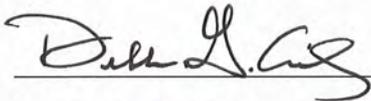


Annual MOM Progress Report

2012

Submitted to EPA on February 28, 2013

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



Debbie G. Ailey

2/28/13

Date



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Section 1: Introduction

KUB's Management, Operations, and Maintenance (MOM) programs continue to make significant improvements in the wastewater collection system resulting in both reduced overflow frequencies and volumes since 2003. The significant improvements in our MOM programs include increased asset inspections, more frequent gravity main cleaning, increased system storage for better wet-weather overflow control, and rehabilitation of the approximately 1,300 miles of collection system pipes.

Sanitary Sewer Overflows

KUB's continued focus on MOM programs and system rehabilitation has produced significant reductions from the number of sanitary sewer overflows (SSOs) that occurred before KUB implemented its PACE 10 Program in 2004. [PACE 10 is KUB's accelerated 10-year, \$530 million wastewater improvement program to aggressively attack the problem of sewer overflows. "PACE" stands for "Partners Acting for a Cleaner Environment."] Figure 1 illustrates the SSO event history for KUB and shows significant rain events are having less of an impact on our wastewater system, although rainfall totals and frequency still influence the occurrence of wet-weather SSOs.

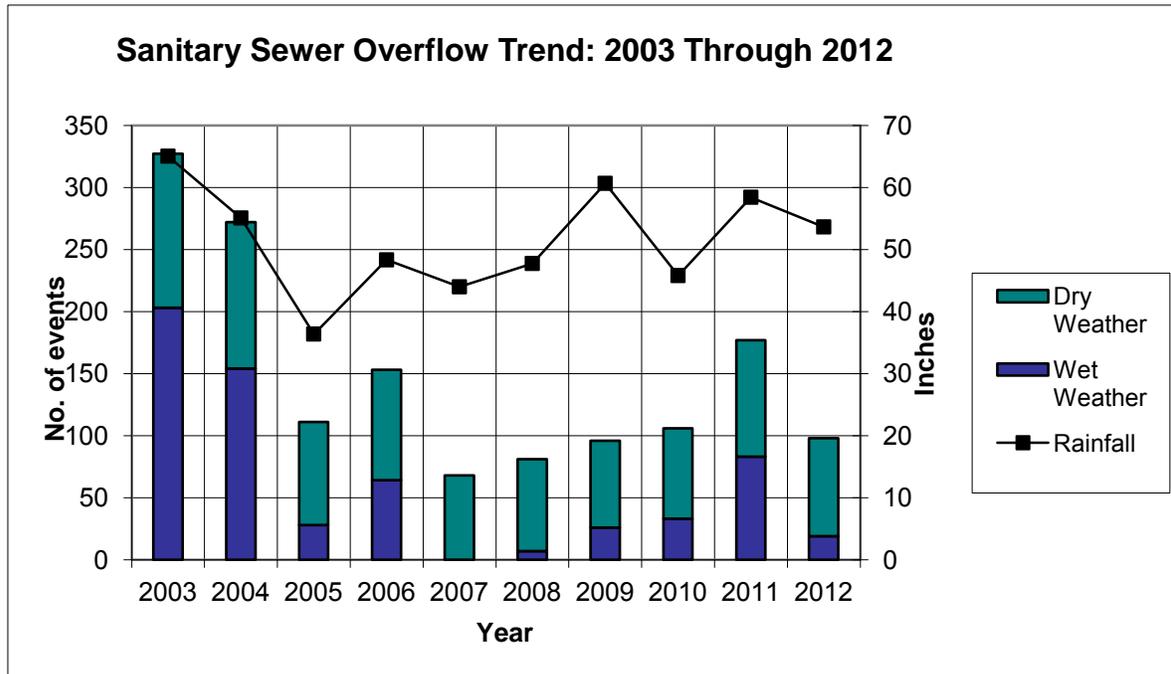


Figure 1. Sanitary Sewer Overflow Trend: 2003 Through 2012

Note: KUB's highest SSO numbers were in 2003, when rainfall reached a record high. As KUB completed early PACE 10 projects, SSOs began to trend down. (The 2006 and 2011 spikes were due to single extraordinary rainfall events.) Rainfall in 2009 and 2011 approached the 2003 high, and although SSOs went up, they were still lower than in a similar rainfall year before PACE 10.

KUB experienced 19 wet-weather overflows in 2012 versus over 200 in 2003. The increasing trend in wet-weather overflows from 2008 to 2011 seen in Figure 1 can be attributed to the influence of total rainfall received during those years, which was higher than the three years prior to this period. Continuous wet weather creates saturated ground conditions, which is also known as high antecedent moisture conditions. Extended rainfall results in more infiltration when excess stormwater causes flooding. Higher flows in the collection system from inflow in areas that have not undergone rehabilitation make the system more susceptible to overflows during heavy rain events.

Improvements already made in KUB’s collection system have lessened the effects of rainfall and antecedent moisture. It is notable that above average rainfall and high antecedent soil moisture conditions in 2012 produced smaller numbers of overflows and much smaller secondary diversion volumes when compared to rain events prior to PACE 10 implementation in 2004 and those in 2011. Approximately 70 percent of the 19 wet-weather overflows in 2012 occurred during two months of the year when saturated ground conditions increased the possibility for inflow.

According to the National Weather Service (NWS), the Knoxville area received 5.67 inches of rain in January 2012. This occurred after receiving almost 12 inches of rain in the previous two months. With the ground already saturated, the rainfall in January produced six wet-weather overflows as shown in Figure 2.

