Control														
Desc. Desc. <th< td=""><td></td><td></td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>				· · · · · · · · · · · · · · · · · · ·	2									
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Dist Dist <thdist< th=""> Dist Dist <thd< td=""><td></td><td></td><td></td><td>✓</td><td>0.5</td><td>265 0.5</td><td></td><td></td><td></td><td>2</td><td></td><td></td><td>18 WASHINGTON PIKE KUW</td><td>3/9/06</td></thd<></thdist<>				✓	0.5	265 0.5				2			18 WASHINGTON PIKE KUW	3/9/06
International problem Constrained	12 Mont 6 Monti													
No. 1 No.1 No. 1					7					2				
Direct Streep	ntrol 6 Montl		Construction Completed				The sewer main was flushed to remove the blockage caused by grease.			3				
Nome No No No <	6 Montl 6 Montl			Ŷ			Heavy rainfail in the area resulted in high flows in the collection system. The sever main was flushed to remove the blockane caused by debris							
	6 Mont			~		120 2	Heavy rainfall in the area resulted in high flows in the collection system.		MH 13-26		First Creek	W F	0 RENNOC RD KUW	9/17/04
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	6 Montl 6 Montl			× ×			Heavy rainfail in the area resulted in high flows in the collection system.							
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Dist Dist <thdist< th=""> Dist Dist <th< td=""><td>6 Mont</td><td>200</td><td></td><td>×</td><td>1</td><td></td><td>Heavy rainfall in the area resulted in high flows in the collection system.</td><td></td><td></td><td></td><td></td><td></td><td></td><td>3/6/04</td></th<></thdist<>	6 Mont	200		×	1		Heavy rainfall in the area resulted in high flows in the collection system.							3/6/04
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The NUMBER The NUMER The NUMER The NUME	6 Mont	BA	N/A	✓	1	322 1	Heavy rainfall in the area resulted in high flows in the collection system.		MH 13-26, 13-49 & 13-55	4	First Creek	W F	00 RENNOC ROAD KUW	4/24/06
No. No. <td>6 Monti 6 Monti</td> <td></td> <td></td> <td>✓ ✓</td> <td></td> <td></td> <td>Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system</td> <td>BB</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	6 Monti 6 Monti			✓ ✓			Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system	BB						
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Description No. Pack of the pack	6 Mont			✓	÷		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	BB						
Description No. Pack of the pack	ted N/A 6 Monti	BA Repair Completed			months		A contractor failed to reconnect a service lateral during a sewer rehabilitation project. The sewer main was flushed to remove the blockage caused by roots.			4			WOODCREST DR	1/23/06 12/16/05
NYM NYMM NYMM NYMM NYMM NYMM NYMM NYMM NYMM NYMM NYMM <th< td=""><td></td><td>BA/Grease Control</td><td></td><td></td><td></td><td>10800 4</td><td>The sewer main was flushed to remove the blockage caused by grease.</td><td></td><td>MH 7-142</td><td>8</td><td>First Creek</td><td>W F</td><td>7 ROCKY VIEW WAY KUW</td><td>3/20/06</td></th<>		BA/Grease Control				10800 4	The sewer main was flushed to remove the blockage caused by grease.		MH 7-142	8	First Creek	W F	7 ROCKY VIEW WAY KUW	3/20/06
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12/7/04 6410 PAPERMILL DR FC Fourth Creek 33 MH 22 & 23 MH 22 & 23 BA	3 Monti			✓										

SSOs to be deleted

0/29/03 6410 7/6/06 6410 3/6/06 6504 9/23/06 6422 1/16/06 1100 1/28/06 1317 3/3/006 2336 2/13/02 5912 9/23/06 6540 12/2/06 1608 12/2/06 1608 12/2/06 1731 1/1/6/03 2501 2/11/03 2501	PAPERMILL DR PAPERMILL DR PAPERMILL DRIVE KINGSTON PIKE PAPERMILL DRIVE BEAVERTON ROAD RUDDER OAKS WAY PINEY GROVE CHURCH ROAD	FC FC FC FC FC	Fourth Creek Fourth Creek Fourth Creek	33 33	MH 22 & 23		Heavy rainfall in the area resulted in high flows in the collection system.	27,525	22.75	✓	Construction Completed	BA	3 Months
7/6/06 6410 3/6/06 6504 9/23/06 6422 10/23/06 6422 11/28/06 1317 3/30/06 2336 2/13/02 5912 9/23/06 6542 9/23/06 5912 9/23/06 6540 12/2/06 1608 12/2/06 1731 1/1/6/03 2501 2/11/03 2501	PAPERMILL DRIVE KINGSTON PIKE PAPERMILL DRIVE BEAVERTON ROAD RUDDER OAKS WAY	FC FC		33									
3/6/06 6504 3/23/06 6422 1/16/06 1100 1/16/06 1300 3/30/06 2335 2/13/02 5912 10/306 6540 12/206 1608 12/2/06 1731 1/16/03 2501 2/11/03 2501	KINGSTON PIKE PAPERMILL DRIVE BEAVERTON ROAD RUDDER OAKS WAY	FC	Fourth Creek	00	MH 23 & 24	BB	The sewer main was flushed to remove the blockage caused by grease.	2880	8		Construction Completed	BA/Grease Control	3 Months
a)/23/06 6422 a)/23/06 6422 1/16/06 1100 1/28/06 1317 a)/30/06 2335 z/3/3/02 5912 10/3/06 5912 j/23/06 6540 12/2/06 1608 12/2/06 1731 1/1/6/03 2501 2/11/03 2501	PAPERMILL DRIVE BEAVERTON ROAD RUDDER OAKS WAY	-		33	MH 24	BB	Heavy rainfall in the area resulted in high flows in the collection system.	3240	3	✓	Construction Completed N/A	N/A	N/A
