

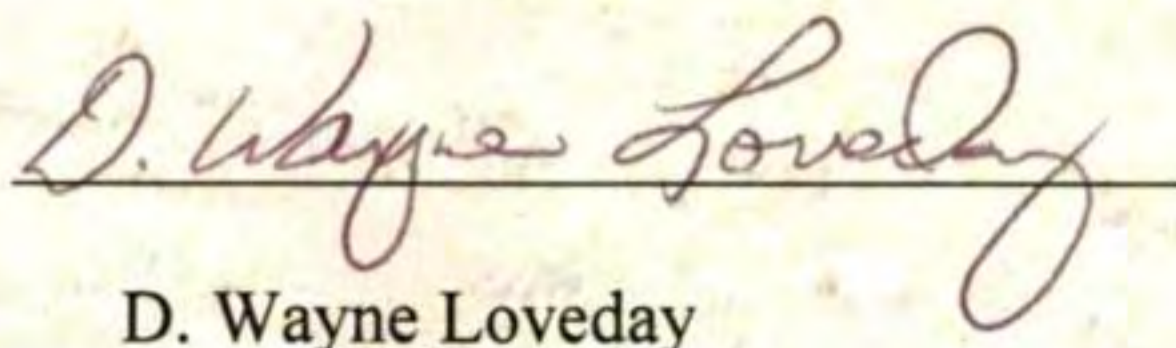
Quarterly Progress Report

Volume 4

First Quarter Report January 1 through March 31, 2006

Submitted to EPA on April 27, 2006

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.


D. Wayne Loveday

4-27-06
Date



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Executive Summary

On February 11, 2005, the Knoxville Utilities Board (KUB) entered into a Consent Decree with the United States, the State of Tennessee, the Tennessee Clean Water Network, and the City of Knoxville. The following Quarterly Progress Report is submitted to fulfill the reporting requirements described in Section XIX of the Consent Decree.

Consent Decree language, pages 82-83: *"Beginning thirty (30) Days after the first Calendar Quarter following the Date of Entry, and thirty (30) Days after each Calendar Quarter thereafter until termination of the Consent Decree, KUB shall submit to the Parties, and simultaneously place in the PDR, a Quarterly Progress Report. Quarterly Progress Reports shall not be subject to the Public Review Requirement of Section VI.A.2. However, KUB shall receive questions and comments from the public for KUB's review for a period of twenty (20) Days following placement in the PDR. Each Quarterly Progress Report shall contain:*

- 1. A summary of compliance with and activities related to implementation of the Phase 1 CAP/ER and Phase 2 CAP/ER, including: the status of construction projects in comparison to the schedules that have been established pursuant to the Consent Decree for those projects; and schedule deadlines and milestones achieved during Calendar Quarter and expected during the next Calendar Quarter;*
- 2. A summary of compliance with and activities related to implementation of the CPE and CCP;*
- 3. A summary of implementation of and compliance with the Process Controls Program;*
- 4. A summary of the implementation of the Capacity Assurance Program for the Calendar Quarter, including the number of, and anticipated flow from, sewer connections that have been authorized, by Sewerbasin, a description of the projects that have been authorized and the number of credits earned and banked by KUB that will be expended for those projects, by Sewerbasin, and any exceptions granted for connections for essential services;*
- 5. Identification of any transfer of an ownership interest, operation, management, or other control of the Treatment Works, or any portion thereof.*
- 6. A description of the status of compliance or non-compliance with the requirements of this Decree and, if applicable, the reasons for non-compliance, including a list of all violations that are subject to stipulated penalties under Section X of this Decree.*
- 7. A spreadsheet and summary of all SSOs, Bypasses, Diversions and effluent limit violations that occurred during the previous Calendar Quarter. Information on Building Backups may be provided in separate spreadsheets and summaries from other SSOs. The spreadsheets and summaries shall identify:*
 - a. For all SSOs, the location, source, date, time, duration, pathway (if any), receiving water (if any), the reason for each SSO, the total SSO volume, the volume returned to the WCTS, and the volume not captured;*
 - b. For all Bypasses and Diversions, the location, date, time, duration, volume and reason for each Bypass and Diversion; and the total Bypass and Diversion volumes;*
 - c. For all effluent limit violations, all information required to be reported on KUB's Discharge Monitoring Reports.*
- 8. The water quality monitoring data and other information required pursuant to Section VII.D.1.(e).(v). "*

KUB compiled this Quarterly Progress Report to detail the events that occurred during the first quarter of 2006 from January 1 through March 31. This is the fourth quarterly report required of KUB under this Consent Decree. The Consent Decree requirements pertaining to the Phase 1 CAP/ER, Phase 2 CAP/ER, Comprehensive Performance Evaluation, Composite Correction Plan, and Capacity Assurance Program will not be fulfilled in this report since they have not been approved or become due; rather, a description of the status of development for those programs is given. The Consent Decree reporting requirements for those programs will be met after EPA has approved each of them.

Report Organization

Section 1: Phase 1 CAP/ER and Phase 2 CAP/ER – Summarizes the status of the development of those deliverables.

Section 2: Comprehensive Performance Evaluation and Composite Correction Plan – Summarizes the status of the development of those deliverables.

Section 3: Process Controls Program – Summary of implementation of and compliance with the deliverable.

Section 4: Capacity Assurance Program - Summarizes the status of the development of the deliverable.

Section 5: Transfers of Ownership – Identifies any transfers of ownership interest, operation, management, or other control of the treatment works, or any portion thereof.

Section 6: Compliance and Non-Compliance with the Consent Decree – Describes the status of compliance or non-compliance with requirements of the Consent Decree.

Section 7: SSOs, Bypasses, Diversions, and Effluent Limit Violations – Provides a spreadsheet and summary of all SSOs, Bypasses, Diversions, and effluent limit violations.

Section 8: Water Quality Monitoring Data – Summarizes all sampling that was conducted, the results of the sampling, and the projected data collection for the first quarter of 2006.

Status of Deliverables

Below is a list of significant dates on which KUB submitted deliverables to EPA or received approval for deliverables. To date, KUB has submitted all deliverables in accordance with the schedule set forth in the Consent Decree.

January 9, 2006

- Approved by EPA – Process Controls Program

January 27, 2006

- Submitted to EPA - Quarterly Progress Report Fourth Quarter 2005
- Submitted to EPA – SEP Periodic Report Second Period 2005

February 8, 2006

- Submitted to EPA – Capacity Assurance Program

February 23, 2006

- EPA disapproved the Phase 1 CAP/ER

February 24, 2006

- Submitted to EPA – Comprehensive Performance Evaluation Program

February 27, 2006

- Submitted to EPA – Annual MOM Progress Report 2005

March 13, 2006

- Met with EPA and TDEC regarding EPA's comments on the Phase 1 CAP/ER

March 27, 2006

- Submitted to EPA - 30-day response to EPA's comments on the Phase 1 CAP/ER

Section 1 Phase 1 CAP/ER and Phase 2 CAP/ER

Consent Decree language, pages 82-83: *"Each Quarterly Progress Report shall contain... A summary of compliance with and activities related to implementation of the Phase 1 CAP/ER and Phase 2 CAP/ER, including the status of construction projects in comparison to the schedules that have been established pursuant to the Consent Decree for those projects; and schedule deadlines and milestones achieved during Calendar Quarter and expected during next Calendar Quarter."*

KUB began developing a Corrective Action Plan/Engineering Report (CAP/ER) in January 2004, following the completion of the Phase I Sanitary Sewer Overflow Evaluation Report (SSOER) required by the Agreed Order with the Tennessee Department of Environment and Conservation (TDEC) and, subsequently, the Consent Decree. The objective of the Phase I CAP/ER is to identify facility improvements needed to address the conditions causing SSOs occurring in the collection system during the period of 2001-2004 with the goal of eliminating the SSO locations on the Long-Term List and to support future growth needs. KUB submitted the Phase 1 CAP/ER to EPA on October 28, 2005. Comments were received from EPA on February 23, 2006. Per EPA's letter, KUB submitted a 30-day response to EPA's comments on March 27, 2006. The Revised Phase 1 CAP/ER will be submitted to EPA by May 24, 2006. The Phase 2 CAP/ER will be submitted to EPA within 12 months after EPA approval of the SSOER Annual Update submitted on April 30, 2008.

Current Capital Improvement Plan for FY 04/05 and FY 05/06

The following is a list of facility improvement projects included in the Capital Improvement Plan for FY 04/05 (July 1, 2004, to June 30, 2005) and FY 05/06 (July 1, 2005, to June 30, 2006). These projects were in various stages during the reporting period including preliminary engineering, design, construction, and completion. Many of these projects are "find and fix" rehabilitation projects. Find work is defined as the inspection (i.e. flow monitoring, CCTV, manhole inspections, smoke testing, etc.) and design phase of the project. Fix is defined as the construction phase that may include manhole rehabilitation/replacement, main line rehabilitation/replacement, and lower lateral rehabilitation/replacement. Other projects are trunkline capacity improvements or wet-weather storage. Each of these projects is considered part of the overall Phase 1 CAP/ER.

Ongoing Projects

First Creek

- 1. First Creek 8A1** - Find and design rehabilitation projects in First Creek sewer basin in the North Knoxville area around North Broadway and I-640. Project includes inspection (CCTV, smoke test, manhole inspections), design, rehabilitation of 21,067 lf, and replace 10,273 lf of sewer. Construction of this project is underway.
- 2. Upper First Creek Storage** - Design 9 million gallon (MG) wet-weather storage tank to control sewer overflows near Old Broadway during rain events. Construction is underway.
- 3. Lower First Creek Storage** - Design 5 MG wet-weather storage tank to control sewer overflows near North Hoitt Avenue during rain events. Construction is underway.

4. **Fountain City Trunkline Replacement** - Replace and upgrade approximately 6000 lf of trunk sewer connecting lines in upper Fountain City to Upper First Creek storage tank. The project will address SSOs along Broadway, Cedar Lane, and Fountain Road. Preliminary design is complete. Design and easement acquisition are underway.
5. **Sub-Basin 8B2** – Characterize the condition of 24,900 lf of pipe to determine rehabilitation needs. Condition Assessment and preliminary design is underway

Second Creek

1. **Second Creek Sub-basin 15 Rehabilitation** - Rehabilitate approximately 23,500 lf of pipe in mini-basin 15D2. Project includes inspection (CCTV, smoke test, manhole inspections), design, and rehabilitation of lines requiring repair. Construction is substantially complete. Final clean up is underway.
2. **Second Creek 23E1** - Find and design rehabilitation needs for mini-basin 23E1. A total of 28,067 lf of pipe is to be inspected. Project includes inspection (CCTV, smoke test, manhole inspections), design, and rehabilitation of lines requiring repair. Construction is underway.
3. **Dutch Valley Collector Rehab (Mini-basin 10B1)** – Assess and rehabilitate, where needed, approximately 16,400 lf of collector pipe. Condition Assessment and preliminary design is underway
4. **Richard and Wilson Collector Rehab (Mini-basin 10C1)** – Assess and rehabilitate, where needed, approximately 19,000 lf of collector pipe. Condition Assessment and preliminary design is underway

Third Creek

1. **Third Creek Storage** - Design 4.5 MG wet-weather storage tank to control sewer overflows near Western Avenue and Third Creek Road during rain events. Preliminary design underway.
2. **Third Creek 28B1*** - Find and design rehabilitation needs for collectors in mini-basin 28B1 (approximately 7,900 lf of pipe). Project includes inspection (CCTV, smoke test, manhole inspections), design, and rehabilitation of lines requiring repair. The initial condition assessment and preliminary design analysis is complete. Plans are being developed for a future rehabilitation project. No construction is planned in the short-term.
3. **Third Creek Basin 11** - Find and design rehabilitation needs for collectors in sub-basin 11 (approximately 129,657 lf). Project includes inspection (CCTV, smoke test, manhole inspections), design, and rehabilitation of lines requiring repair. Construction will be scheduled when design is complete.
4. **Third Creek Basin 9** - Find and design rehabilitation methods for collectors in sub-basin 9 (approximately 177,900 lf). Project includes inspection (CCTV, smoke test, manhole inspections), design, and rehabilitation of lines requiring repair. Phase I construction including RFP process is underway. Phase II RFP process will begin in May. Phase I and II construction is scheduled to begin in summer 2006.
5. **Third Creek Road Trunk Sewer Replacement** – Project includes approximately 3100 lf of 24 inch and 30 inch trunkline. The project will replace and upgrade the trunkline from Western Avenue along Third Creek to the proposed Third Creek storage facility. It will address overflows occurring at 5600 Western Avenue. Design is underway.
6. **Upper McKamey Trunk Sewer Replacement** – Project will replace approximately 1600 lf of 12 inch and 15 inch trunk sewer. This project will further enhance

improvements already made in Third Creek to address overflows along McKamey Road. Design is underway.

Fourth Creek

1. **Papermill Drive Phases I, II, and III** - Design and construct replacement of approximately 4,000 lf of 15-inch and 18-inch sewer in the Papermill Drive area to increase conveyance capacity and reduce sewer overflows. [Phases I & III are complete, Phase II is underway]
2. **Walker Springs Rehabilitation (Mini-Basin 32A4)** - Perform, find, and design work in mini-basin 32A4 in the Walker Springs area. Inspection includes 43,000 lf of smoke testing, 43,000 lf of CCTV, and 228 manhole inspections. Plans will be developed for future rehabilitation work. Condition Assessment and preliminary design is complete.
3. **Walker Springs Storage** - Design and begin construction on 3.6 MG wet-weather storage tank to control sewer overflows near Walker Springs Pump Station during rain events. Construction is underway. Substantial completion expected in July 2007.