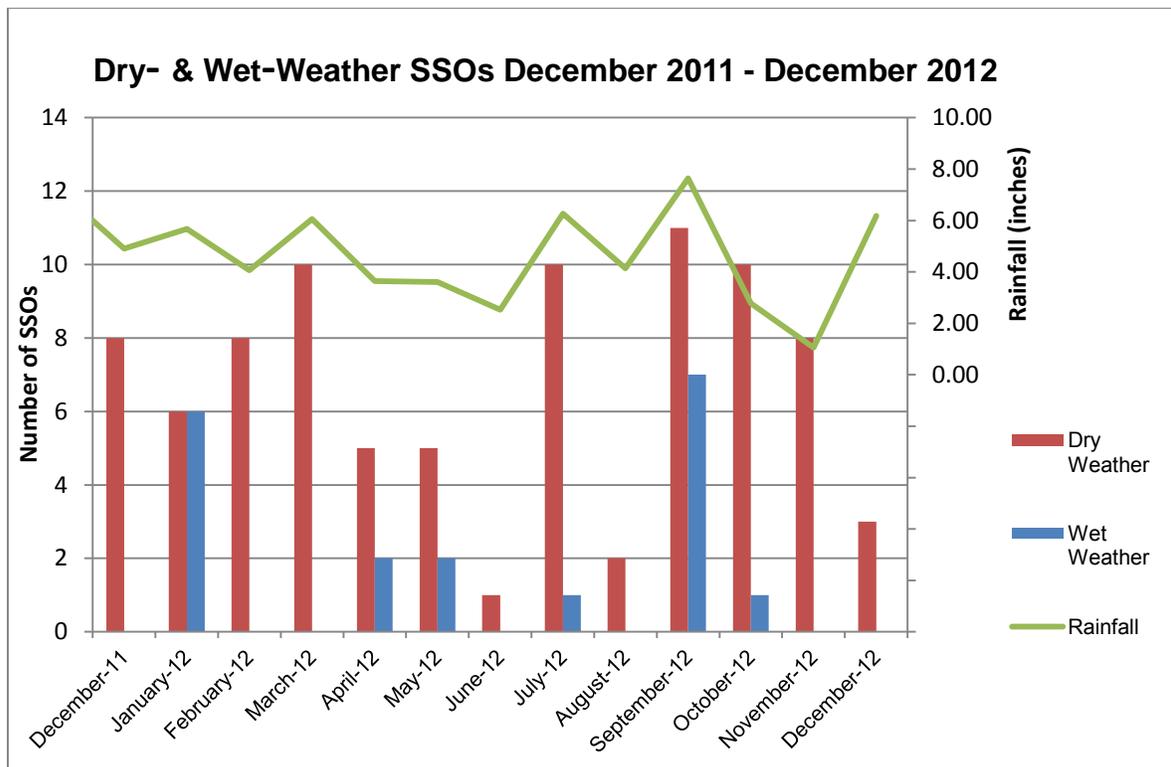


Figure 2. Dry- & Wet-Weather SSOs December 2011–December 2012

Then on September 17, 2012, the Knoxville area experienced a significant 24-hour rainfall event that caused substantial flooding. Rain gauges maintained by KUB located within KUB’s service area recorded rain totals ranging from 4.9 to 6.2 inches in a 24-hour period. The rainfall data from the gauges indicated an average of 5.6 inches for the overall area.

The majority of our service area received almost six inches of rain that began in the morning on September 17, 2012, and extended through the next 24 hours. These gauges also revealed that the heaviest rainfall fell in the last few hours of the storm after the ground and streams had already received over three inches of rain. During this time, rain intensities reached 1.4 inches per hour in some locations early in the morning on September 18, 2012 (See Figure 3). Historical data from the NWS shows this event to be a 50-year storm. This estimate is based on the application of historical intensity, duration, and frequency data.

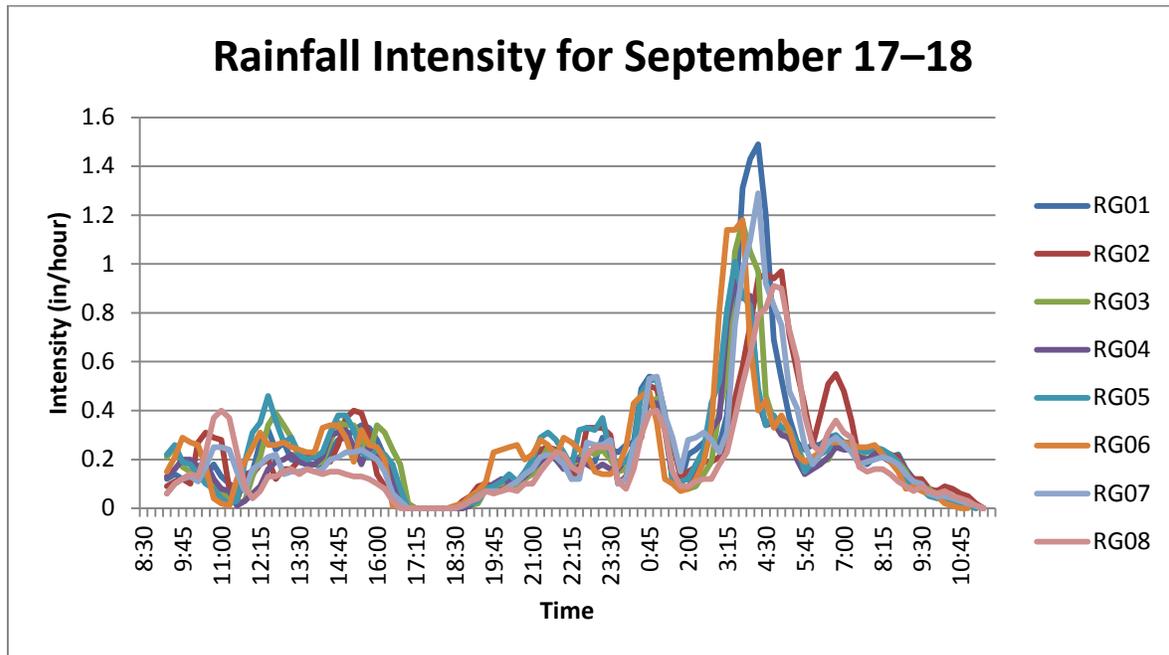


Figure 3: Rain Event September 17–18, 2012; Rain Gauge (RG) Data for Rainfall Intensity