1/16/06 1100 1/28/06 1317 3/30/06 2335 2/13/02 5912 3/23/06 5912 3/23/06 6540 12/2/06 1608 12/2/06 1731 1/1/6/03 2501 2/11/03 2501	BEAVERTON ROAD RUDDER OAKS WAY		Fourth Creek	33 33	MHS 1-35 & 1-31 MHS 24, 23, 22-1 & 22	DD	The sewer main was flushed to remove the blockage caused by grease. Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	286 1590	0.5	×	Construction Completed	BA/Grease Control N/A	6 Months N/A
1/28/06 1317 3/30/06 2335 2/13/02 5912 0/3/23/06 5912 10/3/06 5912 12/23/06 6540 12/2/06 16540 12/2/06 16731 1/16/03 2501 2/11/03 2501	RUDDER OAKS WAY	FC	Fourth Creek	42	MH 43-2		The sewer main was flushed to remove the blockage caused by debris.	23	0.5	,	N/A	BA	6 Months
8/30/06 2335 2/13/02 5912 10/3/06 5912 9/23/06 6540 12/2/06 1608 12/2/06 1731 1/16/03 2501 2/11/03 2501		FC	Fourth Creek	84			A private contractor damaged the low-pressure force main and caused a leak.	1676	3		N/A	Repair Completed	N/A
2/13/02 5912 10/3/06 5912 9/23/06 6540 12/2/06 1608 12/2/06 1731 1/16/03 2501 2/11/03 2501		FC	Fourth Creek	32A	Air Release Valve		The damaged air release valve on the force main was replaced.	9	0.75		N/A	Repair Completed	N/A
10/3/06 5912 9/23/06 6540 12/2/06 1608 12/2/06 1731 12/2/06 2501 1/16/03 2501 2/11/03 2501	WESTMERE DR	FC	Fourth Creek	32A	Cleanout		The sewer main was flushed to remove the blockage caused by grease and roots.	14,400	240		N/A	BA/Grease Control	12 Months
9/23/06 6540 12/2/06 1608 12/2/06 1731 12/2/06 1731 1/16/03 2501 2/11/03 2501	WESTMERE DRIVE	FC	Fourth Creek	32A	Lateral Cleanout		The sever main was flushed to remove the blockage caused by debris.	375	10		N/A	BA	6 Months
12/2/06 1608 12/2/06 1731 1/16/03 2501 2/11/03 2501	CREEKHEAD DRIVE	FC	Fourth Creek	32A	MH 49-4		Rainfall amounts between 3.95" & 5.05" fell across the service area producing 1 & I and high flows in the sewer mains.	3240	13		Construction Completed	N/A	N/A
1/16/03 2501 1 2/11/03 2501 1	HELMBOLT ROAD	FC	Fourth Creek	32A	MH 49-59		The sewer main was flushed to remove the blockage caused by grease, roots and debris.	360	2		N/A	BA/Grease Control	6 Months
2/11/03 2501	PINEBROOK DRIVE	FC	Fourth Creek	32A	MH 49-9		The sewer main was flushed to remove the blockage caused by grease and debris.	1620	3		N/A	BA/Grease Control	6 Months
	MISS ELLIE DR	FC	Fourth Creek	32A	MH 71		The sewer main was flushed to remove the blockage caused by grease and roots.	11,520	96	\checkmark	Construction Completed	BA/Grease Control	6 Months
8/7/03 2501	MISS ELLIE DR	FC	Fourth Creek	32A	MH 71		The broken sewer main was repaired the debris was removed.	300	5	\checkmark	Construction Completed	BA	6 Months
	MISS ELLIE DR	FC	Fourth Creek	32A	MH 71		The sewer main was flushed to remove the blockage caused by grease.	480	8	\checkmark	Construction Completed	BA/Grease Control	6 Months
	MISS ELLIE DR	FC	Fourth Creek	32A	MH 71		The sewer main was flushed to remove the blockage caused by grease and debris.	1800	6	✓	Construction Completed	BA/Grease Control	6 Months
	MISS ELLIE DRIVE	FC	Fourth Creek	32A	MH 71		Heavy debris was physically removed and flushed to clear the blockage caused by vandalism.	8640	2		Construction Completed	BA	6 Months
	BENNINGTON DRIVE	FC	Fourth Creek	32B	Lateral Cleanout		The sewer main was flushed to remove the blockage caused by roots.	95	0.25		N/A	BA	6 Months
	KINGSTON PIKE	FC	Fourth Creek	32B	MH 9-35		The sewer main was flushed to remove the blockage caused by debris.	72	1	✓	N/A	Repair Completed	N/A
	KINGSTON PIKE	FC	Fourth Creek	32B	MHS 9-35 & 9-65		The sewer main continues to be flushed to clear blockages caused by grease and debris until the fiber-optic cable is removed.	2160	2	~	N/A	Repair Completed	N/A
	HAYDEN DRIVE	FC	Fourth Creek	32B	MHS 9-65 & 9-43		The sewer main was flushed to remove the blockage caused by grease.	1246	1	✓	N/A	BA/Grease Control and Repair Completed	
	MCNUTT ROAD LIFT STATION	KUW		41	MH 95		Heavy rainfall in the area resulted in high flows in the collection system.	14,400	12	~	Future Construction Planned	N/A	N/A
	CHAPMAN HIGHWAY	KUW	Knob Creek	41	MH 66-13		There was a mechanical failure at the Chapman Highway Pump Station.	4500	1.5		N/A	Repair Completed	N/A
	EDWARDS DR	KUW		41	MH 67-141		The sewer main was flushed to remove the blockage caused by grease and roots.	60	1		Future Construction Planned	BA/Grease Control	6 Months
	FORD VALLEY LIFT STATION	KUW	Knob Creek	41	MH 79 MH 70		The pump station overflowed due to rainfall-related flows exceeding the station capacity.	120,000	20	v	Future Construction Planned	N/A	N/A