South Knox

1. **South Haven Rehabilitation Phase III** - Rehabilitate approximately 21,700 lf of sewers in mini-basin 40F1. Project includes inspection (CCTV, smoke test, manhole inspections), design, and rehabilitation of lines requiring repair. Construction is underway. Substantial completion is expected in May 2006.
2. **Ginnbrook Pump Station** – Project will include evaluation of pump station and force main to ensure adequate capacity. Project will also include improvements to wet-well, pump system, and valve vault. Design is underway.
3. **Blount Avenue Trunkline C** – Project will examine major trunkline along Blount Avenue in South Knoxville. Project will include field survey, line cleaning, and CCTV inspection. Design report will be prepared to present recommendation on needed improvements. The preliminary design study is complete. Construction schedule is being evaluated.

Williams Creek

1. **Williams Creek Trunk Line Replacement** - Design and construct replacement of approximately 3,700 lf of 24-inch sewer to correct structural problems. Construction is substantially complete.

*The project named Third Creek 28B1 replaces Third Creek 28C1 that appeared in the Quarterly Progress Report for the Second Quarter 2005. After additional studies, it was determined that flows from 28B1 more likely contributed to overflows listed in the SSOER along Sutherland Avenue and North Bellemeade.

Completed Projects

First Creek

1. **Fountain Road** - Upsize 3,700 linear feet (lf) of gravity sewer using open cut and pipe bursting methods. Replace manholes and services. [Complete]

2. **Fair Drive Phase II** - Rehabilitate 3691 lf and replace 2458 lf of existing 8-12 inch gravity sewer along Fair Drive. [Complete]
3. **Greenfield Lane** - Replace approximately 3,300 lf of existing sewer with 8-inch and 12-inch PVC and ductile iron pipe. [Complete]
4. **Whites Creek Phase III** - Replace 300 lf of 12-inch, 300 lf of 16-inch, 2,700 lf of 24-inch, and 5,000 lf of 36-inch sewer. [Complete]
5. **First Creek Sub-basins 3 and 4 Rehabilitation** - Find and fix rehabilitation in First Creek sewer basin in the Fountain City area (mini-basins 03B1, 03B2, and 04B2). Project includes inspection (CCTV, smoke test, manhole inspections), design, rehabilitation of 26,500 lf of lines requiring repair, and replace 10,500 lf of sewer. [Complete]

Second Creek

1. **Second Creek Pilleaux PS Collector** - Rehabilitate 19,600 lf of collection system piping in mini-basin 05A4. Project includes inspection (CCTV, smoke test, manhole inspections), design, and rehabilitation of lines requiring repair. [Complete]

Third Creek

1. **Mynderse, Western, and Canna** - Replace approximately 1,700 lf of 8-inch sewer and pipe-burst approximately 3,400 lf of 8-inch up to 10-inch and 12-inch pipe to address wet-weather capacity restrictions resulting in overflows near Pleasant Ridge Road. [Complete]

Fourth Creek

1. **Pinebrook Drive Sewer Replacement** - Design and construct replacement of 330 lf of 8-inch gravity sewer that has been partially exposed by erosion of the bank of the adjacent drainage channel. [Complete]

South Knox

1. **Maryville Pike** - Design and construct replacement of 800–1,200 lf of 24-inch sewer located in Witherspoon Superfund site. Design will reroute sewer around site. [Complete]
2. **South Haven Phase I and Phase II** - Relocate, rehabilitate, and upsize approximately 4,700 lf of existing collector sewers to increase conveyance capacity and reduce I/I. [Complete]
3. **Island Home Rehabilitation** - Rehabilitate 9,400 lf and replace 1,200 lf of collector sewers to reduce I/I. [Complete]
4. **East Ford Valley Rehabilitation** - Rehabilitate approximately 16,000 lf of sewers in mini-basin 41A4. Project includes inspection (CCTV, smoke test, manhole inspections), design, and rehabilitation of lines requiring repair. [Complete]
4. **Stone Road Rehabilitation** - Rehabilitate approximately 13,500 lf of sewers in mini-basin 41B1. Project includes inspection (CCTV, smoke test, manhole inspections), design, and rehabilitation of lines requiring repair. [Complete]

Williams Creek

1. **Delrose Force Main Replacement** - Design and construct replacement of approximately 5,000 lf of 16-inch ductile iron pipe force main that has severe structural problems. [Complete]

Section 2 Comprehensive Performance Evaluation Program (CPE) and Composite Correction Plan (CCP)

Consent Decree language, pages 82-83: *"Each Quarterly Progress Report shall contain... A summary of compliance with and activities related to implementation of the CPE and CCP."*

The CPE includes short-term actions and CCP elements. The short-term actions will be addressed once the CPE is approved. The CCP elements, which include rehabilitation and/or upgrades to the Kuwahee, Fourth Creek, and possibly to Loves Creek WWTPs, will be addressed in the CCP following the approval of the CPE.

The CPE was submitted to EPA on February 24, 2006.

Section 3 Process Controls Program

Consent Decree language, pages 82-83: *"Each Quarterly Progress Report shall contain... A summary of implementation of and compliance with the Process Controls Program."*

The Process Controls Program (PCP) was revised in accordance with EPA's comments and was resubmitted on November 7, 2005. EPA approved this deliverable on January 9, 2006.

Following EPA approval of the PCP, KUB completed the following items included in the implementation schedule:

- Procure and install additional sampling and monitoring equipment (high flow samplers and TSS meters)
- Complete supporting standard operating procedures (SOPs)
- Complete training for operations staff

Representatives from Camp Dresser and McKee Inc. (CDM) and KUB conducted PCP training on February 8, 2006. All appropriate personnel were trained and the program has been implemented within operations. Once training of the program was complete, the checklists and flowcharts included in the PCP guided the decisions made during peak wet weather events on one occasion at Kuwahee WWTP (3/14/06). All parameters were followed and the diversion was conducted in accordance with the program. KUB is currently within the 4-month evaluation period described in the CPE.

Section 4 Capacity Assurance Program

Consent Decree language, pages 82-83: *"Each Quarterly Progress Report shall contain... A summary of the implementation of the Capacity Assurance Program for that Calendar Quarter, including the number of, and anticipated flow from, sewer connections that have been authorized, by Sewerbasin, a description of the projects that have been authorized and the number of credits earned and banked by KUB that will be expended for those projects, by Sewerbasin, and any exceptions granted for connections for essential services."*

The Capacity Assurance Program was submitted to EPA on February 8, 2006.

KUB is continuing to evaluate and manage new wastewater connections using its existing CAP based on the TDEC Agreed Order until the Consent Decree CAP is approved.

Appendix A contains a list of all new wastewater service connections that have been applied for and approved for service since the TDEC CAP was implemented in May 2004. The list also shows the wastewater connections that have been approved but have not yet started wastewater service.

Section 5 Transfers of Ownership

Consent Decree language, pages 82-83: *"Each Quarterly Progress Report shall contain... Identification of any transfer of an ownership interest, operation, management, or other control of the Treatment Works, or any portion thereof."*

There has been no transfer of an ownership interest, operation, management, or other control of the Treatment Works, or any portion thereof, during this reporting period.

Section 6 Compliance and Non-Compliance With the Consent Decree

Consent Decree language, pages 82-83: *"Each Quarterly Progress Report shall contain...A description of the status of compliance or non-compliance with the requirements of this Decree and, if applicable, the reasons for non-compliance, including a list of all violations that are subject to stipulated penalties under Section X of this Consent Decree."*

6.1 Submission of Deliverables

To date, KUB has submitted all deliverables in accordance with the schedule set forth in the Consent Decree. The following sections detail all activity related to deliverables that occurred during the past quarter. Also noted are the dates each submittal was available for public comment in the Public Document Repository (PDR), when the deliverable was submitted to EPA, when EPA responded with comments, when KUB responded to those comments, and when EPA approval was received.

6.1.1 Process Controls Program

Consent Decree language, page 57: *"No later than one-hundred and fifty (150) Days after the Date of Entry, KUB shall submit a Process Controls Program for the Kuwahee, Fourth Creek and Loves Creek WWTPs for use during wet weather operating conditions."*

KUB placed the Process Controls Program in the PDR on May 25, 2005. This Review Level 1 Deliverable was available for public comment from May 25, 2005, until June 25, 2005. No comments were received during that period. KUB submitted this deliverable on July 8, 2005. EPA disapproved the PCP on September 9, 2005. Due to the extent of the comments and delays in scheduling a meeting with TDEC and EPA to discuss the comments in greater detail, KUB requested a 30-day extension on September 16, 2005. EPA approved the extension on October 3, 2005. The revised deliverable was submitted to EPA on November 7, 2005, and subsequently approved on January 9, 2006.

6.1.2 Quarterly Progress Report Fourth Quarter 2005

Consent Decree language, pages 82-83: *"Beginning thirty (30) Days after the first Calendar Quarter following the Date of Entry, and thirty (30) Days after each Calendar Quarter thereafter until termination of the Consent Decree, KUB shall submit to the Parties, and simultaneously place in the PDR, a Quarterly Progress Report."*

On January 27, 2006, KUB submitted to EPA and placed in the PDR the Quarterly Progress Report for the fourth quarter 2005. This deliverable was not subject to the Public Review Requirement of Section VI.A.2, but was available for public comment from January 27, 2006, until February 16, 2006. No comments were received during that period.

6.1.3 SEP Periodic Report Second Period 2005

Consent Decree language, page 61: *"While the SEP is being planned and implemented, KUB shall submit semiannual reports to the Parties describing the progress of the SEP up to and during the most recent Calendar Quarter within one (1) Month after the end of the second and fourth Calendar Quarters following the Date of Entry."*

On January 27, 2006, KUB submitted the SEP Periodic Report for the second period 2005 to EPA. This deliverable was not subject to public review but was posted in the PDR at the time of submission.

6.1.4 Capacity Assurance Program

Consent Decree language, page 30: *"No later than three-hundred and sixty-five (365) Days after the Date of Entry, KUB shall submit an Capacity Assurance Program."*

KUB placed the Capacity Assurance Program in the PDR on December 16, 2005. This Review Level 1 Deliverable was available for public comment from December 16, 2005, until January 16, 2006. No comments were received during that period. KUB submitted this deliverable on February 8, 2006.

6.1.5 Phase 1 Corrective Action Plan/Engineering Report

Consent Decree language, page 23: *"On or before November 1, 2005, KUB shall submit a Phase 1 Corrective Action Plan/Engineering Report ("Phase 1 CAP/ER") to address the conditions causing SSOs with the goal of eliminating the SSO locations on the Long-Term List."*

KUB placed the Phase 1 Corrective Action Plan/Engineering Report in the PDR on September 12, 2005. This Review Level 1 Deliverable was available for public comment from September 12, 2005, until October 12, 2005. No comments were received during that period. KUB submitted this deliverable on October 28, 2005. This deliverable was disapproved by EPA on February 23, 2006. On March 13, 2006, KUB met with EPA and TDEC regarding comments that were received in the disapproval letter. On March 27, 2006, KUB submitted the 30-day response to EPA's comments per the disapproval letter. The 90-day response (revised deliverable) will be submitted to EPA by May 24, 2006.

6.1.6 Comprehensive Performance Evaluation Program

Consent Decree language, page 41: *"The full CPE shall be submitted to EPA within three-hundred (300) Days of EPA's approval of the initial scope."*

KUB placed the Comprehensive Performance Evaluation Program in the PDR on January 13, 2006. This Review Level 1 Deliverable was available for public comment from January 13, 2006, until February 13, 2006. No comments were received during that period. KUB submitted this deliverable on February 24, 2006.

6.1.7 Annual MOM Progress Report

Consent Decree language, page 84: *"Beginning on March 1, 2006, and every twelve (12) Months thereafter until termination of this Consent Decree, KUB shall submit to the Parties, and simultaneously place in the PDR, an Annual MOM Progress Report."*

On February 27, 2006, KUB submitted to EPA and placed in the PDR the Annual MOM Progress Report for 2005. This deliverable was not subject to the Public Review Requirement of Section VI.A.2, but was available for public comment from February 27, 2006, until March 20, 2006. No comments were received during that period.

6.2 Violations Subject to Stipulated Penalties

During this reporting period, KUB incurred five Unpermitted Discharges. Two of those events were due to blockages caused by grease, two were due to heavy rainfall, and one was due to construction failure. Table 1 below lists all violations subject to stipulated penalties as outlined in the Consent Decree.

Table 1. Violations Subject to Stipulated Penalties

Violation	Date	Address	Cause
Unpermitted Discharge	1/17/06	2505 Delrose Drive	Heavy rainfall
Unpermitted Discharge	1/17/06	436 Maryville Pike	Heavy rainfall
Unpermitted Discharge	1/17/06	4132 W Martin Mill Pike	Blockage
Unpermitted Discharge	1/26/06	4713 Old Broadway	Construction failure
Unpermitted Discharge	3/20/06	1817 Rocky View Way	Blockage

Section 7 SSOs, Bypasses, Diversions, and Effluent Limit Violations

Consent Decree language, pages 82-83: *"Each Quarterly Progress Report shall contain... A spreadsheet and summary of all SSOs, Bypasses, Diversions, and effluent limit violations that occurred during the previous Calendar Quarter. Information on Building Backups may be provided in separate spreadsheets and summaries from other SSOs. The spreadsheets and summaries shall identify:*

- a. For all SSOs, the location, source, date, time, duration, pathway (if any), receiving water (if any), the reason for each SSO, the total SSO volume, the volume returned to the WCTS, and the volume not captured;*
- b. For all Bypasses and Diversions, the location, date, time, duration, volume and reason for each Bypass and Diversion; and the total Bypass or Diversion volumes;*
- c. For all effluent limit violations, all information required to be reported on KUB's Discharge Monitoring Reports."*

7.1 SSOs

Appendix B lists all SSOs that occurred during this reporting period. During this period, there were 30 SSO events. Of that number, 18 were due to blockages by either grease, debris, roots, or a combination thereof, four were due to heavy rainfall, three were due to construction failure, two were due to broken pipe, two were due to electrical failure, and one was due to mechanical failure. Of the 30 SSO events, 21 were in the 0 – 1000 gallons volume range, six were in the 1001 – 10,000 range, and three events totaled greater than 10,000 gallons. Durations for events during this period are as follows: 21 ranged from 0 – 2 hours, four ranged from 2.1 – 5 hours, and five lasted more than five hours.