Widespread flooding occurred in many locations and many portions of our wastewater collection system were under water for a period of time. This resulted in significant amounts of inflow and infiltration into the KUB wastewater system. All six of KUB’s wastewater storage tanks designed to hold 34 million gallons were used to manage the resulting flow in the collection system, and these tanks retained approximately 32 million gallons of rainwater to prevent sewer overflows throughout the 24–hour period. KUB requested the September 17–18, 2012, storm event be recognized as a Force Majeure event in a letter to the EPA on October 5, 2012. This period of heavy rain produced seven out of the 19 wet weather overflows, as shown in Figure 2.

Those rainfall events produced fewer wet-weather SSOs and reduced secondary diversion volumes, thanks to improved process controls during wet weather and completed improvement projects, including construction of additional wet-weather wastewater storage tanks and approximately 216 miles of sewer mains replaced or rehabilitated after system assessments. When comparing the September 2012 rain event to the December 2004 event, the secondary diversion volume decreased by almost 72 percent and by almost 22 percent compared the February 2011 event. The decrease in volume from 2011 to 2012 can be attributed to the substantial completion and beneficial use of the Lower Third Creek and Second Creek Wastewater Storage facilities in June 2011. These tanks added 12

million gallons of peak-flow storage for the Kuwahee Wastewater Treatment Plant (WWTP) to further reduce wet-weather SSOs, reduce diversions, and provide improved operational flexibility during heavy rainfall.

Table 1. Wet-Weather Event Comparisons

Event Period	Amount of Rainfall (inches)					Wet-Weather SSOs	Secondary Diversion Volume (MG)
	1 Day	3 Day	5 Day	30 Day	60 Day		
Dec 6–10, 2004	2.07	2.58	4.4	9.87	15.53	45	105.14
Nov 29–Dec 5, 2010	2.35	2.97	3.52	5.91	10.94	9	35.45
Dec 31–Jan 1, 2011	2.4	2.52	2.52	4.16	10.9	4	12.62
Feb 24–Feb 28, 2011	3	3.39	4.9	5.87	9.29	32	38.21
April 14–April 16, 2011	1.49	2.86	2.86	9.08	15.46	17	17.11
April 25–April 27, 2011	2.61	2.95	3.23	9.08	15.46	7	10.22
Sept 17–Sept 18, 2012	3.08	6.1	6.1	7.64	11.78	7	29.87

KUB's wastewater storage facilities at Lower First Creek, Upper First Creek, Second Creek, Lower Third Creek, Upper Third Creek, and Walker Springs operated a combined total of 74 times in 2012, containing a total of 92 million gallons of wastewater. The tanks help KUB to prevent spikes in flow that exceed the hydraulic capacity of the collection and treatment systems and meet requirements to address sewer overflows and protect our environment.

KUB experienced 79 dry-weather overflows in 2012 and is maintaining focus on its MOM programs and system rehabilitation to reduce them. Blockages were a leading cause of dry-weather overflows in 2012, accounting for 34 of the 79 overflows that occurred. Heavy rainfall also affects dry-weather overflows, in that it causes prolonged high flow levels in pipes, which encourages increased root growth into our system. Also, high flow levels scour solid materials from the gravity mains, leading to an increased risk of blockage related overflows due to increased solids movement.

KUB continues to focus on reducing blockage-related overflows especially through the efforts of the Blockage Abatement (BA) and Grease Control programs. Debris and roots continue to be the leading causes, or major contributing factors, in blockage-related overflows. In addition to the 153 miles of BA footage, KUB and PACE 10 contractors cleaned and televised nearly 49 miles of gravity sewers in 2012. Under PACE 10, KUB repaired or replaced 978 manholes and approximately 26 miles of wastewater mains in the KUB system last year. Manhole Condition Assessment efforts increased by 4 percent, Private Lateral Condition Assessment efforts increased by 5 percent, and the Gravity Sewer Assessment efforts increased by 3 percent.

KUB continues an aggressive communication campaign to customers concerning grease. In 2012, KUB mailed grease letters to 382 customers near seven grease-related overflows. KUB also continued to proactively implement a grease equipment certification program that requires assessments of traps and interceptors used by food service facilities to ensure they are in good working condition. This effort helps ensure proper maintenance so that traps are effective at capturing all grease from the discharge.

MOM Programs

Grease Control Program

KUB maintains aggressive efforts to prevent grease discharges to the collection system from food service facilities (FSFs). Forty-six FSFs installed new equipment or upgraded their external grease interceptors in 2012. Those efforts and investments by our customers continue to help prevent grease buildup in our system. KUB completed 1,304 inspections of 992 FSFs to determine their potential grease risk prior to issuing permits.

KUB also continues to educate residential customers to prevent grease-related overflows. In areas where residential grease may be entering the system, KUB conducts additional televised inspections. The inspections help better identify the need for increased cleaning and public awareness efforts, such as the Can the Grease (CTG) initiative. KUB placed additional emphasis on distributing educational information on proper grease disposal this past year. Program personnel participated in customer education events hosted by community organizations and promoted CTG in various customer communications and the KUB website. Customers receive educational materials explaining the proper means of grease disposal. The CTG cans are still given away during limited special events, such as homeowner meetings, tenant meetings at apartment complexes, and promotional events. In 2012, KUB also distributed grease spatulas with the Can the Grease logo to customers near grease-related overflows as a new promotional and educational effort.