	FORD VALLEY LIFT STATION FORD VALLEY LIFT STATION	KUW	Knob Creek Knob Creek	41 41	MH 79 MH 79		The pump station overflowed due to rainfall-related flows exceeding the station capacity. The pump station overflowed due to rainfall-related flows exceeding the station capacity.	4500 108.000	1.5 24	✓ ✓	Future Construction Planned Future Construction Planned	N/A N/A	N/A N/A
	FORD VALLEY LIFT STATION	KUW	Knob Creek	41	MH 79 MH 79			78,000	13	•	Future Construction Planned	N/A N/A	N/A N/A
	FORD VALLEY LIFT STATION	KUW	Knob Creek	41	MH 79 MH 79		The pump station overflowed due to rainfall-related flows exceeding the station capacity. The pump station overflowed due to rainfall-related flows exceeding the station capacity.	180.000	15	•	Future Construction Planned	N/A N/A	N/A
	FORD VALLEY LIFT STATION	KUW	Knob Creek	41	MH 79 MH 79		The pump station overflowed due to rainfail-related flows exceeding the station capacity.	72,000	12	· · · · · · · · · · · · · · · · · · ·	Future Construction Planned	N/A	N/A N/A
	FORD VALLEY LIFT STATION	KUW	Knob Creek	41	MH 79		The pump station overflowed due to rainfall-related flows exceeding the station capacity.	91,200	19	✓	Future Construction Planned	N/A	N/A
	FORD VALLEY LIFT STATION	KUW	Knob Creek	41	MH 79		The pump station overflowed due to rainfall-related flows exceeding the station capacity.	81,600	17	✓	Future Construction Planned	N/A	N/A
	FORD VALLEY LIFT STATION	KUW	Knob Creek	41	MH 79		Heavy rainfall in the area resulted in high flows in the collection system.	2880	1	√	Future Construction Planned	N/A	N/A
	FORD VALLEY LIFT STATION	KUW	Knob Creek	41	MH 79		Heavy rainfall in the area resulted in high flows in the collection system.	36,000	12	√	Future Construction Planned	N/A	N/A
	FORD VALLEY LIFT STATION	KUW		41	MH 79		Heavy rainfall in the area resulted in high flows in the collection system.	24,000	8	✓	Future Construction Planned	N/A	N/A
	FORD VALLEY LIFT STATION	KUW	Knob Creek	41	MH 79		Heavy rainfall in the area resulted in high flows in the collection system.	48,000	16	\checkmark	Future Construction Planned	N/A	N/A
	MCNUTT LIFT STATION	KUW	Knob Creek	41	MH 95		Heavy rainfall in the area resulted in high flows in the collection system.	27,000	9	✓	Future Construction Planned	N/A	N/A
12/9/04	MCNUTT LIFT STATION	KUW	Knob Creek	41	MH 95		Heavy rainfall in the area resulted in high flows in the collection system.	48,000	16	✓	Future Construction Planned	N/A	N/A
5/31/06 5230	MCNUTT ROAD	KUW	Knob Creek	41	MH 95		The sewer main was flushed to remove the blockage caused by debris from upstream construction.	860	2		N/A	N/A	N/A
1/19/02	MCNUTT ROAD LIFT STATION	KUW	Knob Creek	41	MH 95		The pump station overflowed due to rainfall-related flows exceeding the station capacity.	63,000	14	\checkmark	Future Construction Planned	N/A	N/A
1/24/02	MCNUTT ROAD LIFT STATION	KUW	Knob Creek	41	MH 95		The pump station overflowed due to rainfall-related flows exceeding the station capacity.	90,000	15	\checkmark	Future Construction Planned	N/A	N/A
	MCNUTT ROAD LIFT STATION	KUW	Knob Creek	41	MH 95		The pump station overflowed due to rainfall-related flows exceeding the station capacity.	45,600	19	✓	Future Construction Planned	N/A	N/A
	MCNUTT ROAD LIFT STATION	KUW	Knob Creek	41	MH 95		The pump station overflowed due to rainfall-related flows exceeding the station capacity.	40,800	17	✓	Future Construction Planned	N/A	N/A
	SEVIERVILLE PIKE	KUW	Knob Creek	41	MH 97-12		The sewer main was flushed to remove the blockage caused by roots and debris.	10	0.25		N/A	BA/Grease Control	12 months
	SEVIERVILLE PIKE	KUW	Knob Creek	41	MH 97-12		The sewer main was flushed to remove the blockage caused by grease.	30	2		N/A	BA/Grease Control	12 Months
	SEVIERVILLE PIKE	KUW	Knob Creek	41	MH 97-12		The sewer main was flushed to remove the blockage caused by debris.	409	1		N/A	BA	9 Months
	SEVIERVILLE PIKE	KUW	Knob Creek	41	MH 97-22		The sewer main was flushed to remove the blockage caused by roots.	180	5		N/A	BA	6 Months
	VIEW PARK DRIVE	KUW	Knob Creek	41	MH 97-30		The sewer main was flushed to remove the blockage caused by roots.	135	1		N/A	BA	6 Months
	SHELBOURNE RD	LC	Loves Creek	6	MH 82-1		Heavy rainfall in the area resulted in high flows in the collection system.	25	1		Construction Completed	BA	3 Months
	SHELBOURNE RD	LC	Loves Creek	6	MH 82-1		Heavy rainfall in the area resulted in high flows in the collection system.	370	2		Construction Completed	BA	3 Months
	SHELBOURNE ROAD	LC	Loves Creek	6	MH 82-1		Heavy rainfall in the area resulted in high flows in the collection system.	38	3	v	Construction Completed Construction Completed	BA	3 Months