One event could be considered significant because of the lengthy duration (nine months). This event occurred after a contractor failed to reconnect a service lateral during a CIPP project and afterward the homeowner had ongoing issues with slow drains. The cause of the slow drains was traced back to the date the contractor completed the work in front of that residence. The volume of the event was estimated based on the customer's water usage.

7.2 Building Backups

Appendix C lists all Building Backups that occurred during this reporting period. During this period, there were ten Building Backups. Causes for these events are as follows: eight were due to blockage and two occurred due to flushing operations.

7.3 Bypasses

No Bypasses occurred during this reporting period.

7.4 Diversions

Three Diversions occurred during this reporting period (Table 2); two at Kuwahee WWTP and one at Fourth Creek WWTP. All were attributed to a high flow event due to excess rainfall. No Diversions occurred at Loves Creek WWTP during this period. Eastbridge

WWTP does not bypass or divert flows. The total Diversion volume for the reporting period was 18.42 MG.

7.5 Effluent Limit Violations

Table 3 contains all effluent limit violations that occurred during this reporting period. The table contains the information as it is reported in KUB's Discharge Monitoring Reports. During this reporting period, one effluent limit violation occurred at Kuwahee WWTP and one at Fourth Creek WWTP. Both were violations of total suspended solids. No effluent limit violations occurred at Loves Creek WWTP during the reporting period.

Table 2: Bypasses and Diversions

WWTP	Did an event occur?	Type of Event	Date diversion gate opened	Time diversion gate opened	Date diversion gate closed	Time diversion gate closed	Date Diversion flow reported	Duration (hrs)	Volume (MG)	Reason for Event
Kuwahee	Yes	Diversion	1/17/06	18:50	1/18/06	03:26	1/17/06	10.6	12.83	High flow event due to excess rainfall
Kuwahee	Yes	Diversion	3/14/06	03:35	3/14/06	06:35	3/13/06	3	4.08	To avoid washout
Fourth Creek	Yes	Diversion	1/17/06	18:30	1/18/06	00:30	1/17/06	6	1.51	High flow event due to excess rainfall
Loves Creek	No	-	-	-	-	-	-	-	-	-
Eastbridge	No	-	-	-	-	-	-	-	-	-

Table 3: Effluent Limit Violations

WWTP	Did an event occur?	Date	Parameter	Type	Limit	Value
Kuwahee	Yes	3/20/06	TSS	Daily Max	45 mg/l	60 mg/l
Fourth Creek	Yes	2/18/06	TSS	Daily Max	45 mg/l	53 mg/l
Loves Creek	No	-	-	-	-	-
Eastbridge	No	-	-	-	-	-
Ritta School	No	-	-	-	-	-
SS - Settleable Solids	mg/l - milligrams per liter					
TSS - Total Suspended Solids	cfu - Colony Forming Unit					
ml/l - milliliters per liter	lbs - Pounds					

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Section 8 Water Quality Monitoring Data

Consent Decree language, pages 82-83: *"Each Quarterly Progress Report shall contain... The water quality monitoring data and other information required pursuant to Section VII.D.1.(e).(v)."*

8.1 Sampling Conducted and Results

Appendix D lists all sampling that was conducted during the reporting period and the results thereof. KUB began Dry Weather Investigative Monitoring for Williams Creek in March. Samples were collected while KUB personnel walked the entire 2.3 miles of the creek. The lab results are currently being examined in conjunction with field observation data and other relevant data about conditions in the nearby stream area to determine if any additional testing or investigation is necessary. A complete investigative report will be included in the Quarterly Progress Report for the 2nd quarter 2006. All available lab results on samples collected during this investigation are included in a preliminary data report in Appendix D.

8.2 Projected Data Collection

During the second quarter of 2006, KUB will continue to monitor the 24 routine sampling locations in the sewer basins of eight area creeks. KUB will collect samples from the following locations during the second quarter 2006:

Sample Locations by Creek Mile or Site Number

<i>Creek Name</i>	<i>Creek Mile #</i>	<i>Creek Mile #</i>	<i>Creek Mile #</i>
First Creek	0.45	2.57	6.33
Second Creek	0.36	1.54	5.76
Third Creek	0.87	2.08E	4.80W
Fourth Creek	0.55	1.33	1.78
Baker Creek	0.15	0.32	0.36S
Goose Creek	0.35	0.90E	1.50E
Loves Creek	0.85	1.89	3.45
Williams Creek	0.53	1.12	1.67

KUB will continue to implement the investigative monitoring component to determine whether the pollution is related to sewer or non-sewer sources. Additional investigative sampling and walking surveys are planned for Williams Creek during the second quarter of 2006.

Appendix A

Authorized Sewer Connections

CAP List of New Connections Since May 20, 2004

	Address	Avg Flow	Peak Flow	Basin	WWTP	Activity Date	Calendar Quarter
1	6501 Kingston Pike	1168	1752	4th Creek	4th Creek	8/25/2005	4th qtr 2005
2	2827 Mossy Oaks Lane	167	250	4th Creek	4th Creek	9/1/2005	4th qtr 2005
3	1105 Webster Groves Lane	5425	8138	4th Creek	4th Creek	9/8/2005	4th qtr 2005
4	2122 Duncan Woods Ln	167	250	4th Creek	4th Creek	10/12/2005	1st qtr 2006
5	2112 Duncan Woods Ln	167	250	4th Creek	4th Creek	10/12/2005	1st qtr 2006
6	853 Big Ben Way	167	250	4th Creek	4th Creek	10/12/2005	1st qtr 2006
7	845 Big Ben Way	167	250	4th Creek	4th Creek	10/12/2005	1st qtr 2006
8	6700 Forest Village Way	167	250	4th Creek	4th Creek	10/18/2005	1st qtr 2006
9	6484 Kingston Pk	167	250	4th Creek	4th Creek	10/18/2005	1st qtr 2006
10	8301 East Walker Springs Ln	2505	3750	4th Creek	4th Creek	10/20/2005	1st qtr 2006
11	1100 Harbin Ridge Ln	5845	8750	4th Creek	4th Creek	11/1/2005	1st qtr 2006
12	7624 Chatham Cir	334	500	4th Creek	4th Creek	11/15/2005	1st qtr 2006
13	1320 Dowell Springs Blvd	835	1250	4th Creek	4th Creek	12/8/2005	1st qtr 2006
14	1330 Dowell Springs Blvd	1002	1500	4th Creek	4th Creek	12/8/2005	1st qtr 2006
15	600 Agnes Rd	0	0	4th Creek	4th Creek	12/13/2005	1st qtr 2006
16	206 Vanosdale Rd	0	0	4th Creek	4th Creek	12/13/2005	1st qtr 2006
17	210 Buckingham Drive	167	250	4th Creek	4th Creek	2/14/2006	1st qtr 2006
18	6315 Waters Edge Lane	167	250	4th Creek	4th Creek	2/14/2006	1st qtr 2006
19	7425 Middlebrook Pike	334	500	4th Creek	4th Creek	2/14/2006	1st qtr 2006
20	7741 S Northshore Drive	3841	5750	4th Creek	4th Creek	2/14/2006	1st qtr 2006
21	1338 Rudder Oaks Way	167	250	4th Creek	4th Creek	2/15/2006	1st qtr 2006
22	1344 Rudder Oaks Way	167	250	4th Creek	4th Creek	2/15/2006	1st qtr 2006
23	5600 Crooked Pine Lane	167	250	4th Creek	4th Creek	2/15/2006	1st qtr 2006
24	6824 Lion Heart Lane	167	250	4th Creek	4th Creek	2/15/2006	1st qtr 2006
25	7038 Seaver Drive	167	250	4th Creek	4th Creek	2/15/2006	1st qtr 2006
26	7704 Devonshire Drive	167	250	4th Creek	4th Creek	2/15/2006	1st qtr 2006
27	8331 Glenrothes Blvd	167	250	4th Creek	4th Creek	2/15/2006	1st qtr 2006
28	7624 Chatam Circle	334	500	4th Creek	4th Creek	2/15/2006	2nd qtr 2006
29	6601 Nightingale Lane	668	1000	4th Creek	4th Creek	2/15/2006	2nd qtr 2006
30	6805 Spring Glen Way	668	1000	4th Creek	4th Creek	2/15/2006	2nd qtr 2006
31	7685 S Northshore Drive	0	0	4th Creek	4th Creek	2/15/2006	2nd qtr 2006
32	1827 Duncan Road	1336	2000	4th Creek	4th Creek	2/15/2006	2nd qtr 2006
33	6934 Pemmbrooke Shire Lane	1503	2250	4th Creek	4th Creek	2/15/2006	2nd qtr 2006
34	1724 Duncan Woods Lane	167	250	4th Creek	4th Creek	2/15/2006	2nd qtr 2006
35	8100 Kingston Pike	167	250	4th Creek	4th Creek	2/15/2006	2nd qtr 2006
36	7206 Wellsley Manor Way	167	250	4th Creek	4th Creek	2/15/2006	2nd qtr 2006
37	9421 Mascot Road	167	250	Eastbridge	Eastbridge	4/19/2005	3rd qtr 2005
38	4591 Walden Pond Lane	167	250	Eastbridge	Eastbridge	6/22/2005	3rd qtr 2005
39	4682 Walden Pond Lane	167	250	Eastbridge	Eastbridge	6/23/2005	3rd qtr 2005
40	3904 Hillside Terrace Lane	167	250	Eastbridge	Eastbridge	7/14/2005	4th qtr 2005
41	4588 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	7/19/2005	4th qtr 2005
42	4596 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	7/19/2005	4th qtr 2005
43	6923 Whitewater Drive	167	250	Eastbridge	Eastbridge	7/19/2005	4th qtr 2005
44	Lot 78 9312 Johnson Road	167	250	Eastbridge	Eastbridge	7/26/2005	4th qtr 2005
45	Lot 82 9312 Johnson Road	167	250	Eastbridge	Eastbridge	7/26/2005	4th qtr 2005
46	Lot 87 9312 Johnson Road	167	250	Eastbridge	Eastbridge	7/26/2005	4th qtr 2005
47	Lot 89 9312 Johnson Road	167	250	Eastbridge	Eastbridge	7/26/2005	4th qtr 2005
48	3305 Roberts Road	334	501	Eastbridge	Eastbridge	8/1/2005	4th qtr 2005
49	6747 Casa Bella Drive	167	250	Eastbridge	Eastbridge	8/1/2005	4th qtr 2005
50	9307 Johnson Road	80	120	Eastbridge	Eastbridge	8/12/2005	4th qtr 2005