Gravity Sewer Preventive Maintenance

Another effort that continues to reduce dry-weather SSOs is our Blockage Abatement (BA) Program, a routine cleaning and inspection program to remove grease, roots, and debris from sewer mains.

The BA Program uses increased frequency of cleaning to prevent overflows in areas with previous problems until KUB schedules projects for more permanent repairs. The footage of mains on BA fluctuates each year as KUB completes scheduled repairs or identifies new areas where more cleaning is needed pending future projects or information obtained during system assessment activities.

In 2012, BA crews cleaned 806,270 feet (ft) (153 miles) and televised 347,041 ft (66 miles) of gravity sewers in our system.

Continuing Sewer System Assessment Program (CSSAP)

In addition to the BA footage, KUB crews and PACE 10 contractors proactively cleaned and televised 258,142 ft (49 miles) of sewers in 2012. Under PACE 10, contractors also smoke-tested 701,795 ft (133 miles) of sewers and inspected 1,816 manholes in 2012. KUB used this data and additional information from its other MOM program efforts to assess the condition of the assets for additional maintenance and/or system rehabilitation efforts. This assessment information is collected as part of the Continuing Sewer System Assessment Program (CSSAP) and is used to feed the Infrastructure Rehabilitation Program (IRP) decision-making process. We refer to this as our basin characterization process. As all the data is collected for a sub-basin or mini-basin, a design engineer and a basin engineer evaluate it. Mains are then recommended for rehabilitation, replacement, or continued maintenance and inspection based on design criteria and engineering judgment.

Through the collection of multiple sources of data, such as as-built drawings, field inspections, and asset management information, KUB created a database to help manage the continual evaluation of each sewer pump station and the connected force mains. The database tracks general information about each pump station and actual operational data, such as flow rate and other information from the Supervisory Control and Data Acquisition system (SCADA).

KUB uses the database as the primary tool to assess station condition and ensure that the pump stations are a reliable means of transporting sewage during dry- and wet-weather conditions.

Infrastructure Rehabilitation Program (IRP)

In 2012, KUB spent \$42.5 million in rehabilitation and replacement projects, including the completion of five pump stations, approximately 26 miles of pipe in the collection system, and 978 manholes rehabilitated or replaced. KUB completed 33 projects in 2012 and started 12 additional projects that are currently in construction.

Private Lateral Program (PLP)

KUB also inspects customer-owned private laterals, notifies customers of defective laterals or prohibited connections discovered, and enforces repairs or replacements as required by our PLP. KUB tracks information about the PLP in a Lotus Notes information management system (IMS) called the Private Lateral Tracker. A total of 134 laterals were repaired or replaced in 2012 under the PLP.

As part of the requirements of the Consent Decree, KUB operated a Supplemental Environmental Project* (SEP), which offered financial assistance to low-income homeowners who had defective sewer laterals or prohibited connections. KUB was required by the Consent Decree to set aside \$2 million in grant funds to operate the SEP*, which was completed on May 31, 2012, nine months ahead of schedule. The SEP* awarded 981 grants totaling over \$2,063,000.

KUB's PLP continues to enforce on homeowners where defective private sewer laterals or prohibited connections are identified. KUB established a Residential Assistance Program Grant in 2012. This grant is KUB funded and continues to offer financial assistance to low-income residential homeowners in the PLP.

Summary

KUB continues to complete numerous improvement projects and maintain the ongoing MOM programs to further reduce wet-and dry-weather overflows. This progress report shows how KUB will continue to use and refine its MOM programs in the future to better maintain our system, serve our customers, and protect our environment. The following sections provide more specific information on the MOM activities over the course of this past year that have been highlighted in this introduction.

KUB continues to implement, manage, and refine the Other MOM Programs listed in the Consent Decree Appendix A. Where applicable, any of those programs with changes or significant accomplishments are summarized in Section 7.

**This project was undertaken in conjunction with the settlement of a civil enforcement action taken by the United States for violations of the Clean Water Act.*

Section 2: Grease Control Program

KUB's Grease Control Program consists of three primary elements:

- Routine inspection of food service facilities (FSFs)
 - Existing FSFs
 - New/remodeled FSFs
- Grease-related SSO Response
- Residential Grease Control Program.

This MOM Progress Report section and the summary tables included in Appendix A provide an overview of the program's activities in 2012. There were only seven grease related SSOs in 2012 as a result of the continued focus on Grease Control Program activities. The summary tables provide more detailed information pertaining to grease-related SSOs, interceptor requirements for FSFs, the number and results of inspections, enforcement actions, and other program activities. All FSFs in the KUB service area are on a scheduled rotation for inspection depending on their potential to discharge grease to the collection system and their compliance record.

Inspections of Food Service Facilities (FSFs)

KUB conducted 1,304 total inspections of FSFs in 2012. That included 59 initial inspections, 856 routine inspections, 149 follow-up inspections, and 240 trap certification inspections. KUB required 46 of the FSFs to upgrade existing equipment or to install new equipment to help prevent grease-related overflows in their areas.

The 1,304 inspections performed in 2012 resulted in 46 Notices of Noncompliance and four Notices of Violation. There were no Notices of Significant Noncompliance issued in 2012. Over 95 percent of the FSFs inspected were in compliance with the Grease Control Program requirements. Of the 46 enforcement actions, four resulted in new installations or upgrades to existing grease control equipment.

Several FSFs also proactively upgraded equipment during building renovations or expansions. Some facilities recognized their grease control equipment needed repair or replacement. Monterrey Mexican increased its interceptor size to 1,500 gallons from 1,000 gallons, and Hampton Inn & Suites installed a 1,000 gallon interceptor in place of its 50 pound internal trap. Sam's Club on Walbrook also proactively installed two 1,500 gallon interceptors to adequately control grease from its facility.