	SHELBOURNE ROAD SHELBOURNE ROAD	LC	Loves Creek	6	MH 82-1 MH 82-1		Heavy rainfall in the area resulted in high flows in the collection system.	14945	8	•	Construction Completed	BA BA	3 Months 3 Months
	LEXANN LANE	LC	Loves Creek	0	MH 82-142		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains. The sewer main was flushed to remove the blockage caused by grease.	1440 48	6 0.75	•	N/A	BA/Grease Control	6 Months
	TULANE RD	LC	Loves Creek Loves Creek	20	MH 02-142 MH 21-1		Heavy rainfall in the area resulted in high flows in the collection system.	48	8	1	Construction Completed	BA/Grease Control	24 Months
	TULANE RD	LC		20	MH 21-1		Heavy rainfall in the area resulted in high flows in the collection system.	5000	4	· · ·	Construction Completed	BA	24 Months 24 Months
	TULANE RD	LC	Loves Creek	20	MH 21-1		The sever main was flushed to remove the blockage caused by roots.	1200	10	· · · · · · · · · · · · · · · · · · ·	Construction Completed	BA	24 Months
	TULANE ROAD	LC	Loves Creek	20	MH 22		The sewer main was physically cleaned and flushed to remove the blockage caused by roots.	292752	24		N/A	BA	12 Months
	E. MAGNOLIA AVENUE	LC	Loves Creek	20	Pump Station Wetwell		The electrical and electronic failures due to a lightning strike at the Burlington Pump Station were repaired.	3000	1		N/A	Repair Completed	N/A
	YELLOWSTONE ROAD	LC	Loves Creek	26	MH 93		The sever main was flushed to remove the blockage caused by roots.	12240	1		N/A	BA	6 Months
	BAGWELL ROAD	LC	Loves Creek	63	Air Release Valve		There was a leak from an air release valve on a force main.	125	0.75		N/A	Repair Completed	N/A
1/18/06 1815	WAYLAND ROAD	LC	Loves Creek	67	Cleanout		Heavy rainfall in the area resulted in high flows in the collection system.	270	2		N/A	Repair Completed	N/A
2/29/02 4800	MALONEYVILLE RD	EB	NEKUD	101	Lateral		The sewer main was flushed to remove the blockage caused by debris.	240	8	✓	Future Construction Planned	BA	12 Months
8/2/02 4800	MALONEYVILLE RD	EB	NEKUD	101	MH 93-1		The wastewater pump station overflowed due to a mechanical failure at the station.	400	12	✓	Future Construction Planned	Repair Completed	N/A
4/6/04 4900	MALONEYVILLE RD	EB	NEKUD	101	MH 93-1		The sewer main was repaired and put back into service.	280	24		N/A	BA	6 Months
11/8/05 4800	MALONEYVILLE RD	EB	NEKUD	109	Abandoned Grease Trap		The grease trap was pumped and the sewer main was flushed to remove the blockage caused by debris.	598	1.5		Future Construction Planned	BA	6 Months
	CENTRAL AVENUE PIKE		Second Creek	10	MH 17-8	BB	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	3240	6		N/A	N/A	N/A
	CENTRAL AVENUE PIKE		Second Creek	10	MH 27		The sewer main was flushed to remove the blockage caused by grease.	36	1		N/A	BA/Grease Control	6 Months
	W FOURTH AVENUE		Second Creek		MH 19-114		Manhole ring & lid were damaged and sewer main filled with metallic debris & mud. Manhole was repaired and main was cleaned.	24933	12		N/A	Repair Completed	N/A
	DAMERON AVENUE		Second Creek		MH 19-76		The sewer main was fluxed to remove the blockage caused by debris.	144	1		N/A	BA	6 Months
	BAXTER AVE		Second Creek		MH 19-99		The sewer main was flushed to remove the blockage caused by debris.	840	2		Future Construction Planned	BA	6 Months
	ELM ST		Second Creek	-	MH 19-99		The sewer main was flushed to remove the blockage caused by roots and debris.	360	24		Future Construction Planned	BA	18 Months
	W. BAXTER AVENUE		Second Creek	23	MH 19-99		The sewer main was flushed to remove the blockage caused by debris.	675	1	√	Future Construction Planned	BA	3 Months
	W FOURTH AVENUE	KUW	Second Creek	23	Underground Flow		The sewer main was flushed to remove the blockage and the pipe was repaired.	1150	1		N/A	Repair Completed	N/A
	PHILLIP FULMER WAY		Second Creek		Broken Pipe		The sewer main was repaired.	64	10		N/A	Repair Completed	N/A
	PHILLIP FULMER WAY		Second Creek		MH 20		The sewer main was flushed to remove the blockage caused by debris.	125	0.5		Future Construction Planned	BA	6 Months
	PHILLIP FULMER WAY		Second Creek		MH 21		The sewer main was flushed to remove the blockage caused by debris.	360	2		Future Construction Planned	BA	6 Months
	PHILLIP FULMER WAY		Second Creek		MH 21		The sewer main was flushed to remove the blockage caused by grease and debris.	2,160	2		Future Construction Planned	BA/Grease Control	6 Months
	BLOUNT AVE		South Knoxville		MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	120	2		Construction Completed	BA	12 Months
	BLOUNT AVE & MCCARTY AVE		South Knoxville		MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	3600	3	✓	Construction Completed	BA	12 Months
	BLOUNT AVE & MCCARTY AVE		South Knoxville		MH 15		Heavy rainfall in the area resulted in high flows in the collection system.	5500	3	✓	Construction Completed	BA	12 Months