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51	Lot 74 Trey Drive	167	250	Eastbridge	Eastbridge	8/16/2005	4th qtr 2005
52	Lot 76 Trey Drive	167	250	Eastbridge	Eastbridge	8/16/2005	4th qtr 2005
53	Lot 90 Trey Drive	167	250	Eastbridge	Eastbridge	8/16/2005	4th qtr 2005
54	Lot 92 Trey Drive	167	250	Eastbridge	Eastbridge	8/16/2005	4th qtr 2005
55	2911 Roseberry Road	167	250	Eastbridge	Eastbridge	8/18/2005	4th qtr 2005
56	725 Drakewood Road	167	250	Eastbridge	Eastbridge	8/19/2005	4th qtr 2005
57	4544 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	8/24/2005	4th qtr 2005
58	4618 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	8/24/2005	4th qtr 2005
59	4400 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	9/21/2005	4th qtr 2005
60	4412 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	9/21/2005	4th qtr 2005
61	4518 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	9/21/2005	4th qtr 2005
62	4524 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	9/21/2005	4th qtr 2005
63	7731 Gilmore Lane	167	250	Eastbridge	Eastbridge	9/21/2005	4th qtr 2005
64	3305 Roberts Rd	167	250	Eastbridge	Eastbridge	10/5/2005	1st qtr 2006
65	6975 Whitewater Dr	167	250	Eastbridge	Eastbridge	10/24/2005	1st qtr 2006
66	711 Drakewood Rd	167	250	Eastbridge	Eastbridge	10/25/2005	1st qtr 2006
67	5411 Waldorf Ln	167	250	Eastbridge	Eastbridge	10/25/2005	1st qtr 2006
68	120 Honey Ridge Way	167	250	Eastbridge	Eastbridge	11/7/2005	1st qtr 2006
69	116 Honey Ridge Way	167	250	Eastbridge	Eastbridge	11/7/2005	1st qtr 2006
70	112 Honey Ridge Way	167	250	Eastbridge	Eastbridge	11/7/2005	1st qtr 2006
71	4548 Waldon Pond Ln	167	250	Eastbridge	Eastbridge	12/9/2005	1st qtr 2006
72	4578 Waldon Pond Ln	167	250	Eastbridge	Eastbridge	12/13/2005	1st qtr 2006
73	4540 Waldon Pond Ln	167	250	Eastbridge	Eastbridge	12/13/2005	1st qtr 2006
74	4535 Waldon pond Ln	167	250	Eastbridge	Eastbridge	12/21/2005	1st qtr 2006
75	6911 Whitewater Dr	167	250	Eastbridge	Eastbridge	12/21/2005	1st qtr 2006
76	622 Running Brook Dr	167	250	Eastbridge	Eastbridge	12/21/2005	1st qtr 2006
77	5615 Gateswalk Ln	167	250	Eastbridge	Eastbridge	12/22/2005	1st qtr 2006
78	2100 Mosaic Ln	167	250	Eastbridge	Eastbridge	12/22/2005	1st qtr 2006
79	2104 Mosaic Ln	167	250	Eastbridge	Eastbridge	12/22/2005	1st qtr 2006
80	2108 Mosaic Ln	167	250	Eastbridge	Eastbridge	12/22/2005	1st qtr 2006
81	649 Running Brook Drive	167	250	Eastbridge	Eastbridge	2/15/2006	2nd qtr 2006
82	4401 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	2/15/2006	2nd qtr 2006
83	4407 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	2/16/2006	1st qtr 2006
84	8720 Tigris Pointe Lane	167	250	Eastbridge	Eastbridge	2/16/2006	1st qtr 2006
85	6951 Whitewater Drive	167	250	Eastbridge	Eastbridge	2/16/2006	2nd qtr 2006
86	8401 Mari Ben Lane	167	250	Eastbridge	Eastbridge	2/16/2006	2nd qtr 2006
87	6945 Whitewater Drive	167	250	Eastbridge	Eastbridge	2/17/2006	1st qtr 2006
88	5101 Maloneyville Road	1503	2250	Eastbridge	Eastbridge	2/17/2006	2nd qtr 2006
89	121 Honey Ridge Way	167	250	Eastbridge	Eastbridge	2/17/2006	2nd qtr 2006
90	117 Honey Ridge Way	167	250	Eastbridge	Eastbridge	2/17/2006	2nd qtr 2006
91	8427 Mari Ben Lane	167	250	Eastbridge	Eastbridge	2/21/2006	2nd qtr 2006
92	8431 Mari Ben Lane	167	250	Eastbridge	Eastbridge	2/21/2006	2nd qtr 2006
93	8434 Mari Ben Lane	167	250	Eastbridge	Eastbridge	2/21/2006	2nd qtr 2006
94	8429 Reality Lane	167	250	Eastbridge	Eastbridge	2/21/2006	2nd qtr 2006
95	8447 Mari Ben Lane	167	250	Eastbridge	Eastbridge	2/21/2006	2nd qtr 2006
96	524 Drakewood Road	167	250	Eastbridge	Eastbridge	2/22/2006	1st qtr 2006
97	530 Drakewood Road	167	250	Eastbridge	Eastbridge	2/22/2006	1st qtr 2006
98	8421 Reality Lane	167	250	Eastbridge	Eastbridge	2/22/2006	2nd qtr 2006
99	8423 Mari Ben Lane	167	250	Eastbridge	Eastbridge	2/22/2006	2nd qtr 2006
100	8430 Mari Ben Lane	167	250	Eastbridge	Eastbridge	2/22/2006	2nd qtr 2006
101	4504 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	2/23/2006	1st qtr 2006
102	8410 Mari Ben Lane	167	250	Eastbridge	Eastbridge	2/23/2006	2nd qtr 2006

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103	4610 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	2/23/2006	2nd qtr 2006
104	4601 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	2/24/2006	1st qtr 2006
105	6917 Whitewater Drive	167	250	Eastbridge	Eastbridge	2/24/2006	2nd qtr 2006
106	6912 Whitewater Drive	167	250	Eastbridge	Eastbridge	2/24/2006	2nd qtr 2006
107	8405 Reality Lane	167	250	Eastbridge	Eastbridge	2/27/2006	2nd qtr 2006
108	4501 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	2/27/2006	2nd qtr 2006
109	4517 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	2/28/2006	2nd qtr 2006
110	6970 Whitewater Drive	167	250	Eastbridge	Eastbridge	2/28/2006	2nd qtr 2006
111	8419 Mari Ben Lane	167	250	Eastbridge	Eastbridge	2/28/2006	2nd qtr 2006
112	4522 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	2/28/2006	2nd qtr 2006
113	8806 Spindlewood Lane	167	250	Eastbridge	Eastbridge	3/1/2006	1st qtr 2006
114	8812 Spindlewood Lane	167	250	Eastbridge	Eastbridge	3/1/2006	1st qtr 2006
115	8415 Mari Ben Lane	167	250	Eastbridge	Eastbridge	3/1/2006	2nd qtr 2006
116	8417 Mari Ben Lane	167	250	Eastbridge	Eastbridge	3/1/2006	2nd qtr 2006
117	9307 Johnson Road	501	750	Eastbridge	Eastbridge	3/1/2006	2nd qtr 2006
118	1716 Number Two Drive	167	250	Eastbridge	Eastbridge	3/1/2006	2nd qtr 2006
119	8116 Chestnut Hill Lane	167	250	Eastbridge	Eastbridge	3/1/2006	2nd qtr 2006
120	9014 Richfield Lane	167	250	Eastbridge	Eastbridge	3/1/2006	2nd qtr 2006
121	9008 Richfield Lane	167	250	Eastbridge	Eastbridge	3/2/2006	2nd qtr 2006
122	9010 Richfield Lane	167	250	Eastbridge	Eastbridge	3/2/2006	2nd qtr 2006
123	8531 Colossal Lane	167	250	Eastbridge	Eastbridge	3/3/2006	2nd qtr 2006
124	912 Carter Ridge Drive	167	250	Eastbridge	Eastbridge	3/6/2006	1st qtr 2006
125	8417 Reality Lane	167	250	Eastbridge	Eastbridge	3/6/2006	2nd qtr 2006
126	8525 Colossal Lane	167	250	Eastbridge	Eastbridge	3/6/2006	2nd qtr 2006
127	8443 Mari Ben Lane	167	250	Eastbridge	Eastbridge	3/7/2006	2nd qtr 2006
128	9230 Gabrielle Road	167	250	Eastbridge	Eastbridge	3/7/2006	2nd qtr 2006
129	9316 Gabrielle Road	167	250	Eastbridge	Eastbridge	3/7/2006	2nd qtr 2006
130	9321 Gabrielle Road	167	250	Eastbridge	Eastbridge	3/7/2006	2nd qtr 2006
131	9242 Gabrielle Road	167	250	Eastbridge	Eastbridge	3/7/2006	2nd qtr 2006
132	918 Carter Ridge Drive	167	250	Eastbridge	Eastbridge	3/7/2006	2nd qtr 2006
133	924 Carter Ridge Drive	167	250	Eastbridge	Eastbridge	3/7/2006	2nd qtr 2006
134	930 Carter Ridge Drive	167	250	Eastbridge	Eastbridge	3/7/2006	2nd qtr 2006
135	618 Burris Road	167	250	Eastbridge	Eastbridge	3/8/2006	1st qtr 2006
136	8440 Reality Lane	167	250	Eastbridge	Eastbridge	3/8/2006	2nd qtr 2006
137	4583 Waldon Pond Lane	167	250	Eastbridge	Eastbridge	3/8/2006	2nd qtr 2006
138	8436 Reality Lane	167	250	Eastbridge	Eastbridge	3/8/2006	2nd qtr 2006
139	5246 Hugh Willis Road	167	250	1st Creek	Kuwahee	6/20/2005	3rd qtr 2005
140	3814 Dance Avenue	175	263	3rd Creek	Kuwahee	6/28/2005	3rd qtr 2005
141	4511 Sunflower Drive	167	250	3rd Creek	Kuwahee	6/28/2005	3rd qtr 2005
142	2820 Delrose Drive	167	250	Williams Creek	Kuwahee	6/28/2005	3rd qtr 2005
143	6101 Round Hill Lane	276	414	3rd Creek	Kuwahee	6/30/2005	3rd qtr 2005
144	4651 Topsail Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
145	4655 Topsail Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
146	5004 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
147	5008 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
148	5012 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
149	5016 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
150	5020 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
151	5024 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
152	5028 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
153	5032 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
154	5044 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005

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155	5071 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
156	5075 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
157	5124 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
158	5170 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
159	5174 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
160	5178 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
161	5182 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
162	5185 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
163	5186 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
164	5189 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
165	5190 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
166	528 Dovewood Way	167	250	1st Creek	Kuwahee	7/14/2005	4th qtr 2005
167	4540 Roundlake Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
168	4541 Roundlake Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
169	4544 Roundlake Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
170	4545 Roundlake Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
171	4548 Roundlake Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
172	4554 Roundlake Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
173	4556 Roundlake Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
174	4558 Roundlake Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
175	4559 Roundlake Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
176	4600 Topsail Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
177	4601 Topsail Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
178	4604 Topsail Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
179	4612 Topsail Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
180	4616 Topsail Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
181	4620 Topsail Way	167	250	1st Creek	Kuwahee	7/15/2005	4th qtr 2005
182	1711 Maple View Way	4200	6300	1st Creek	Kuwahee	7/19/2005	4th qtr 2005
183	401 Allen Road	167	250	South Knox / Knob Cr	Kuwahee	7/26/2005	4th qtr 2005
184	6111 Shannon Valley Farms Blvd	167	250	1st Creek	Kuwahee	8/18/2005	4th qtr 2005
185	2214 Woods-Smith Road	167	250	3rd Creek	Kuwahee	8/18/2005	4th qtr 2005
186	4914 Sunday Silence Drive	167	250	1st Creek	Kuwahee	8/19/2005	4th qtr 2005
187	5005 Blazing Star Lane	167	250	1st Creek	Kuwahee	8/19/2005	4th qtr 2005
188	6107 Shannon Valley Farms Blvd	167	250	1st Creek	Kuwahee	8/19/2005	4th qtr 2005
189	4431 Avery Village Way	700	1050	3rd Creek	Kuwahee	8/25/2005	4th qtr 2005
190	625 Glenoaks Drive	167	250	1st Creek	Kuwahee	9/1/2005	4th qtr 2005
191	629 Glenoaks Drive	167	250	1st Creek	Kuwahee	9/1/2005	4th qtr 2005
192	633 Glenoaks Drive	167	250	1st Creek	Kuwahee	9/1/2005	4th qtr 2005
193	2252 McClung Avenue	167	250	South Knox / Knob Cr	Kuwahee	9/13/2005	4th qtr 2005
194	1203 Delaware Avenue	167	250	2nd Creek	Kuwahee	9/20/2005	4th qtr 2005
195	505 Pertinax Drive	100	150	2nd Creek	Kuwahee	9/27/2005	4th qtr 2005
196	3612 Henson Road	118	177	3rd Creek	Kuwahee	9/29/2005	4th qtr 2005
197	1148 Cherokee Trl	167	250	South Knox / Knob Cr	Kuwahee	10/4/2005	1st qtr 2006
198	1148 Cherokee Trl	1169	1750	South Knox / Knob Cr	Kuwahee	10/6/2005	1st qtr 2006
199	1148 Cherokee Trl	1002	1500	South Knox / Knob Cr	Kuwahee	10/6/2005	1st qtr 2006
200	4701 Truan Ridge Way	167	250	1st Creek	Kuwahee	10/12/2005	1st qtr 2006
201	607 Market St	0	0	2nd Creek	Kuwahee	10/12/2005	1st qtr 2006
202	215 Bearden Pl	22545	33750	2nd Creek	Kuwahee	10/18/2005	1st qtr 2006
203	822 W Anderson Ave	167	250	2nd Creek	Kuwahee	10/18/2005	1st qtr 2006
204	1022 Knoxville College Dr	167	250	3rd Creek	Kuwahee	10/18/2005	1st qtr 2006
205	4909 Sunday Silence Dr	167	250	1st Creek	Kuwahee	10/20/2005	1st qtr 2006
206	1502 N Sixth Ave	0	0	1st Creek	Kuwahee	10/20/2005	1st qtr 2006