Grease Program Permitting Phase for 2012

The program requires all active and inactive FSFs to be inspected and to obtain a Grease Control Permit every two years if they prepare food. There are currently 793 permitted FSFs in KUB's service area and 324 FSFs that are inactive and require at least a biennial inspection to verify that food preparation has not resumed at that location. In 2012 a total of 42 new FSFs were identified and permitted by the program.

FSFs are inspected to determine their risk rating, based on the potential to discharge grease to the collection system. Each facility is rated based on its size, food preparation practices, the maintenance of its grease control equipment, and its record-keeping practices. If an FSF's equipment is undersized or poorly maintained or if the FSF has potentially contributed to grease related SSOs, the risk rating will be high or unacceptable. If the facility is rated as unacceptable, it will be required to upgrade its

grease-control equipment or increase pumping frequency. Otherwise, it will be subject to enforcement action.

KUB implemented an element to its Grease program in late 2011 which requires FSFs to have their grease control equipment inspected and certified to be in good working condition. Equipment that has been in place for several years can develop cracks or need repair from damage over time, especially if it is undersized. FSFs that were in operation prior to the implementation of KUB's program have equipment that was sized according to plumbing code requirements at that time. Trap certifications can also identify equipment that cannot retain grease adequately due to insufficient size.

In most cases, the certifications are completed by plumbers or waste haulers who attended and passed a Grease Control Equipment Certification course. KUB has agreed to conduct the certifications of small internal traps during regular inspections at FSFs who don't currently contract with a hauler in an effort to reduce costs for small businesses.

By working together with the haulers, KUB can better ensure all components of the grease control equipment are installed and functioning properly. If any defects or deficiencies are found during the inspection, FSFs must submit information to KUB detailing the issues that were found, including a corrective action plan. Haulers wanting to conduct the certifications were asked to sign an Approved Waste Hauler Agreement with KUB to follow the requirements of certification and provide proof of proper grease disposal. In return, those haulers are recognized as a KUB Approved Grease Waste Hauler and are included on the list of Approved Grease Waste Haulers sent to FSFs. The requirements of the agreement are as follows:

- Hauler will pump all contents completely
- Hauler will provide a manifest or record of cleaning to FSF
- Hauler will provide written documentation to FSF of any defects or problems found during the certification
- Hauler will provide a monthly report to KUB detailing all FSFs that were serviced and the disposal location
- Hauler agrees to allow KUB, with seven days notice, to conduct an audit of pumping records and final disposal location records
- Hauler will retain all grease pumping records for at least three years.

As of the end of 2012, certification forms were received from 261 facilities and resulted in the discovery of 53 issues with installation or structural failure of the equipment.

Grease-Related SSO Response and Residential Can the Grease Program

The majority of grease-related overflows in the KUB system occur in residential areas. When such an overflow occurs, KUB initiates a grease investigation that includes making field inspections and sending information to residential customers.

Based on the location of the SSO, KUB uses the electronic mapping tool Geographic Information System (GIS) to place a graphic polygon around the geographic area upstream of the SSO location. That helps identify all wastewater customers that may be contributing grease to the SSO location. KUB then generates a report containing customers' names and account information.

KUB inspects commercial customers to verify their compliance with KUB's Grease Control Program requirements. KUB mails residential customers a letter, an educational brochure, and other promotional materials on collecting their grease instead of disposing of it down the drain.

In 2012, KUB mailed grease letters to 382 customers near seven grease-related overflows. KUB sent educational brochures, CTG spatulas, and grease can liners to residential customers. [Note: KUB does not send educational materials to commercial customers, which must have grease traps or interceptors. All commercial customers near grease related SSOs are inspected to ensure compliance with the program.]

KUB
Let's conserve together.
www.kub.org
(865) 524-2911

**Can the Grease:
Protect Your Plumbing
and the Environment**

Fat, oil, and grease are the main causes of sewer backups in homes and the leading cause of dry weather sewer overflows, which are a potential threat to the environment.

**Never Pour Cooking Grease
Down Drains**

Scrape grease and food scraps from all cookware and dishes into a can or the trash for disposal. This simple step can save costly and messy sewage backups in your home and also protect KUB's sewer lines and the environment.

CAN THE GREASE
Protect your plumbing - and the environment.

For more information, visit www.kub.org and click on "Can the Grease" in the Hot Topics Index.

KUB also emphasized communication to residential customers in 2012 with information on the Can the Grease (CTG) program to promote customer education and awareness of proper disposal of grease in their homes. Information is always included on the KUB website. During the winter holiday season, it is included on the home page. Residential homeowners also receive educational information through customer newsletters and event promotions of the CTG program in the local newspaper.

KUB continues to promote the CTG program at community events by distributing cans and sending speakers to meetings and other events. KUB grease inspectors gave educational presentations at apartment complexes during monthly tenant meetings, housing agencies, and general utility customer education workshops. KUB participated in four local events in 2012 and handed out 156 Can the Grease cans and brochures.

Section 3: Continuing Sewer System Assessment Program (CSSAP)

The CSSAP is a systematic evaluation of the entire wastewater collection and transmission system (WCTS) that also assesses capacity to support prioritization of the Corrective Action Plan/Engineering Report (CAP/ER) and the Infrastructure Rehabilitation Program (IRP). It consists of five key programs, each of which includes a method for setting priorities for determining where assessments are to be performed, a list of the tools and methods to be used to conduct assessments, and a performance measure to track progress.