	W. BLOUNT AVENUE		South Knoxville		MH 15 MH 40-9		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains. The sewer main was flushed to remove the blockage caused by grease and roots.	43200 1440	16 24		Construction Completed N/A	N/A BA/Grease Control	N/A 12 Months

SSOs to be deleted

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
5/31/05	717 INGERSOLL AVE	KUW South Knoxville	39	MH 40-9		The sewer main was flushed to remove the blockage caused by grease.	120	1		N/A	BA/Grease Control	12 Months
1/17/06	4132 W MARTIN MILL PIKE	KUW South Knoxville	39	MH 62-1	BB	The sewer main was flushed to remove the blockage caused by grease and influenced by heavy rainfall.	450	2.5		Construction Completed	BA/Grease Control	6 Months
9/23/06	413 HIGGINS AVENUE	KUW South Knoxville		MH 63		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	3240	6		Future Construction Planned	BA	3 Months
1/31/06	4701 CHAPMAN HWY	KUW South Knoxville		MH 85		The sewer main was flushed to remove the blockage caused by grease.	64	1		N/A	BA/Grease Control	6 Months
12/19/06	4804 GWINFIELD DRIVE	KUW South Knoxville	-	MH 89		The sewer main was flushed to remove the blockage caused by debris and was due to vandalism.	36608	24		N/A	BA	6 Months
10/17/06	131 INGERSOLL AVENUE	KUW South Knoxville		Underground Flow		The sewer main was flushed to remove the blockage caused by grease and roots.	3366	3		N/A	BA/Grease Control	6 Months
9/23/06	820 GOLDFINCH AVENUE	KUW South Knoxville		MH 45-16		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	BA	6 Months
10/3/06	4312 WOODLAWN PIKE	KUW South Knoxville		MH 47-19		The sewer main was flushed to remove the blockage caused by roots.	898	4		N/A	BA	6 Months
12/5/06	1901 MURRAY ROAD	KUW Third Creek	9	MH 17-279		A private contractor-installed sewer plug was removed from the sewer main.	1250	17		N/A	Repair Completed	N/A
9/23/06	5513 FENWAY LANE	KUW Third Creek	9	MH 20		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	16200	6		N/A	BA	6 Months
11/3/03	4404 ROYALVIEW AVE	KUW Third Creek	11	MH 11-150		The sewer main was flushed to remove the blockage caused by debris.	Unknown	Unknown		N/A	BA	12 Months
1/26/06	4404 ROYALVIEW ROAD	KUW Third Creek	11	MH 11-150		The sewer main was flushed to remove the blockage caused by grease and roots.	45	48		N/A	BA/Grease Control	6 Months
9/23/06	6833 BARKWOOD DRIVE	KUW Third Creek	11	Pump Station Wetwell		A large tree fell across the facility riser pole knocking out electrical power and the SCADA system during a major rainfall event.	68500	3		N/A	Repair Completed	N/A
10/12/04	5000 WESTERN AVE	KUW Third Creek	12	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	240	0.5		Construction Completed	N/A	N/A
4/8/06	5000 WESTERN AVENUE	KUW Third Creek	12	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	409	4	~	Construction Completed	N/A	N/A
4/24/06	5000 WESTERN AVENUE	KUW Third Creek	12	MH 1		Heavy rainfall in the area resulted in high flows in the collection system.	660	4	~	Construction Completed	N/A	N/A
9/28/06	5000 WESTERN AVENUE	KUW Third Creek	12	MHS 1 & 29		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	1305	6	~	Construction Completed	N/A	N/A
7/27/06	4003 ELDERWOOD ROAD	KUW Third Creek	13	MH 22-5		The sewer main was flushed to remove the blockage caused by debris.	16320	4		N/A	BA	6 Months
7/12/06	5029 TENWOOD DRIVE	KUW Third Creek	21	MH 17-17		The sewer main was flushed to remove the blockage caused by grease and debris.	72	1		N/A	BA/Grease Control	6 Months
1/21/05	5000 WESTERN AVE	KUW Third Creek	21	MH 34		The sewer main was flushed to remove the blockage caused by roots and upstream third-party flushing.	11220	4		N/A	BA	6 Months
1/18/06	2601 DAYTON STREET	KUW Third Creek	22	MH 18-130		The sewer main was flushed to remove the blockage caused by grease and roots and was influenced by heavy rainfall.	56	1		N/A	BA/Grease Control	9 Months
11/24/04	2612 WESTERN AVE	KUW Third Creek	22	MH 18-83		Heavy rainfall in the area resulted in high flows in the collection system.	300	5		Construction Completed	N/A	N/A
7/7/05	2612 WESTERN AVE	KUW Third Creek	22	MH 18-83		Heavy rainfall in the area resulted in high flows in the collection system/Blockage caused by debris.	2,040	2		N/A	BA/Grease Control	6 Months
1/10/05	2724 WESTERN AVE	KUW Third Creek	22	MH 18-86		Heavy rainfall in the area resulted in high flows in the collection system.	375	3		N/A	BA	6 Months
8/4/06	2724 WESTERN AVENUE	KUW Third Creek	22	MH 18-86		Heavy rainfall in the area resulted in high flows in the collection system.	16	0.08	✓	Future Construction Planned	BA	6 Months