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207	3226 Tazewell Pk	668	1000 1st Creek	Kuwahee	10/20/2005	1st qtr 2006
208	1817 Laurel Ave	0	0 3rd Creek	Kuwahee	10/25/2005	1st qtr 2006
209	4717 Creekrock Ln	167	250 1st Creek	Kuwahee	10/31/2005	1st qtr 2006
210	4225 Apex Dr	334	500 3rd Creek	Kuwahee	11/3/2005	1st qtr 2006
211	3629 Aztec Ln	167	250 WKUD	Kuwahee	11/4/2005	1st qtr 2006
212	3413 Miller Creek Rd	167	250 WKUD	Kuwahee	11/7/2005	1st qtr 2006
213	3825 Cate Ave	167	250 3rd Creek	Kuwahee	11/9/2005	1st qtr 2006
214	827 Colonial Estates Way	167	250 South Knox / Knob Cr	Kuwahee	11/9/2005	1st qtr 2006
215	823 Colonial Estates Way	167	250 South Knox / Knob Cr	Kuwahee	11/9/2005	1st qtr 2006
216	815 Colonial Estates Way	167	250 South Knox / Knob Cr	Kuwahee	11/9/2005	1st qtr 2006
217	2203 McCalla Ave	167	250 1st Creek	Kuwahee	11/11/2005	1st qtr 2006
218	425 Atlantic Ave	167	250 2nd Creek	Kuwahee	11/11/2005	1st qtr 2006
219	3036 Oakleigh Township Dr	167	250 WKUD	Kuwahee	11/11/2005	1st qtr 2006
220	3040 Oakleigh Township Dr	167	250 WKUD	Kuwahee	11/11/2005	1st qtr 2006
221	4800 Linton Rose Ln	167	250 1st Creek	Kuwahee	11/14/2005	1st qtr 2006
222	3825 Cherokee Woods Way	1503	2250 South Knox / Knob Cr	Kuwahee	11/14/2005	1st qtr 2006
223	3831 Cherokee Woods Way	1503	2250 South Knox / Knob Cr	Kuwahee	11/14/2005	1st qtr 2006
224	3950 Cherokee Woods Way	3006	4500 South Knox / Knob Cr	Kuwahee	11/14/2005	1st qtr 2006
225	2200 Grand Ave	3173	4750 3rd Creek	Kuwahee	11/15/2005	1st qtr 2006
226	3915 Cherokee Woods Way	3006	4500 South Knox / Knob Cr	Kuwahee	11/15/2005	1st qtr 2006
227	3940 Cherokee Woods Way	1503	2250 South Knox / Knob Cr	Kuwahee	11/15/2005	1st qtr 2006
228	3921 Cherokee Woods Way	1503	2250 South Knox / Knob Cr	Kuwahee	11/15/2005	1st qtr 2006
229	3914 Cherokee Woods Way	3340	5000 South Knox / Knob Cr	Kuwahee	11/15/2005	1st qtr 2006
230	3415 Cherokee Woods Way	835	1250 South Knox / Knob Cr	Kuwahee	11/15/2005	1st qtr 2006
231	3918 Cherokee Woods Way	2672	4000 South Knox / Knob Cr	Kuwahee	11/15/2005	1st qtr 2006
232	3922 Cherokee Woods Way	2171	3250 South Knox / Knob Cr	Kuwahee	11/15/2005	1st qtr 2006
233	3930 Cherokee Woods Way	2505	3750 South Knox / Knob Cr	Kuwahee	11/15/2005	1st qtr 2006
234	3934 Cherokee Woods Way	2505	3750 South Knox / Knob Cr	Kuwahee	11/15/2005	1st qtr 2006
235	1019 Drive E	167	250 South Knox / Knob Cr	Kuwahee	11/23/2005	1st qtr 2006
236	4719 Old Broadway	0	0 1st Creek	Kuwahee	12/8/2005	1st qtr 2006
237	1502 N Sixth Ave	0	0 1st Creek	Kuwahee	12/8/2005	1st qtr 2006
238	2129 Park Grove Ln	167	250 3rd Creek	Kuwahee	12/14/2005	1st qtr 2006
239	2921 Oakleigh Township Dr	167	250 WKUD	Kuwahee	12/14/2005	1st qtr 2006
240	2917 Oakleigh Township Dr	167	250 WKUD	Kuwahee	12/14/2005	1st qtr 2006
241	1444 Breda Dr	1503	2250 2nd Creek	Kuwahee	12/15/2005	1st qtr 2006
242	2340 Martin Luther King Jr	334	500 Williams Creek	Kuwahee	12/16/2005	1st qtr 2006
243	6717 Capeside Ln	167	250 WKUD	Kuwahee	12/21/2005	1st qtr 2006
244	5101 Horstall Dr	167	250 1st Creek	Kuwahee	12/22/2005	1st qtr 2006
245	5105 Horstall Dr	167	250 1st Creek	Kuwahee	12/22/2005	1st qtr 2006
246	5109 Horstall Dr	167	250 1st Creek	Kuwahee	12/22/2005	1st qtr 2006
247	5113 Horstall Dr	167	250 1st Creek	Kuwahee	12/22/2005	1st qtr 2006
248	1014 Atlantic Avenue	167	250 1st Creek	Kuwahee	1/3/2006	1st qtr 2006
249	1214 Adair Drive	167	250 1st Creek	Kuwahee	1/3/2006	1st qtr 2006
250	4739 Ivy Rose Drive	167	250 1st Creek	Kuwahee	1/3/2006	1st qtr 2006
251	5854 Fairhill Lane	167	250 1st Creek	Kuwahee	1/3/2006	1st qtr 2006
252	5020 Horstall Drive	167	250 1st Creek	Kuwahee	1/3/2006	2nd qtr 2006
253	4704 Creekrock Lane	167	250 1st Creek	Kuwahee	1/3/2006	2nd qtr 2006
254	4906 Sunday Silence Drive	167	250 1st Creek	Kuwahee	1/3/2006	2nd qtr 2006
255	4716 Creekrock Lane	167	250 1st Creek	Kuwahee	1/3/2006	2nd qtr 2006
256	1329 Grainger Avenue	167	250 1st Creek	Kuwahee	1/4/2006	1st qtr 2006
257	4601 Ivy Rose Drive	167	250 1st Creek	Kuwahee	1/4/2006	1st qtr 2006
258	4607 Ivy Rose Drive	167	250 1st Creek	Kuwahee	1/4/2006	1st qtr 2006

Not yet connected = shaded

CAP List of New Connections Since May 20, 2004

259	4613 Ivy Rose Drive	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
260	4619 Ivy Rose Drive	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
261	4625 Ivy Rose Drive	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
262	5701 Enchanted Lane	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
263	5715 Enchanted Lane	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
264	5723 Enchanted Lane	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
265	5727 Enchanted Lane	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
266	5731 Enchanted Lane	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
267	5735 Enchanted Lane	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
268	5738 Enchanted Lane	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
269	5739 Enchanted Lane	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
270	5742 Enchanted Lane	167	250	1st Creek	Kuwahee	1/4/2006	1st qtr 2006
271	5109 Horsestall Drive	167	250	1st Creek	Kuwahee	1/4/2006	2nd qtr 2006
272	4705 Creekrock Lane	167	250	1st Creek	Kuwahee	1/4/2006	2nd qtr 2006
273	4910 Sunday Silence Drive	167	250	1st Creek	Kuwahee	1/4/2006	2nd qtr 2006
274	4700 Creekrock Lane	167	250	1st Creek	Kuwahee	1/4/2006	2nd qtr 2006
275	5713 Enchanted Lane	167	250	1st Creek	Kuwahee	1/4/2006	2nd qtr 2006
276	4137 Riverstone Lane	167	250	1st Creek	Kuwahee	1/5/2006	1st qtr 2006
277	4210 Homewood Road	167	250	1st Creek	Kuwahee	1/5/2006	1st qtr 2006
278	5114 Dovewood Way	167	250	1st Creek	Kuwahee	1/5/2006	1st qtr 2006
279	4629 Ivy Rose Drive	167	250	1st Creek	Kuwahee	1/5/2006	2nd qtr 2006
280	2232 Woodrow Drive	334	500	1st Creek	Kuwahee	1/10/2006	1st qtr 2006
281	4016 Oakland Drive	167	250	1st Creek	Kuwahee	1/10/2006	1st qtr 2006
282	4018 Oakland Drive	167	250	1st Creek	Kuwahee	1/10/2006	1st qtr 2006
283	5110 Dovewood Way	167	250	1st Creek	Kuwahee	1/10/2006	1st qtr 2006
284	2300 Woodrow Drive	167	250	1st Creek	Kuwahee	1/10/2006	2nd qtr 2006
285	5178 Dovewood Way	167	250	1st Creek	Kuwahee	1/10/2006	2nd qtr 2006
286	5182 Dovewood Way	167	250	1st Creek	Kuwahee	1/11/2006	2nd qtr 2006
287	2238 Woodrow Drive	167	250	1st Creek	Kuwahee	1/12/2006	1st qtr 2006
288	5237 Walkercrest Lane	167	250	1st Creek	Kuwahee	1/12/2006	1st qtr 2006
289	2244 Woodrow Drive	167	250	1st Creek	Kuwahee	1/12/2006	2nd qtr 2006
290	4723 Creekrock Lane	167	250	1st Creek	Kuwahee	1/12/2006	2nd qtr 2006
291	4708 Creekrock Lane	167	250	1st Creek	Kuwahee	1/12/2006	2nd qtr 2006
292	4720 Creekrock Lane	167	250	1st Creek	Kuwahee	1/12/2006	2nd qtr 2006
293	4724 Creekrock Lane	167	250	1st Creek	Kuwahee	1/12/2006	2nd qtr 2006
294	5104 Horsestall Lane	167	250	1st Creek	Kuwahee	1/17/2006	2nd qtr 2006
295	5112 Horsestall Lane	167	250	1st Creek	Kuwahee	1/17/2006	2nd qtr 2006
296	6437 Mont Richer Avenue	167	250	1st Creek	Kuwahee	1/17/2006	2nd qtr 2006
297	4712 Creekrock Lane	167	250	1st Creek	Kuwahee	1/17/2006	2nd qtr 2006
298	4217 Homewood Road	167	250	1st Creek	Kuwahee	1/19/2006	1st qtr 2006
299	5214 McCampbell Hill Lane	167	250	1st Creek	Kuwahee	1/19/2006	2nd qtr 2006
300	6547 Virginia Lee Lane	167	250	1st Creek	Kuwahee	1/19/2006	2nd qtr 2006
301	6419 Mont Richer Avenue	167	250	1st Creek	Kuwahee	1/19/2006	2nd qtr 2006
302	6515 Virginia Lee Lane	167	250	1st Creek	Kuwahee	1/19/2006	2nd qtr 2006
303	50001 Plum Rose Lane	167	250	1st Creek	Kuwahee	1/19/2006	2nd qtr 2006
304	4611 French Lace Lane	167	250	1st Creek	Kuwahee	1/19/2006	2nd qtr 2006
305	5007 Plum Rose Lane	167	250	1st Creek	Kuwahee	1/19/2006	2nd qtr 2006
306	5008 Plum Rose Lane	167	250	1st Creek	Kuwahee	1/19/2006	2nd qtr 2006
307	5014 Plum Rose Lane	167	250	1st Creek	Kuwahee	1/24/2006	2nd qtr 2006
308	4519 French Lace Lane	167	250	1st Creek	Kuwahee	1/24/2006	2nd qtr 2006
309	5011 Plum Rose Lane	167	250	1st Creek	Kuwahee	1/24/2006	2nd qtr 2006
310	3428 Tazewell Pike	1670	2500	1st Creek	Kuwahee	1/24/2006	2nd qtr 2006

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311	2201 McCalla Avenue	167	250	1st Creek	Kuwahee	1/24/2006	2nd qtr 2006
312	3232 Tazewell Pike	1670	2500	1st Creek	Kuwahee	1/24/2006	2nd qtr 2006
313	4600 Fennel Road	167	250	2nd Creek	Kuwahee	1/25/2006	2nd qtr 2006
314	3115 Coram Street	167	250	2nd Creek	Kuwahee	1/25/2006	2nd qtr 2006
315	1140 Mechanics Way	334	500	2nd Creek	Kuwahee	1/26/2006	1st qtr 2006
316	410 Merchant Drive	11690	17500	2nd Creek	Kuwahee	1/26/2006	1st qtr 2006
317	409 N Broadway	167	250	2nd Creek	Kuwahee	1/26/2006	2nd qtr 2006
318	435 Union Avenue	3006	4500	2nd Creek	Kuwahee	1/26/2006	2nd qtr 2006
319	3220 Leland Street	167	250	2nd Creek	Kuwahee	1/27/2006	1st qtr 2006
320	435 Union Avenue	4008	6000	2nd Creek	Kuwahee	1/27/2006	2nd qtr 2006
321	814 Sidebrook Avenue	167	250	2nd Creek	Kuwahee	1/27/2006	2nd qtr 2006
322	120 Merchant Drive	8183	12250	2nd Creek	Kuwahee	1/27/2006	2nd qtr 2006
323	1364 Shepard Street	167	250	2nd Creek	Kuwahee	1/30/2006	1st qtr 2006
324	406 Merchant Drive	11690	17500	2nd Creek	Kuwahee	1/30/2006	2nd qtr 2006
325	1362 Shepard Street	167	250	2nd Creek	Kuwahee	1/31/2006	1st qtr 2006
326	1853 Tillery Square Lane	167	250	3rd Creek	Kuwahee	1/31/2006	1st qtr 2006
327	6044 Glenmay Drive	167	250	3rd Creek	Kuwahee	1/31/2006	1st qtr 2006
328	3049 Legacy Pointe Way	2839	4250	3rd Creek	Kuwahee	1/31/2006	2nd qtr 2006
329	3057 Legacy Pointe Way	2839	4250	3rd Creek	Kuwahee	1/31/2006	2nd qtr 2006
330	2901 Legacy Pointe Way	835	1250	3rd Creek	Kuwahee	1/31/2006	2nd qtr 2006
331	3052 Legacy Pointe Way	3340	5000	3rd Creek	Kuwahee	1/31/2006	2nd qtr 2006
332	2901 Legacy Pointe Way	334	500	3rd Creek	Kuwahee	1/31/2006	2nd qtr 2006
333	3006 Legacy Pointe Way	334	500	3rd Creek	Kuwahee	1/31/2006	2nd qtr 2006
334	3041 Legacy Pointe Way	2839	4250	3rd Creek	Kuwahee	2/1/2006	2nd qtr 2006
335	3018 Legacy Pointe Way	2839	4250	3rd Creek	Kuwahee	2/1/2006	2nd qtr 2006
336	3040 Legacy Pointe Way	334	500	3rd Creek	Kuwahee	2/1/2006	2nd qtr 2006
337	2910 Legacy Pointe Way	3507	5250	3rd Creek	Kuwahee	2/1/2006	2nd qtr 2006
338	3034 Legacy Pointe Way	2839	4250	3rd Creek	Kuwahee	2/1/2006	2nd qtr 2006
339	2902 Legacy Pointe Way	3507	5250	3rd Creek	Kuwahee	2/1/2006	2nd qtr 2006
340	2920 Legacy Pointe Way	3507	5250	3rd Creek	Kuwahee	2/2/2006	2nd qtr 2006
341	2930 Legacy Pointe Way	2672	4000	3rd Creek	Kuwahee	2/2/2006	2nd qtr 2006
342	3000 Legacy Pointe Way	2839	4250	3rd Creek	Kuwahee	2/2/2006	2nd qtr 2006
343	3012 Legacy Pointe Way	2839	4250	3rd Creek	Kuwahee	2/2/2006	2nd qtr 2006
344	3026 Legacy Pointe Way	2839	4250	3rd Creek	Kuwahee	2/2/2006	2nd qtr 2006
345	1814 Tillery Square Lane	167	250	3rd Creek	Kuwahee	2/3/2006	1st qtr 2006
346	1882 Explorer Lane	167	250	3rd Creek	Kuwahee	2/3/2006	1st qtr 2006
347	2517 Waverly Street	167	250	3rd Creek	Kuwahee	2/3/2006	1st qtr 2006
348	2808 Eaglewood Lane	167	250	3rd Creek	Kuwahee	2/3/2006	1st qtr 2006
349	3235 Middlebrook Pike	501	750	3rd Creek	Kuwahee	2/3/2006	1st qtr 2006
350	3615 Sutherland Avenue	9686	14500	3rd Creek	Kuwahee	2/3/2006	1st qtr 2006
351	5337 Montwood Drive	167	250	3rd Creek	Kuwahee	2/3/2006	1st qtr 2006
352	6125 Western Avenue	167	250	3rd Creek	Kuwahee	2/3/2006	1st qtr 2006
353	6301 Stillglen Lane	167	250	3rd Creek	Kuwahee	2/3/2006	1st qtr 2006
354	3324 Sutherland Avenue	167	250	3rd Creek	Kuwahee	2/3/2006	2nd qtr 2006
355	6317 Stilglen Lane	167	250	3rd Creek	Kuwahee	2/3/2006	2nd qtr 2006
356	6108 Glenmay Drive	167	250	3rd Creek	Kuwahee	2/3/2006	2nd qtr 2006
357	2930 Legacy Pointe Way	334	500	3rd Creek	Kuwahee	2/3/2006	2nd qtr 2006
358	3618 Dance Avenue	167	250	3rd Creek	Kuwahee	2/3/2006	2nd qtr 2006
359	5829 Pine Needle Lane	167	250	3rd Creek	Kuwahee	2/3/2006	2nd qtr 2006
360	6032 Glenmay Drive	167	250	3rd Creek	Kuwahee	2/3/2006	2nd qtr 2006
361	2112 Country Brook Lane	167	250	3rd Creek	Kuwahee	2/3/2006	2nd qtr 2006
362	3318 McPherson Street	167	250	3rd Creek	Kuwahee	2/3/2006	2nd qtr 2006