The following table shows the elements of the CSSAP assessment tools and performance goal periods:

Table 2. CSSAP Elements

Program Elements	Assessment Tools	Completed in 2012	Total Completed*	One Complete Cycle Period
Manhole Condition Assessment	Manhole Inspections Smoke Testing	4 percent	74 percent	12 Years
Gravity Sewer Condition Assessment	Flow Monitoring Smoke Testing Dye Testing CCTV	3 percent	76 percent	12 Years
Private Lateral Condition Assessment	Flow Monitoring Smoke Testing Dye Testing CCTV	5 percent	83 percent	12 Years
Force Main Performance Assessment	Corrosion Defect Identification	100 percent	100 percent**	2 Years New cycle begins in 2013
Pump Station Performance Assessment	Pump Station Performance and Adequacy	0 percent	0 percent**	2 Years New cycle began in 2012

*Since CSSAP approval 7-28-05

**Conducted every other year

Manhole and Gravity Sewer Condition Assessment

We are dedicated to completing one full cycle of collection system assessment and cleaning in 12 years. At the end of year eight, KUB has completed inspection of approximately 74 percent of manholes and approximately 76 percent of the gravity system infrastructure. This advancement of work was done to facilitate many of the early rehabilitation projects. On the remaining schedule, KUB's daily clean and CCTV goal is 2,500 ft per day for an assumed 200 working days/year (200 days provides allowance

for weather, emergency response, equipment, training, and other personnel constraints that may limit a working day). This amounts to 500,000 ft per year, or approximately 8.5 percent of the system.

In addition to the 153 miles of BA footage, KUB and PACE 10 contractors cleaned and televised 258,142 ft (49 miles) of gravity sewers in 2012. Under PACE 10, contractors smoke-tested 701,795 ft (133 miles) of sewers and conducted 1,816 manhole inspections, with 978 manholes rehabilitated or replaced in 2012. Approximately 137,000 ft (26 miles) of wastewater mains in the KUB system were rehabilitated or replaced.

Figure 4 shows the total progress KUB has made through 2012 in implementing CSSAP activities. The green shaded areas identify where CCTV, smoke testing, and manhole inspections have been conducted, while the white shaded areas will be completed in the next four years. The grey areas have no gravity mains so those areas will not be inspected. We continue to reconcile data from previous years to ensure thorough cleaning and inspections on all assets in each sub-basin.

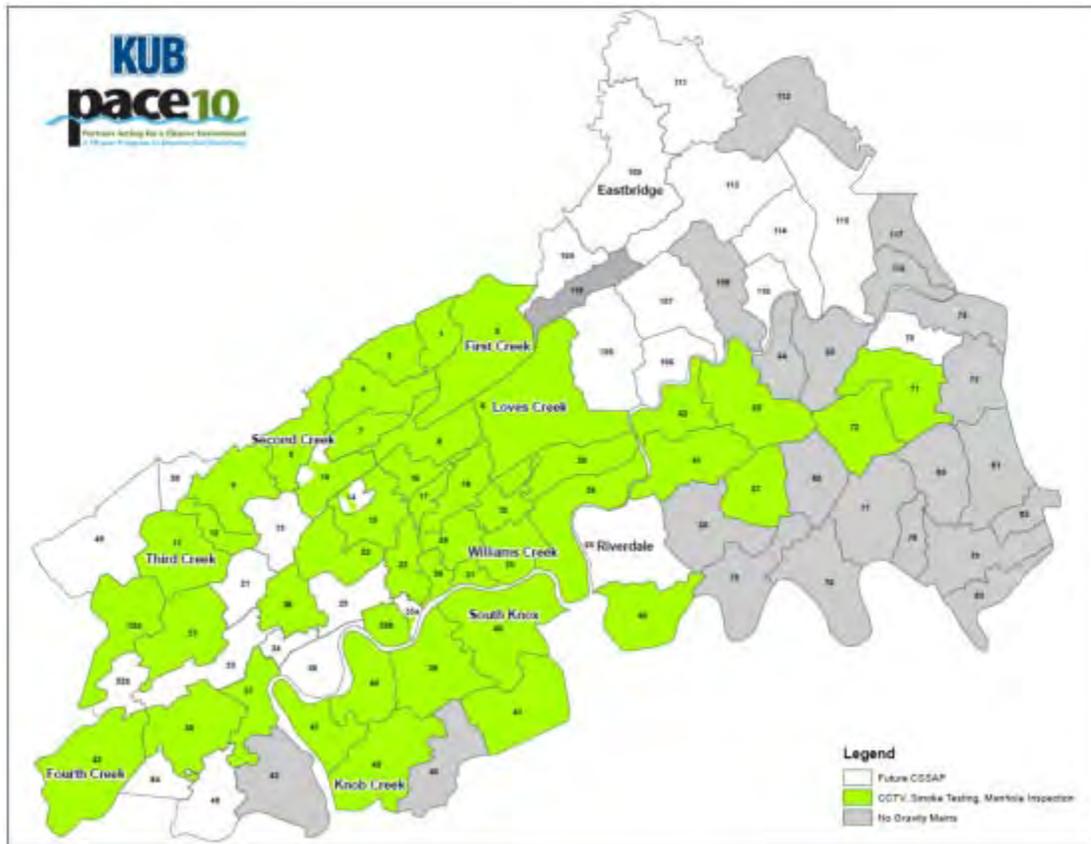


Figure 4. CSSAP Activities

Flow Monitoring and Modeling

Flow monitoring and modeling continue to be important tools to help KUB assess its system and prioritize basins for cleaning and rehabilitation. KUB has 35 permanent flow meters strategically placed in the wastewater system.

KUB plans to continue to use permanent meters and to add temporary meters as needed to collect data for the system model to help determine what areas to investigate and prioritize for future projects. Flow monitoring data supports planning for Gravity Line Preventive Maintenance, Pump Station and Force Main Preventive Maintenance, and Infrastructure Rehabilitation.