9/23/06	2724 WESTERN AVENUE	KUW Third Creek	22	MH 18-86		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	1080	6	✓	Future Construction Planned	BA	6 Months
10/27/06	2724 WESTERN AVENUE	KUW Third Creek	22	MH 18-86		Heavy rainfall in the area resulted in high flows in the collection system.	900	5	✓	Future Construction Planned	BA	6 Months
11/1/06	2724 WESTERN AVENUE	KUW Third Creek	22	MH 18-86		Heavy rainfall in the area resulted in high flows in the collection system.	62	1	✓	Future Construction Planned	BA	6 Months
11/15/06	2724 WESTERN AVENUE	KUW Third Creek	22	MH 18-86		Heavy rainfall in the area resulted in high flows in the collection system.	1078	3	✓	Future Construction Planned	BA	6 Months
2/28/06	3300 DIVISION STREET	KUW Third Creek	29	Broken Lateral		The sewer main was flushed to remove the blockage caused by grease and debris.	3866	1.5	✓	Construction Completed	BA/Grease Control	6 Months
3/25/06	3323 DIVISION STREET	KUW Third Creek	29	Broken Lateral		The sewer main was flushed to remove the blockage caused by debris.	180	1.5	~	Construction Completed	BA	6 Months
4/17/06	1317 LORAINE STREET	KUW Third Creek	29	MH 15-113		The sewer main was flushed to remove the blockage caused by debris.	1227	1		N/A	BA	6 Months
11/28/06	3250 MYNATT AVENUE	KUW Third Creek	29	MH 8-60		The sewer main was flushed to remove the blockage caused by debris.	11220	12		N/A	BA	6 Months
9/23/06	411 HIGHLAND HILLS DRIVE	KUW Third Creek	34	MH 62		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	3240	6		N/A	BA	6 Months
1/7/06	520 CHEROKEE BLVD	KUW Third Creek	38	Broken Main		The sewer main was flushed to remove the blockage caused by debris and pipe material.	449	1		N/A	Repair Completed	N/A
9/9/06	4066 VALENCIA ROAD	KUW Third Creek	38	MH 49-11		The sewer main was flushed to remove the blockage caused by debris and resulting from vandalism.	5460	3.5		N/A	BA	6 Months
9/26/06	2377 NEYLAND DRIVE	KUW Third Creek		MHS 4-2, 4-36, 4-38 & 4-6		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	2045	1		Future Construction Planned	N/A	N/A
3/2/01 7/7/01	KUWAHEE SEPTAGE UNLOADING SITE	KUW Third Creek	35B	Septage Unloading Site		The sever main was flushed to remove the blockage caused by debris.	100	1	*	Construction Completed	BA	3 Months
8/17/01	KUWAHEE SEPTAGE UNLOADING SITE KUWAHEE SEPTAGE UNLOADING SITE	KUW Third Creek KUW Third Creek	35B 35B	Septage Unloading Site Septage Unloading Site		The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by debris.	300 500	1	• •	Construction Completed Construction Completed	BA BA	3 Months 3 Months
11/14/01	KUWAHEE SEPTAGE UNLOADING SITE	KUW Third Creek		Septage Unloading Site		The sever main was flushed to remove the blockage caused by grease.	1500	1	· · · · · · · · · · · · · · · · · · ·	Construction Completed	BA/Grease Control	3 Months
4/2/03	KUWAHEE SEPTAGE UNLOADING SITE	KUW Third Creek	35B	Septage Unloading Site		The sewer main was flushed to remove the blockage caused by grease.	50	0.5	✓	Construction Completed	BA	3 Months
8/25/03	KUWAHEE SEPTAGE UNLOADING SITE	KUW Third Creek	35B	Septage Unloading Site		The waste haulers have been directed to not unload if more than one other hauler is unloading.	30	0.083	~	Construction Completed	BA	3 Months
10/11/05	2015 NEYLAND DRIVE	KUW Third Creek	35B	Septage Unloading Site		The sewer main was flushed to remove the blockage caused by grease.	1,726	0.45		N/A	BA/Grease Control	6 Months
5/5/06	2201 CUMBERLAND AVENUE	KUW Third Creek	35B	Underground Flow		The sewer main was flushed to remove the blockage and the pipe was repaired.	289	1		N/A	Repair Completed	N/A
9/23/06	2015 NEYLAND DRIVE (420 If East)	KUW Third Creek		Undesignated MH		One influent pump failed during the peak of a high influent flow event. The pump was returned to service as quickly as possible.	2300000	2.8		N/A	Changes to SOP and Operator Training	N/A
8/1/05 11/20/06	4218 MC CALLA AVE 4218 MCCALLA AVENUE	KUW Williams Creek		MH 41-3 MH 41-3		The sewer main was flushed to remove the blockage caused by grease.	5 24	1 2	4	N/A Construction Completed	BA/Grease Control N/A	6 Months N/A
6/27/06	2429 SELMA AVENUE	KUW Williams Creek		Lateral		The sewer main was flushed to remove the blockage caused by debris. The sewer main was flushed to remove the blockage caused by grease.	22440	2.5	v	N/A	BA/Grease Control	6 Months
3/13/03	2505 DELROSE DR	KUW Williams Creek		MH 11-1 & 12		Heavy rainfall in the area resulted in high flows in the collection system.	4800	4	✓	Construction Completed	N/A	N/A
11/6/03	2505 DELROSE DR	KUW Williams Creek		MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	13,000	4	\checkmark	Construction Completed	N/A	N/A
1/5/04	2505 DELROSE DR	KUW Williams Creek		MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	3150	7	✓	Construction Completed	N/A	N/A