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363	2745 Jersey Avenue	2004	3000	3rd Creek	Kuwahee	2/3/2006	2nd qtr 2006
364	6306 Stillglen Lane	167	250	3rd Creek	Kuwahee	2/6/2006	2nd qtr 2006
365	6004 Glenmay Drive	167	250	3rd Creek	Kuwahee	2/6/2006	2nd qtr 2006
366	2117 Park Grove Lane	167	250	3rd Creek	Kuwahee	2/6/2006	2nd qtr 2006
367	6313 Stillglen Lane	167	250	3rd Creek	Kuwahee	2/6/2006	2nd qtr 2006
368	6108 Glenmay Drive	167	250	3rd Creek	Kuwahee	2/8/2006	2nd qtr 2006
369	2112 Park Grove Lane	167	250	3rd Creek	Kuwahee	2/9/2006	1st qtr 2006
370	2800 Merchant Drive	501	750	3rd Creek	Kuwahee	2/9/2006	1st qtr 2006
371	1900 Western Avenue	1336	2000	3rd Creek	Kuwahee	2/9/2006	2nd qtr 2006
372	6200 Vandemer Drive	167	250	3rd Creek	Kuwahee	2/14/2006	2nd qtr 2006
373	3275 Sutherland Avenue	167	250	3rd Creek	Kuwahee	2/14/2006	2nd qtr 2006
374	301 Gilbert Lane	167	250	South Knox / Knob Creek	Kuwahee	3/23/2006	1st qtr 2006
375	2505 Chimney Rock Lane	167	250	South Knox / Knob Creek	Kuwahee	3/24/2006	1st qtr 2006
376	2516 Chimney Rock Lane	167	250	South Knox / Knob Creek	Kuwahee	3/24/2006	1st qtr 2006
377	4900 Creek Bank Drive	167	250	South Knox / Knob Creek	Kuwahee	3/24/2006	1st qtr 2006
378	2315 Chapman Hwy	0	0	South Knox / Knob Creek	Kuwahee	3/24/2006	2nd qtr 2006
379	706 Chamberlain Manor Way	167	250	South Knox / Knob Creek	Kuwahee	3/24/2006	2nd qtr 2006
380	417 W Blount Avenue	20374	30500	South Knox / Knob Creek	Kuwahee	3/24/2006	2nd qtr 2006
381	700 Chamberlain Manor Way	167	250	South Knox / Knob Creek	Kuwahee	3/24/2006	2nd qtr 2006
382	2701 Spence Lane	0	0	South Knox / Knob Creek	Kuwahee	3/28/2006	1st qtr 2006
383	221 Liveoak Lane	167	250	South Knox / Knob Creek	Kuwahee	3/28/2006	2nd qtr 2006
384	225 Liveoak Lane	167	250	South Knox / Knob Creek	Kuwahee	3/28/2006	2nd qtr 2006
385	5625 Neubert Springs Road	167	250	South Knox / Knob Creek	Kuwahee	3/28/2006	2nd qtr 2006
386	1547 Kenro Drive	167	250	Williams Creek	Kuwahee	3/29/2006	1st qtr 2006
387	3002 Lay Avenue	167	250	Williams Creek	Kuwahee	3/29/2006	1st qtr 2006
388	3037 Oakleigh Township Drive	167	250	WKUD	Kuwahee	3/29/2006	2nd qtr 2006
389	706 S Elmwood Street	167	250	Williams Creek	Kuwahee	3/29/2006	2nd qtr 2006
390	2126 Brooks Avenue	9018	13500	Williams Creek	Kuwahee	3/29/2006	2nd qtr 2006
391	1209 Amy Street	167	250	South Knox / Knob Creek	Kuwahee	3/29/2006	2nd qtr 2006
392	4346 Greelay Ford Road	167	250	South Knox / Knob Creek	Kuwahee	3/29/2006	2nd qtr 2006
393	2424 Southside Road	167	250	South Knox / Knob Creek	Kuwahee	3/29/2006	2nd qtr 2006
394	2800 Mossy Oaks Lane	167	250	WKUD	Kuwahee	3/30/2006	2nd qtr 2006
395	3437 Miller Creek Road	167	250	WKUD	Kuwahee	3/31/2006	1st qtr 2006
396	5721 Capeside Lane	167	250	WKUD	Kuwahee	3/31/2006	1st qtr 2006
397	7334 Olive Branch Lane	167	250	WKUD	Kuwahee	3/31/2006	1st qtr 2006
398	3043 Oakleigh Township Drive	167	250	WKUD	Kuwahee	3/31/2006	2nd qtr 2006
399	3200 Gose Cove Lane	167	250	WKUD	Kuwahee	3/31/2006	2nd qtr 2006
400	7023 Trellis Way	167	250	Loves Creek	Loves Creek	8/4/2005	4th qtr 2005
401	7407 Mountie Lane	167	250	Loves Creek	Loves Creek	8/8/2005	4th qtr 2005
402	2739 Rushland Park Blvd	167	250	Loves Creek	Loves Creek	9/29/2005	4th qtr 2005
403	2746 Rushland Park Blvd	167	250	Loves Creek	Loves Creek	9/29/2005	4th qtr 2005
404	8742 Rushland Park Blvd	167	250	Loves Creek	Loves Creek	9/29/2005	4th qtr 2005
405	2734 Rushland Park Blvd	167	250	Loves Creek	Loves Creek	10/17/2005	1st qtr 2006
406	6606 Rutledge Pk	167	250	Loves Creek	Loves Creek	10/19/2005	1st qtr 2006
407	6301 Old Rutledge Pk	334	500	Loves Creek	Loves Creek	10/19/2005	1st qtr 2006
408	2735 Rushland Park Blvd	167	250	Loves Creek	Loves Creek	10/20/2005	1st qtr 2006
409	2717 Rushland Park Blvd	167	250	Loves Creek	Loves Creek	10/20/2005	1st qtr 2006
410	2721 Rushland Park Blvd	167	250	Loves Creek	Loves Creek	10/20/2005	4th qtr 2005
411	5715 Parasol Ln	167	250	Loves Creek	Loves Creek	10/24/2005	1st qtr 2006
412	5719 Parasol Ln	167	250	Loves Creek	Loves Creek	10/24/2005	1st qtr 2006
413	5229 Sinclair Dr	334	500	Loves Creek	Loves Creek	10/25/2005	1st qtr 2006
414	7051 Strawberry Plains Pk	334	500	Loves Creek	Loves Creek	11/1/2005	1st qtr 2006

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415	5825 Parasol Ln	167	250 Loves Creek	Loves Creek	11/3/2005	1st qtr 2006
416	5237 Sinclair Dr	334	500 Loves Creek	Loves Creek	11/9/2005	1st qtr 2006
417	5246 Blue Star Dr	334	500 Loves Creek	Loves Creek	11/11/2005	1st qtr 2006
418	2714 Rushland Park Blvd	167	250 Loves Creek	Loves Creek	11/17/2005	1st qtr 2006
419	2127 Mosaic Ln	167	250 Loves Creek	Loves Creek	11/21/2005	1st qtr 2006
420	5706 Parasol Ln	167	250 Loves Creek	Loves Creek	11/21/2005	1st qtr 2006
421	5710 Parasol Ln	167	250 Loves Creek	Loves Creek	11/21/2005	1st qtr 2006
422	5714 Parasol Ln	167	250 Loves Creek	Loves Creek	11/21/2005	1st qtr 2006
423	5718 Parasol Ln	167	250 Loves Creek	Loves Creek	11/21/2005	1st qtr 2006
424	5722 Parasol Ln	167	250 Loves Creek	Loves Creek	11/21/2005	1st qtr 2006
425	2131 Mosaic Ln	167	250 Loves Creek	Loves Creek	11/22/2005	1st qtr 2006
426	2122 Mosaic Ln	167	250 Loves Creek	Loves Creek	11/22/2005	1st qtr 2006
427	2132 Mosaic Ln	167	250 Loves Creek	Loves Creek	11/22/2005	1st qtr 2006
428	3105 Boyds Bridge Pk	167	250 Loves Creek	Loves Creek	11/23/2005	1st qtr 2006
429	7023 Trellis Way	167	250 Loves Creek	Loves Creek	12/8/2005	1st qtr 2006
430	5713 Millertown Pk	167	250 Loves Creek	Loves Creek	12/12/2005	1st qtr 2006
431	2760 Rushland Park Blvd	167	250 Loves Creek	Loves Creek	12/12/2005	1st qtr 2006
432	5712 Grasswalk Ln	167	250 Loves Creek	Loves Creek	12/14/2005	1st qtr 2006
433	3916 Lilac Ave	167	250 Loves Creek	Loves Creek	12/15/2005	1st qtr 2006
434	5607 Holston Hills Road	167	250 Loves Creek	Loves Creek	3/8/2006	2nd qtr 2006
435	5305 Sioux Drive	167	250 Loves Creek	Loves Creek	3/9/2006	1st qtr 2006
436	5309 Sioux Drive	167	250 Loves Creek	Loves Creek	3/9/2006	1st qtr 2006
437	7322 Beechleaf Road	167	250 Loves Creek	Loves Creek	3/9/2006	1st qtr 2006
438	2127 Mosaic Lane	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
439	2742 Rushland Park Blvd	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
440	1700 Wisteria View Way	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
441	1702 Wisteria View Way	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
442	1704 Wisteria View Way	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
443	2705 Rushland Park Blvd	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
444	1635 Cathedral Lane	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
445	1614 Cathedral Lane	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
446	1623 Cathedral Lane	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
447	1615 Cathedral Lane	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
448	1619 Cathedral Lane	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
449	6158 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
450	6149 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/9/2006	2nd qtr 2006
451	6126 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/10/2006	2nd qtr 2006
452	6130 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/10/2006	2nd qtr 2006
453	6136 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/13/2006	2nd qtr 2006
454	6140 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/14/2006	2nd qtr 2006
455	6146 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/14/2006	2nd qtr 2006
456	6154 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/14/2006	2nd qtr 2006
457	6166 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/14/2006	2nd qtr 2006
458	6170 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/14/2006	2nd qtr 2006
459	6174 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/14/2006	2nd qtr 2006
460	6178 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/14/2006	2nd qtr 2006
461	6165 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/14/2006	2nd qtr 2006
462	6150 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/14/2006	2nd qtr 2006
463	6161 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/16/2006	2nd qtr 2006
464	6169 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/16/2006	2nd qtr 2006
465	6173 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/16/2006	2nd qtr 2006
466	6153 McMillan Creek Drive	167	250 Loves Creek	Loves Creek	3/16/2006	2nd qtr 2006