As a part of the temporary flow monitoring process, R-values are developed for each flow monitored area, or mini-basin. R-values are defined as the ratio of the volume of rainfall dependent inflow and infiltration in the collection system to the total rainfall volume of a storm event. KUB uses R-values to assess how much stormwater is entering the wastewater collection system. R-value is expressed as a percentage of rainfall from a storm event that enters the wastewater collection system via inflow or infiltration. The higher the R-value, the higher the percentage of passing rainfall that may enter the collection system.

KUB has completed and used flow monitoring data in various basins to identify opportunities for I/I reduction through system improvements thus far. KUB conducted temporary flow monitoring in ten wastewater drainage Basins from late January 2008 through March 2012 as indicated in Table 3. From this analysis, general improvements were noted in numerous mini-basins. R-values and flow monitoring notations developed from the analysis led to recommendations for a more thorough evaluation of these mini-basin areas.

Table 3. Flow Monitoring Timeline

Wastewater Basin	Date of Study	Temporary Flow meters	Permanent Flow meters	Miles of Line Evaluated
Third Creek	Jan-08	43	6	234
First Creek	Jan-09	42	7	276
Williams Creek	Jan-09	9	2	53
South Knoxville / Knob Creek	Feb-10	34	5	141
Fourth Creek	Feb-11	39	5	239
Second Creek	Feb-12	24	2	123
Loves Creek	Feb-12	22	3	120
Eastbridge	Feb-12	3	1	38
Sinking Creek	Feb-12	5	2	26

Private Lateral Condition Assessment

Private laterals may also be a major source of rainfall-derived inflow/infiltration (RD I/I). The Private Lateral Condition Assessment includes using flow monitoring, smoke testing, dye testing, and CCTV to discover sources of I/I. Through 2012, KUB has completed assessing approximately 83 percent of private laterals in the system. As part of the PACE 10 projects, KUB replaces the lower section of the lateral including the connection at the main and installs a two-way cleanout, as this portion of the lateral has been found to be a common source of I/I.

KUB has the ability to televise customers' upper laterals through the new cleanout and score them using standard Pipeline Assessment and Certification Program (PACP) criteria. When inspections occur, KUB reviews the data and makes recommendations on repairs. The recommendations are reviewed for consistency with PACP standards and enforcement action is taken where appropriate.

For more information on the Private Lateral Program (PLP), see Section 8.

Force Main and Pump Station Performance Assessment

As shown in the CSSAP table at the beginning of this section, KUB is committed to assessing all force mains and pump stations on a two-year cycle. All 63 pump stations receive a separate comprehensive condition assessment through a detailed inspection every other year on top of their on-going evaluation by maintenance personnel. During these comprehensive inspections, the estimated remaining service life of the structural integrity, mechanical equipment, and electrical reliability at each pump station is reviewed and updated from the inspections previously performed. Information from those inspections helps assess the condition and criticality grading of each facility every other year. Based on the results of the 2011 assessment, KUB prioritized pump stations to determine criticality and a course of action for each station in need of maintenance. The prioritized list of stations guides the timeline for project completion.

The wastewater facility preventive/predictive maintenance program has been streamlined to eliminate excess work and consolidate inspection methods into one practical application through the successful implementation of the Maximo Software. This software not only serves as an asset management system but also provides work management to ensure that all necessary work is performed on time and the findings recorded. KUB System Operations personnel have completed inspections of all pump stations annually since 2008. In 2012, KUB performed 1,407 scheduled facility Condition Assessments and Preventive Maintenance tasks. [See Appendix B for maintenance activities and schedule.] The biennial Condition Assessment and the scheduled Preventive Maintenance Inspections by KUB personnel resulted in numerous station improvements ranging from follow-up work orders for increased maintenance schedules to significant capital improvements.

In 2012, KUB completed a comprehensive force main assessment. The assessment included inspections of all high-pressure air-relief valves and terminal manholes. The force main assessment evaluates the material and age of the main, the condition of the air-relief valve, the condition of terminal manholes, and problems at pump stations (pumps not pumping at their specified rating or under high pressure due to potential issues with the force main). KUB also monitors Hydrogen Sulfide (H₂S) on a continuous basis and tracks odor problems, which potentially affect the condition of the force main.

In 2012, KUB began a project to rehabilitate 16 terminal manholes as part of the force main assessment. These terminal manholes were rehabilitated and coated with a corrosion resistant material. As part of the 2012 Force Main assessment, 155 high pressure air release valves were inspected. Only one air release valve was replaced as a result of the assessment.

KUB anticipates similar recommendations for system improvements following our scheduled biennial Comprehensive Inspection of all KUB Pump stations in 2013.

KUB's Force Main Condition Assessment Program identifies areas having potential corrosion issues. Staff uses the information to schedule appropriate maintenance and/or capital improvement activities. [See *Section 7: Other MOM Programs for more information.*] Because steel, cast iron, and ductile iron pipe are susceptible to corrosion damage in areas where air enters pipes, KUB focuses assessment efforts around air-relief valves and at terminal manholes.

KUB uses temporary dataloggers (OdaLogs) to monitor H₂S levels in areas with odor complaints or previous corrosion issues. The data helps to identify potential for force main corrosion. KUB follows up with additional inspections on lines shown to have high H₂S levels for extended periods.

KUB monitored the following pump station (PS) areas in the past year:

Easton Meadows PS/Parker Drive FM	Kohl's PS/Washington Pike FM
Forks of the River PS/Delrose Dr FM	Ten Mile PS/Rotherwood Drive FM
Harrison Keepe PS wet well	Lyons View PS/Lyons View Drive FM

Manholes and lines downstream of force mains are areas that may experience odor complaints. KUB concentrates H₂S monitoring and control efforts in areas such as these and uses various methods of odor control as appropriate. Following this evaluation, KUB has been able to adjust the loading rates of chemicals at the stations to attempt to address these levels. Also, retention times of the wastewater within the wetwell and force mains are studied to reduce formation of gases. KUB's air relief valves will also reduce the build-up of Hydrogen Sulfide while improving the operation of the associated station.