2/6/04	2505 DELROSE DR	KUW Williams Creek		MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	1,125,000	23	√	Construction Completed	N/A	N/A
3/6/04	2505 DELROSE DR	KUW Williams Creek		MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	1440	4	✓	Construction Completed	N/A	N/A
7/27/04	2505 DELROSE DR	KUW Williams Creek		MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	37,400	7	~	Construction Completed	N/A	N/A
9/17/04	2505 DELROSE DR	KUW Williams Creek		MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	1260	7	× 	Construction Completed	N/A	N/A
10/19/04 11/24/04	2505 DELROSE DR 2505 DELROSE DR	KUW Williams Creek		MH 12 MH 12		Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	2880 50,400	4 8.75	•	Construction Completed Construction Completed	N/A N/A	N/A N/A
12/1/04	2505 DELROSE DR	KUW Williams Creek		MH 12 MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	3370	3	✓ ✓	Construction Completed	N/A N/A	N/A N/A
12/7/04	2505 DELROSE DR	KUW Williams Creek		MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	250	2	\checkmark	Construction Completed	N/A	N/A
12/9/04	2505 DELROSE DR	KUW Williams Creek	25	MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	360,430	22.17	✓	Construction Completed	N/A	N/A
3/29/05		KUW Williams Creek		MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	32	3	✓	Construction Completed	N/A	N/A
	2505 DELROSE DR	KUW Williams Creek		MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	375	4	×	Construction Completed	N/A	N/A
5/20/05		KUW Williams Creek		MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	31,680	3	√	Construction Completed	N/A	N/A
6/7/05		KUW Williams Creek		MH 12 MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	90	1	✓ ✓	Construction Completed Construction Completed	N/A N/A	N/A N/A
7/7/05		KUW Williams Creek		MH 12 MH 12	+	Heavy rainfall in the area resulted in high flows in the collection system. Heavy rainfall in the area resulted in high flows in the collection system.	1,080 1080	2	×	N/A	N/A Repair Completed	N/A N/A
5/6/03	2500 RIVERSIDE DR	KUW Williams Creek		MH 12 MH 12	+ +	Heavy rainfall in the area resulted in high flows in the collection system.	3600	8	v	Construction Completed	N/A	N/A
9/22/03		KUW Williams Creek		MH 12		Heavy rainfall in the area resulted in high flows in the collection system.	360	2	21 21	Construction Completed	N/A	N/A
10/26/06	923 BIDDLE STREET	KUW Williams Creek		MH 29		The sever main was fulshed to remove the blockage caused by grease.	62	6	√	N/A	Repair Completed	N/A
12/14/06	923 BIDDLE STREET	KUW Williams Creek		MH 29		The sewer main was flushed to remove the blockage caused by grease.	153	1	\checkmark	N/A	Repair Completed	N/A
	800 GRAVES STREET	KUW Williams Creek		MH 31		The sewer main was flushed to remove the blockage caused by grease.	360	3	✓	N/A	Repair Completed	N/A
9/10/06												
9/10/06 9/24/06 9/24/06	2059 SAXTON STREET 2008 RIVERSIDE DRIVE	KUW Williams Creek		MH 4-87 MHS 1-1 & 2		The sewer main was flushed to remove the blockage caused by grease. Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	180 24511	1.5 6		N/A Construction Completed	BA/Grease Control N/A	6 Months N/A

BBUs to be deleted

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
9/7/06	3317 BISHOP STREET	KUW Third Creek	22	Building Backup		The sewer main was flushed to remove the blockage caused by grease and debris.	20	0.5	N/A	BA/Grease Control	6 Months
9/23/06	4105 CENTRAL AVENUE PIKE	KUW Second Creek	10	Building Backup	✓	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	100	4	N/A	BA	6 Months
11/6/06	8323 CORTELAND DRIVE	FC Fourth Creek	32B	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	80	72	N/A	BA	6 Months
9/12/06	2903 CROSS VALLEY ROAD	LC Loves Creek	6	Building Backup		Routine sewer main flushing resulted in a building backup at this residence.	10	0.25	Construction Completed	Changes to SOP and Operator Training	N/A
9/19/06	2914 CROSS VALLEY ROAD	LC Loves Creek	6	Building Backup		Routine sewer main flushing resulted in a building backup at this residence.	2	0.25	Construction Completed	Changes to SOP and Operator Training	N/A
5/30/06	714 DRAKEWOOD DRIVE	EB Eastbridge	72	Building Backup		Routine sewer main flushing resulted in a building backup at this residence.	2	0.07	N/A	Changes to SOP and Operator Training	N/A
2/22/06	328 E MORELIA 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
3/26/06	317 E QUINCY AVENUE	KUW Second Creek		Building Backup		The sewer main was flushed to remove the blockage caused by grease and debris.	60	1	N/A	BA/Grease Control	6 Months
7/22/06	1115 E RED BUD ROAD	KUW South Knoxville	e 40	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	2	0.5	N/A	BA	6 Months