CAP List of New Connections Since May 20, 2004

467	6141 McMillan Creek Drive	167	250	Loves Creek	Loves Creek	3/16/2006	2nd qtr 2006
468	6145 McMillan Creek Drive	167	250	Loves Creek	Loves Creek	3/16/2006	2nd qtr 2006
469	4323 Comet Lane	167	250	Loves Creek	Loves Creek	3/17/2006	1st qtr 2006
470	7210 Strawberry Plains Pike	5845	8750	Loves Creek	Loves Creek	3/20/2006	2nd qtr 2006
471	416 Ranger Lane	167	250	Loves Creek	Loves Creek	3/21/2006	1st qtr 2006
472	6020 Haulers Lane	1169	1750	Loves Creek	Loves Creek	3/21/2006	2nd qtr 2006
473	5323 Blue Star Drive	334	500	Loves Creek	Loves Creek	3/21/2006	2nd qtr 2006
474	110 Holston Fairy Road	167	250	Loves Creek	Loves Creek	3/21/2006	2nd qtr 2006
475	2109 Mosaic Lane	167	250	Loves Creek	Loves Creek	3/21/2006	2nd qtr 2006
476	2105 Mosaic Lane	167	250	Loves Creek	Loves Creek	3/21/2006	2nd qtr 2006
477	5900 Green Valley Drive	167	250	Loves Creek	Loves Creek	3/21/2006	2nd qtr 2006
478	2113 Mosaic Lane	167	250	Loves Creek	Loves Creek	3/22/2006	2nd qtr 2006
479	2117 Mosaic Lane	167	250	Loves Creek	Loves Creek	3/22/2006	2nd qtr 2006
480	1627 Cathedral Lane	167	250	Loves Creek	Loves Creek	3/22/2006	2nd qtr 2006
481	1600 Cathedral Lane	167	250	Loves Creek	Loves Creek	3/22/2006	2nd qtr 2006
482	806 Blakely Court	334	500	Loves Creek	Loves Creek	3/22/2006	2nd qtr 2006
483	1653 Wisteria View Way	167	250	Loves Creek	Loves Creek	3/22/2006	2nd qtr 2006
484	1651 Wisteria View Way	167	250	Loves Creek	Loves Creek	3/22/2006	2nd qtr 2006
485	1655 Wisteria View Way	167	250	Loves Creek	Loves Creek	3/23/2006	2nd qtr 2006
486	2743 Rushland Park Blvd	167	250	Loves Creek	Loves Creek	3/23/2006	2nd qtr 2006
487	7556 Palmer Lane	167	250	Loves Creek	Loves Creek	3/23/2006	2nd qtr 2006
488	6375 Sky Song Lane	167	250	Loves Creek	Loves Creek	3/23/2006	2nd qtr 2006
489	6359 Sky Song Lane	167	250	Loves Creek	Loves Creek	3/23/2006	2nd qtr 2006
490	6363 Sky Song Lane	167	250	Loves Creek	Loves Creek	3/23/2006	2nd qtr 2006
491	6367 Sky Song Lane	167	250	Loves Creek	Loves Creek	3/23/2006	2nd qtr 2006
492	6371 Sky Song Lane	167	250	Loves Creek	Loves Creek	3/23/2006	2nd qtr 2006

Appendix B

SSOs

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Date	Time	Street #	Street	Plant	Watershed	Basin	Overflow Location	Pathway	Receiving Water	Cause of SSO/KUB Response	Total Volume (Gallons)	Recovered Volume (Gallons)	Non-Recovered Volume (Gallons)	Duration (Hours)	Unpermitted Discharge
1/2/2006	7:40 PM	5315	BENT RIVER BOULEVARD	FC	Fourth Creek	43	Grinder Pump	Soil Saturation		The residential grinder pump was replaced after the mechanical failure of the pump.	10	0		2	No
1/2/2006	4:15 PM	2111	COVE VIEW WAY	FC	Fourth Creek	43	Grinder Pump	Soil Saturation		The residential grinder pump was repaired after the electrical failure of the pump.	10	0	10	4	No
1/4/2006	10:00 AM	928	COLONIAL AVENUE	KUW	First Creek	16	MH 24-20	Soil Saturation		The sewer main was flushed to remove the blockage caused by roots.	1,156	0	1,156	1	No
1/7/2006	2:30 PM	520	CHEROKEE BLVD	KUW	Third Creek	38	Broken Main	Soil Saturation		The sewer main was flushed to remove the blockage caused by debris and pipe material.	449	0	449	1	No
1/10/2006	3:15 PM	2631	EMORILAND BLVD	KUW	First Creek	8	MH 9-39	Soil Saturation		The sewer main was flushed to remove the blockage caused by roots.	92	0	92	1	No
1/16/2006	1:20 PM	1100	BEAVERTON ROAD	FC	Fourth Creek	42	MH 43-26	Ditch to Soil Saturation		The sewer main was flushed to remove the blockage caused by debris.	23	0	23	0.5	No
1/17/2006	10:30 AM	5001	MALONEYVILLE ROAD	EB	NEKUD	109	MH 93-10	Ditch to Soil Saturation		The sewer main was flushed to remove the blockage caused by debris.	408	0	408	1	No
1/17/2006	4:29 PM	4713	OLD BROADWAY	KUW	First Creek	7	MH 2	Soil Saturation		Heavy rainfall in the area resulted in high flows in the collection system.	270	0	270	2	No
1/17/2006	5:17 PM	2505	DEIROSE DRIVE	KUW	Williams Creek	25	MH 12	Williams C reek	Williams C reek	Heavy rainfall in the area resulted in high flows in the collection system.	1,080	0	1,080	2	Yes
1/17/2006	7:45 PM	436	MARYVILLE PIKE	KUW	South Knoxville	39	MH 29-2	Pavement to Unnamed Tributary to Goose Creek	Goose Creek	Heavy rainfall in the area resulted in high flows in the collection system.	3,600	0	3,600	4.75	Yes
1/17/2006	7:21 PM	4132	W MARTIN MILL PIKE	KUW	South Knoxville	39	MH 62-1	Pavement to Unnamed Tributary to Goose Creek	Goose Creek	The sewer main was flushed to remove the blockage caused by grease and influenced by heavy rainfall.	450	0	450	2.5	Yes
1/18/2006	2:10 PM	2910	RENNOC ROAD	KUW	First Creek	4	Cleanout	Soil Saturation		The sewer main was flushed to remove the blockage caused by debris.	61	0	61	1	No
1/18/2006	2:45 PM	1815	WAYLAND ROAD	LC	Loves Creek	67	Cleanout	Soil Saturation		Heavy rainfall in the area resulted in high flows in the collection system.	270	0	270	2	No
1/18/2006	3:39 PM	2601	DAYTON STREET	KUW	Third Creek	22	MH 18-130	Soil Saturation		The sewer main was flushed to remove the blockage caused by grease and roots and was influenced by heavy rainfall.	56	0	56	1	No
1/23/2006	7:40 PM	2828	LOWE ROAD	KUW	First Creek	4	Unnconnected Lateral	Soil Saturation		A contractor failed to reconnect a service lateral during a sewer rehabilitation project.	15,334	0	15,334	9 months	No
1/26/2006	4:03 PM	5811	WOODBURN DRIVE	FC	Fourth Creek	33	MH 10-5	Soil Saturation		The sewer main was flushed to remove the blockage caused by roots.	216	0	216	24	No
1/26/2006	8:17 PM	4404	ROYALVIEW ROAD	KUW	Third Creek	11	MH 11-150	Soil Saturation		The sewer main was flushed to remove the blockage caused by roots and debris.	45	0	45	48	No
1/26/2006	9:02 PM	4713	OLD BROADWAY	KUW	First Creek	7	MH 2	Ditch to Soil Saturation and Unnamed Tributary to First Creek	First Creek	A KUB CIPP contractor turned off a bypass pump before unplugging the sewer main.	14,025	0	14,025	1	Yes
1/31/2006	11:28 AM	4701	CHAPMAN HWY	KUW	South Knoxville	39	MH 85	Ditch to Soil Saturation		The sewer main was flushed to remove the blockage caused by grease.	64	0	64	1	No
1/31/2006	2:00 PM	6304	ROBERTS ROAD	EB	NEKUD	111	Broken LP Force Main	Ditch to Soil Saturation		A third-party ditching contractor ruptured the low-pressure force main.	234	224	10	1	No
2/2/2006	11:45 AM	5544	WASHINGTON PIKE	KUW	First Creek	2	Leaking LP Force Main	Soil Saturation		There was a small leak from a coupling on the low-pressure force main.	650	325	325	48	No
2/6/2006	9:51 AM	1421	N BROADWAY	KUW	First Creek	17	MH 3-25	Pavement to Stormwater Catch Basin to Soil Saturation		The sewer main was flushed to remove the blockage caused by accumulated grease and debris from a broken pipe.	2,880	0	2,880	24	No
2/28/2006	2:00 PM	3300	DIVISION STREET	KUW	Third Creek	29	Abandoned Lateral	Containment and Soil Saturation		The sewer main was flushed to remove the blockage caused by grease and debris.	3,866	500	3,366	1.5	No
2/28/2006	3:00 PM	810	W FOURTH AVENUE	KUW	Second Creek	23	Underground Flow	Containment and Soil Saturation		The sewer main was flushed to remove the blockage caused by accumulated grease and debris from a broken pipe.	1,150	575	575	1	No
3/6/2006	8:45 AM	6504	KINGSTON PIKE	FC	Fourth Creek	33	MHS 1-35 & 1-31	Soil Saturation		The sewer main was flushed to remove the blockage caused by grease.	286	0	286	0.5	No
3/9/2006	1:07 PM	5548	WASHINGTON PIKE	KUW	First Creek	2	Leaking LP Force Main	Soil Saturation		There was a small leak on the low-pressure force main.	265	0	265	0.5	No
3/12/2006	8:35 PM	2907	GINNBROOKE LANE	KUW	Knob Creek	47	Wetwell	Soil Saturation		There was a total loss of electrical service to the station due to squirrels.	180	0	180	1	No
3/20/2006	4:42 PM	1817	ROCKY VIEW WAY	KUW	First Creek	8	MH 7-142	Ditch to Culvert to Unnamed Tributary of First Creek	First Creek	The sewer main was flushed to remove the blockage caused by grease.	10,800	0	10,800	4	Yes
3/21/2006	1:28 PM	6917	SEAVER DRIVE	FC	Fourth Creek	27	MH 22-129	Soil Saturation		The sewer main was flushed to remove the blockage caused by debris.	256	0	256	0.5	No
3/25/2006	4:49 PM	3323	DIVISION STREET	KUW	Third Creek	29	Broken Lateral	Soil Saturation		The sewer main was flushed to remove the blockage caused by debris.	180	0	180	1.5	No

Appendix C

Building Backups

BBUs

1	2	3	4	5	6	7	8	9	10	11	12	13
Date	Time	Street #	Street	Plant	Watershed	Basin	Overflow Location	Cause of SSO/KUB Response	Total Volume (Gallons)	Recovered Volume (Gallons)	Non-Recovered Volume (Gallons)	Duration (Hours)
1/3/2006	2:55 PM	2810	MAYFAIR DRIVE	KUW	South Knoxville	40	BBU	Routine sewer main flushing by a private contractor resulted in building backup at this residence.	1	0	1	0.01
1/4/2006	6:20 PM	4408	TWIN PINES DRIVE	KUW	Third Creek	11	BBU	The sewer main was flushed to remove the blockage caused by roots and debris due to vandalism.	35	30	5	0.75
1/17/2006	7:21 PM	4132	W MARTIN MILL PIKE	KUW	South Knoxville	39	BBU	The sewer main was flushed to remove the blockage caused by grease and influenced by heavy rainfall.	1	0	1	0.05
1/17/2006	6:41 PM	5811	PLEASANT RIDGE ROAD	KUW	Third Creek	9	BBU	The sewer main was flushed to remove the blockage caused by grease and influenced by heavy rainfall.	18017	18017	0	3
2/13/2006	1:00 PM	501	FERN STREET	LC	Loves Creek	20	BBU	The sewer main was flushed to remove the blockage caused by roots.	105	0	105	8
2/22/2006	6:19 PM	328	E MORELIA AVENUE	KUW	Second Creek	15	BBU	The sewer main was flushed to remove the blockage caused by roots.	500	0	500	3
3/7/2006	11:00 AM	6504	KINGSTON PIKE	FC	Fourth Creek	33	BBU	The sewer main was flushed to remove the blockage caused by grease.	3	0	3	0.08
3/12/2006	4:30 PM	1610	MC CROSKEY AVENUE	KUW	First Creek	17	BBU	Routine sewer main flushing by a private contractor resulted in a building backup at this residence.	1	0	1	0.02
3/26/2006	12:30 PM	317	E QUINCY AVENUE	KUW	Second Creek	15	BBU	The sewer main was flushed to remove the blockage caused by grease and debris.	60	60	0	1
3/31/2006	12:59 PM	2701	SUTHERLAND AVENUE	KUW	Third Creek	29	BBU	The sewer main was flushed to remove the blockage caused by debris.	61	60	1	1

Appendix D

Water Quality Monitoring Program Sampling Results



Creek Monitoring Report

Report Date: 4/25/2006

Knoxville Utilities Board
Water Quality Laboratory
Debbie Ailey, Lab Supervisor
835 East Jackson Avenue
Knoxville, Tennessee 37915
(865) 594-8286 Fax: (865) 594-8245

Creek Mile #	Sample Date	Sample Time	pH	Sample Temp (C)	Dissolved Oxygen (mg/l)	Fecal Coliform (CFU/100 ml)	E-Coli (MPN)	Precipitation Event	Status*
First Creek									
0.45	01/31/2006	09:05	7.8	9	9.3	73	330	Wet	R
2.57	01/31/2006	08:51	8.1	9	11.0	54	350	Wet	R
6.33	01/31/2006	08:39	8.7	10	7.5	55	170	Wet	R
0.45	02/27/2006	08:45	8.3	10	11.9	82	290	Dry	R
2.57	02/27/2006	08:38	8.4	10	12.0	91	230	Dry	R
6.33	02/27/2006	08:22	8.1	14	9.8	82	270	Dry	R
0.45	03/28/2006	09:45	7.7	12	14.3	40	130	Dry	R
2.57	03/28/2006	09:30	8.5	12	11.2	110	120	Dry	R
6.33	03/28/2006	09:15	7.9	15	12.1	70	170	Dry	R
Second Creek									
0.30	01/13/2006	08:45	8.1	12	8.1	170	290	Wet	I
1.54	01/13/2006	09:10	7.8	12	8.2	130	190	Wet	R
5.76S	01/13/2006	09:29	7.3	10	6.7	<10	47	Wet	R
0.30	02/14/2006	08:45	7.8	13	13.9	3700	> 2400	Wet	I
1.54	02/14/2006	08:58	7.6	10	13.7	91	140	Wet	R
5.76	02/14/2006	09:15	7.3	15	12.0	160	490	Wet	R
0.30	03/20/2006	11:05	7.5	12	11.5	3800	1600	Wet	I
1.54	03/20/2006	10:50	7.5	14	12.9	900	2400	Wet	R
5.76S	03/20/2006	10:35	7.0	14	9.8	160	210	Wet	R

*Status: I = Site Under Investigation, R = Reportable for monitoring purposes
Precipitation event = "Wet" if the total amount of rainfall for four days prior to the sample was greater than 0.1 inches.