9/23/06	2111 EDGEWOOD AVENUE	KUW First Creek	16	Building Backup		Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	25	1	Future Construction Planned	BA	6 Months
2/13/06	501 FERN STREET	LC Loves Creek	20	Building Backup		The sewer main was flushed to remove the blockage caused by roots.	105	8	N/A	BA	6 Months
11/14/06	5109 INSKIP ROAD	KUW First Creek	4	Building Backup		Rehabilitation contractor failed to reconnect the customer's service lateral.	2	0.25	N/A	Repair Completed	N/A
3/7/06	6504 KINGSTON PIKE	FC Fourth Creek	33	Building Backup & MHS 1-35 a 1-31	&	The sewer main was flushed to remove the blockage caused by grease.	3	0.08	N/A	BA/Grease Control	6 Months
3/1/06	4620 &	FC FOULTI CLEEK		1-31	•	The sewer main was nushed to remove the blockage caused by grease.	200	2	N/A	BA/Grease Control	12 Months
7/13/06	4626 KINGSTON PIKE	KUW Third Creek	34	Building Backup		The sewer main was flushed to remove the blockage caused by grease and a collapsed pipe was replaced.	200	2	11/4	DA/Grease Control	
4/8/06	4331 MANSION AVENUE	LC Loves Creek	20	Building Backup		The sever main was flushed to remove the blockage caused by grease and a compset pipe was repraced.	60	0.5	N/A	BA/Grease Control	6 Months
1/3/06	2810 MAYEAIR DRIVE	KUW South Knoxville		Building Backup		Routine sewer main flushing by a private contractor resulted in building backup at this residence.	1	0.01	Construction Completed	Changes to SOP and Operator Training	N/A
3/12/06	1610 MC CROSKEY AVENUE	KUW First Creek	17	Building Backup		Routine sever main flushing by a private contractor resulted in a building backup at this residence.	1	0.02	N/A	BA	6 Months
6/8/06	1022 NAVAHO ROAD	KUW Third Creek	38	Building Backup		Routine sever main flushing of a printing resultation in a building backup at this residence.	1	0.001	N/A	Changes to SOP and Operator Training	N/A
10/26/06	7556 PALMER LANE	LC Loves Creek	63	Building Backup		Routine sewer main flushing resulted in a building backup at this residence.	1	0.02	N/A	BA	6 Months
10/27/06	2015 PASCAL DRIVE (6 UNITS)	KUW Third Creek	22	Building Backup		The sewer main was flushed to remove the blockage caused by construction debris.	480	1	N/A	Repair Completed	N/A
1/17/06	5811 PLEASANT RIDGE ROAD	KUW Third Creek	9	Building Backup		The sewer main was flushed to remove the blockage caused by grease and influenced by heavy rainfall.	18017	3	N/A	BA/Grease Control	1 Month
10/30/06	5315 SHANNONDALE ROAD	KUW First Creek	1	Building Backup		Routine sewer main flushing resulted in a building backup at this residence.	1	0.08	N/A	BA	6 Months
3/31/06	2701 SUTHERLAND AVENUE	KUW Third Creek	29	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	61	1 🗸	N/A	BA/Repair Completed	1 Month
4/10/06	2701 SUTHERLAND AVENUE	KUW Third Creek	29	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	65	1 ✓	N/A	BA/Repair Completed	1 Month
4/13/06	2701 SUTHERLAND AVENUE	KUW Third Creek	29	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	10	0.5 🗸	N/A	BA/Repair Completed	1 Month
7/25/06	2701 SUTHERLAND AVENUE	KUW Third Creek	29	Building Backup		The sewer main was flushed to remove the blockage caused by debris.	5	0.5 🗸	N/A	BA/Repair Completed	1 Month
7/1/06	5020 TENWOOD DRIVE	KUW Third Creek	21	Building Backup		The sewer main was flushed to remove the blockage caused by grease and debris.	3	0.08	N/A	BA/Grease Control	6 Months
1/4/06	4408 TWIN PINES DRIVE	KUW Third Creek	11	Building Backup		The sewer main was flushed to remove the blockage caused by roots and debris due to vandalism.	35	0.75	N/A	BA	6 Months
12/15/06	203 W DEPOT AVENUE	KUW First Creek	30	Building Backup		The sewer main was flushed to remove the blockage caused by grease.	1000	120	N/A	BA/Grease Control	6 Months
1/17/06	4132 W MARTIN MILL PIKE	KUW South Knoxville	39	Building Backup & MH 62-1	✓	The sewer main was flushed to remove the blockage caused by grease and influenced by heavy rainfall.	1	0.05	Construction Completed	BA/Grease Control	6 Months
1/19/01	2837 WOODROW DR	KUW First Creek	4	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	N/A	N/A ✓	Future Construction Planned	BA	6 Months
11/6/03	2837 WOODROW DR	KUW First Creek	4	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	N/A	N/A ✓	Future Construction Planned	BA	6 Months
5/20/05	2837 WOODROW DR	KUW First Creek	4	Building Backup		Heavy rainfall in the area resulted in high flows in the collection system.	N/A	N/A	Future Construction Planned	BA	6 Months
9/24/06	2837 WOODROW DRIVE	KUW First Creek	4	Building Backup	✓	Rainfall amounts between 3.95" & 5.05" fell across the service area producing I & I and high flows in the sewer mains.	100	4	Future Construction Planned	BA	6 Months