0001850



Creek Monitoring Report

Report Date: 4/25/2006

Knoxville Utilities Board
Water Quality Laboratory
Debbie Ailey, Lab Supervisor
835 East Jackson Avenue
Knoxville, Tennessee 37915
(865) 594-8286 Fax: (865) 594-8245

Creek Mile #	Sample Date	Sample Time	pH	Sample Temp (C)	Dissolved Oxygen (mg/l)	Fecal Coliform (CFU/100 ml)	E-Coli (MPN)	Precipitation Event	Status*
Third Creek									
0.87	01/30/2006	09:30	7.8	10	9.6	300	400	Wet	R
2.08E	01/30/2006	09:22	7.7	9	9.3	30	38	Wet	R
4.80W	01/30/2006	09:03	7.8	10	9.0	54	110	Wet	R
0.87	02/07/2006	09:02	8.8	11	10.0	190	580	Wet	R
2.08E	02/07/2006	08:58	7.4	10	12.1	10	33	Wet	R
4.80W	02/07/2006	08:44	7.2	15	10.0	10	31	Wet	R
0.87	03/07/2006	11:10	8.6	13	9.8	200	270	Wet	R
2.08E	03/07/2006	10:48	10.4	12	9.5	140	290	Wet	R
4.80W	03/07/2006	10:39	9.2	15	7.5	54	39	Wet	R
Fourth Creek									
0.55	01/30/2006	08:25	7.6	11	7.8	140	230	Wet	R
1.33	01/30/2006	08:51	7.7	10	9.8	1000	1700	Wet	I
1.78	01/30/2006	08:38	7.8	12	10.0	540	370	Wet	R
0.55	02/03/2006	09:17	7.7	17	8.1	10	920	Wet	R
1.33	02/03/2006	09:27	7.6	14	8.7	60	1100	Wet	I
1.78	02/03/2006	09:37	8.1	14	10.4	63	1600	Wet	R
0.55	03/22/2006	10:00	8.9	12	14.0	72	330	Wet	R
1.33	03/22/2006	10:15	7.7	11	11.3	150	370	Wet	I
1.78	03/22/2006	10:25	8.3	11	10.9	150	390	Wet	R

0001851

*Status: I = Site Under Investigation, R = Reportable for monitoring purposes
Precipitation event = "Wet" if the total amount of rainfall for four days prior to the sample was greater than 0.1 inches.



Creek Monitoring Report

Report Date: 4/25/2006

Knoxville Utilities Board
Water Quality Laboratory
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Knoxville, Tennessee 37915
(865) 594-8286 Fax: (865) 594-8245

Creek Mile #	Sample Date	Sample Time	pH	Sample Temp (C)	Dissolved Oxygen (mg/l)	Fecal Coliform (CFU/100 ml)	E-Coli (MPN)	Precipitation Event	Status*
Goose Creek									
0.35	01/26/2006	07:25	7.9	12	7.8	60	200	Wet	R
0.90E	01/26/2006	07:31	8.1	8	9.8	27	340	Wet	R
1.50E	01/26/2006	07:54	7.9	10	10.3	170	920	Wet	R
0.35	02/21/2006	13:04	7.7	16	10.7	91	300	Wet	R
0.90E	02/21/2006	13:11	8.2	12	10.2	120	200	Wet	R
1.50E	02/21/2006	13:20	7.8	14	9.8	300	1100	Wet	R
0.35	03/16/2006	10:00	8.8	15	8.5	320	980	Wet	R
0.90E	03/16/2006	09:50	8.6	16	11.1	380	690	Wet	R
1.50E	03/16/2006	09:40	8.6	17	8.5	900	650	Wet	R
Baker Creek									
0.15	01/26/2006	08:14	7.8	9	9.4	110	390	Wet	R
0.32	01/26/2006	08:44	7.7	6	10.8	450	2000	Wet	R
0.36	01/26/2006	08:37	7.8	6	11	99	550	Wet	R
0.15	02/24/2006	13:47	7.8	15	9.9	250	1100	Wet	R
0.32	02/24/2006	13:39	7.7	16	10.4	220	730	Wet	R
0.36	02/24/2006	13:42	7.8	15	9.1	380	1600	Wet	R
0.15	03/10/2006	09:55	7.2	18	5.8	2900	>2400	Wet	R
0.32	03/10/2006	10:05	7.8	17	7.4	1400	160	Wet	R
0.36S	03/10/2006	10:15	7.5	18	8.5	2100	920	Wet	R

*Status: I = Site Under Investigation, R = Reportable for monitoring purposes
Precipitation event = "Wet" if the total amount of rainfall for four days prior to the sample was greater than 0.1 inches.

0001852



Creek Monitoring Report

Report Date: 4/25/2006

Knoxville Utilities Board
Water Quality Laboratory
Debbie Ailey, Lab Supervisor
835 East Jackson Avenue
Knoxville, Tennessee 37915
(865) 594-8286 Fax: (865) 594-8245

Creek Mile #	Sample Date	Sample Time	pH	Sample Temp (C)	Dissolved Oxygen (mg/l)	Fecal Coliform (CFU/100 ml)	E-Coli (MPN)	Precipitation Event	Status*
<u>Loves Creek</u>									
0.85	01/10/2006	08:45	7.7	13	8.4	65	79	Dry	R
1.89	01/10/2006	08:27	7.1	14	7.5	36	52	Dry	R
3.45	01/10/2006	08:10	7.3	15	8.0	40	28	Dry	R
0.85	02/28/2006	10:17	7.5	14	13.1	70	160	Dry	R
1.89	02/28/2006	10:03	8.0	14	11.5	70	33	Dry	R
3.45	02/28/2006	09:53	8.8	14	13.2	18	20	Dry	R
0.85	03/17/2006	10:10	8.3	18	11.4	240	360	Dry	R
1.89	03/17/2006	09:55	7.2	17	11.0	64	170	Dry	R
3.45	03/17/2006	09:35	8.4	15	12.3	80	86	Dry	R
<u>Williams Creek</u>									
0.53	01/12/2006	08:15	8.7	10	11.1	110	190	Wet	R
1.12	01/12/2006	08:56	8.1	8	11.5	110	180	Wet	R
1.67	01/12/2006	08:37	8.8	12	8.2	300	1700	Wet	I
0.53	02/28/2006	10:58	9.9	17	11.9	270	310	Dry	R
1.12	02/28/2006	10:40	8.4	18	11.3	180	160	Dry	R
1.67	02/28/2006	10:32	8.2	16	12.1	900	2000	Dry	I
0.53	03/27/2006	11:05	7.7	12	13.0	30	300	Wet	R
1.12	03/27/2006	10:50	7.3	15	12.0	1200	2400	Wet	R
1.67	03/27/2006	10:35	7.6	13	15.0	30	83	Wet	I

*Status: I = Site Under Investigation, R = Reportable for monitoring purposes
Precipitation event = "Wet" if the total amount of rainfall for four days prior to the sample was greater than 0.1 inches.

0001853

Spill Impact Sampling Results Water Quality Monitoring Program

Event Date:

1-26-06

Address:

4713 Old Broadway

Description:

SSO discharged to unnamed tributary that flows into First Creek, caused by contractor turning off by-pass pump before unplugging the sewer main.

Estimated unrecovered volume

14,025 gallons

Sampling Notes:

There was no industry upstream of the SSO, therefore no Priority Pollutant samples were collected.

Precipitation:

1-25-06: 0.00 inches rain

1-26-06: 0.00 inches rain

1-27-06: 0.00 inches rain

Sample Location	Sample Date	Sample Time	Dissolved Oxygen (mg/l)	Temperature (Celsius)	pH	Fecal Coliform (CFU/100ml)	E-Coli (MPN)
20 feet upstream of SSO discharge	1-27-06	13:35	7.5	13.3	8.8	95	390
30 feet downstream of SSO discharge	1-27-06	13:40	9.1	8.8	8.8	1200	1700
20 feet upstream of SSO discharge	2-02-06	13:39	8.5	8.0	8.5	10	120
30 feet downstream of SSO discharge	2-02-06	13:45	9.7	8.8	8.4	10	200

0001854

Spill Impact Sampling Results Water Quality Monitoring Program

Event Date:

Address:

Description:

Estimated unrecovered volume

Sampling Notes:

Precipitation:

3-20-06

1817 Rocky View Lane

SSO discharged to culvert, to drainage way, to unnamed tributary that flows into First Creek, caused by a blockage due to grease.

10,800 gallons

There was no industry upstream of the SSO, therefore no Priority Pollutant samples were collected.

3-19-06: 0.00 inches rain

3-20-06: 0.64 inches rain

3-21-06: 0.23 inches rain

Sample Location	Sample Date	Sample Time	Dissolved Oxygen (mg/l)	Temperature (Celsius)	pH	Fecal Coliform (CFU/100ml)	E-Coli (MPN)
upstream of SSO discharge	3-21-06	10:20	11.0	10.3	7.5	490	820
downstream of SSO discharge	3-21-06	10:05	12.7	9.5	7.8	1900	2400
upstream of SSO discharge	3-23-06	10:40	10.8	9.4	8.6	60	98
downstream of SSO discharge	3-23-06	10:30	11.3	9.3	9.4	220	580

0001855

Investigative Monitoring Results for Williams Creek Initial Stream Assessment

Collection Date	Collection Time	Sample Location	Dissolved Oxygen (mg/L) Field	pH Field	Silt Level Field Observation	Temperature (degrees C) Field	Fecal Coliform (CFU/100mL)
3/29/2006	7:41	WC 0.15	9.8	7.8	0	11	< 10
3/29/2006	8:08	WC 0.19 T	10	7.5	0	10	170
3/29/2006	8:22	WC 0.191 T	12	7.4	0	10	< 10
3/29/2006	8:30	WC 0.193	*	*	0	*	< 10
3/29/2006	8:45	WC 0.23	*	*	0	*	< 10
3/29/2006	8:52	WC 0.231	*	*	*	*	< 10
3/29/2006	9:08	WC 0.37 T	9.4	7.3	0	12	< 10
3/29/2006	9:25	WC 0.3	13.7	7.3	0	11	110
3/29/2006	9:53	WC 0.52	10.6	7.6	0	11	170
3/29/2006	9:56	WC 0.57	*	*	0	*	< 10
3/29/2006	10:35	WC 0.79 T	10.1	7.3	0	13	< 10
3/29/2006	10:40	WC 0.79	12.7	7.6	*	13	40
3/29/2006	10:50	WC 0.791	12.3	4.6	0	13	45
3/29/2006	11:18	WC 0.84	*	7.8	*	14.8	30
3/29/2006	11:26	WC 0.88 T	9.3	6.7	0	16	150
3/29/2006	11:33	WC 0.89	12.6	7.6	0	15	20
3/29/2006	11:48	WC 0.92 T	7.5	6.7	0	16	440
3/29/2006	11:58	WC 0.94	13.7	7.8	0	16	20
3/29/2006	12:11	WC 0.941T	7.6	6.8	0	16	< 10
3/29/2006	12:22	WC 0.95	11.7	7.9	0	16	18
3/29/2006	12:40	WC 1.0	12.9	7.9	0	17	10
3/29/2006	12:50	WC 1.09	13.7	8	0	17	< 10
3/30/2006	8:08	WC 1.3	12.7	7.5	0	12	1400
3/30/2006	8:22	WC 1.33	11.5	7.6	0	12	900
3/30/2006	8:50	WC 1.47T	*	*	0	*	< 10
3/30/2006	9:03	WC 1.58	9.8	7.6	0	12	1300
3/30/2006	9:23	WC 1.66	9.2	7.4	0	13	3300
3/30/2006	9:33	WC 1.67T	12	7.5	0	12	20
3/30/2006	9:58	WC 1.68	9	7.4	0	14	820
3/30/2006	10:10	WC 1.72	9.8	7.3	0	15	1900
3/30/2006	10:38	WC 1.79T	7.7	7.4	0	16	40
3/30/2006	10:51	WC 1.80	11.8	7.5	0	15	730
3/30/2006	11:04	WC 1.81T	6.2	6.8	0	17	820
3/30/2006	11:10	WC 1.83	14.2	7.9	0	16	700
3/30/2006	11:20	WC 1.87	12.4	7.8	0	16	300
3/30/2006	11:29	WC 1.91	10.6	7.8	0	16	490
3/30/2006	11:44	WC 1.96	10.4	7.8	0	17	470
3/30/2006	11:55	WC 2.0	10.4	7.6	0	17	80
3/30/2006	12:12	WC 2.04T	9.8	7.5	0	17	110
3/30/2006	12:27	WC 2.1	11	7.7	0	18	55
3/30/2006	12:41	WC 2.2	11.5	7.4	0	19	130
3/30/2006	12:58	WC 2.3	12.9	7.6	0	20	73
3/30/2006	13:27	WC 2.09T	9.3	7.6	0	17	110

* Due to field conditions, these measurements were unable to be taken at that specific sampling point

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