Section 4: Infrastructure Rehabilitation Program (IRP)

The main objectives of the Infrastructure Rehabilitation Program (IRP) are to address inflow and infiltration (I/I) and other causes of sanitary sewer overflows (SSOs) by maintaining or restoring capacity and structural integrity. It addresses both the gravity portion of the WCTS (gravity lines, manholes, etc.) and the transmission components (pump stations and force mains).

Gravity Lines and Manholes

KUB's IRP rehabilitated or replaced more than 137,000 ft (26 miles) of sewer mains in 2012, which is about 2 percent of the KUB system. Out of 1,816 manholes inspected, 978 were rehabilitated or replaced. The mains were rehabilitated or replaced using a mix of cured-in-place pipe, pipe bursting, or open-cut pipe replacement. Figure 5 outlines projects completed through 2012 as a result of KUB's investigations and condition assessment efforts.

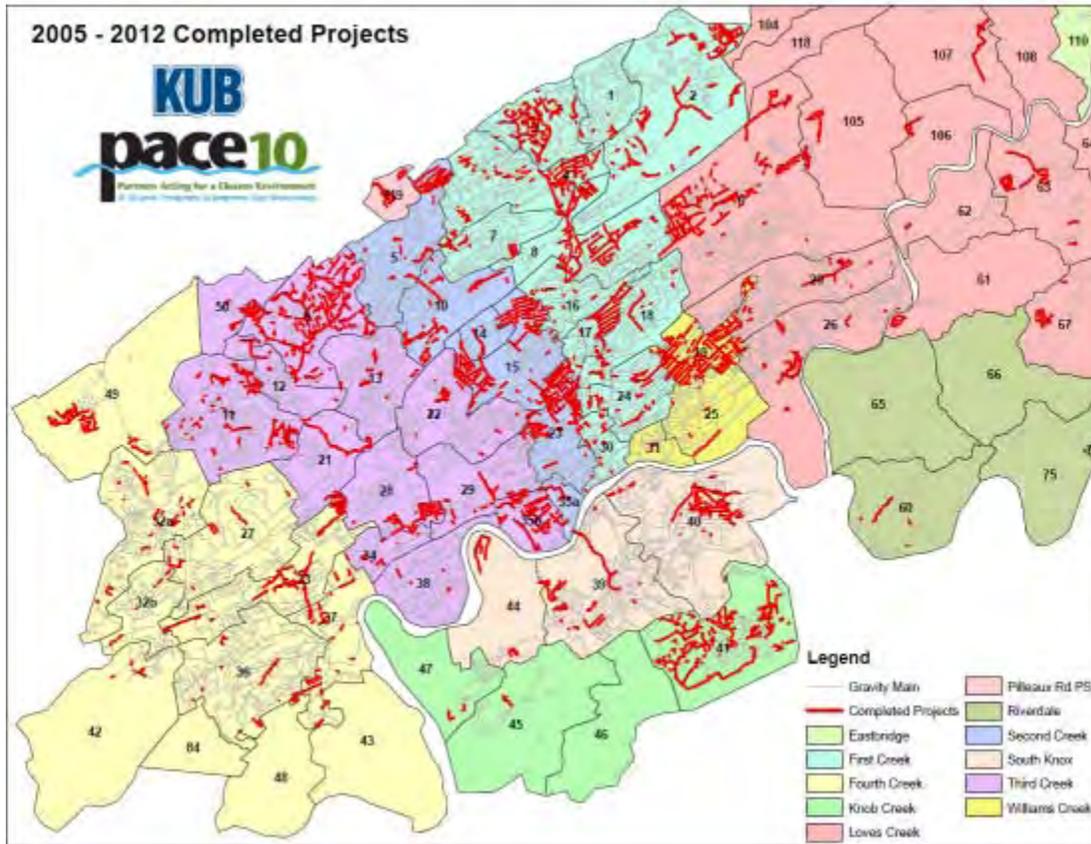


Figure 5. 2005-2012 Completed Capital Improvements

KUB initially focused heavily on flow monitoring and modeling to direct rehabilitation. As the IRP matures, KUB increasingly uses other components of the CSSAP, such as televising lines and inspecting pump stations, to direct improvements. Basin Characterization has become a larger part of the evaluation as a more comprehensive set of data becomes available from CSSAP.

Pump Stations and Force Mains

Key performance criteria for pump stations and force mains are hydraulic capacity, structural integrity, and mechanical and electrical reliability. KUB's ultimate goal is to upgrade pump stations as necessary to maintain the design life of equipment and to certify capacity for new connections in accordance with the requirements of the Capacity Assurance Plan (CAP).

KUB completed upgrades or replacements of the Sea Ray, Chapman Highway, Amherst, Duncans Glen, and Southside pump stations in 2012. Design and/or construction on Neubert Springs, Pelham, Pilleaux, McNutt, Maloneyville, and Cruze Road pump station upgrades (facility replacements with new submersible design) are currently in process.

Other 2012 facility and equipment work included the installation of a generator at the Forks of the River pump station. Force mains were replaced for the Chapman Highway, Southside, and Amherst pump stations. Improvements also include SCADA upgrades and improvements at various facilities based on the findings of the previous biennial Condition Assessment and the scheduled Preventive Maintenance inspections by KUB personnel. An example of such improvements would be altering preventive maintenance schedules to provide more frequent maintenance on a case by case situation based on actual condition assessments versus lifecycle projections.

KUB continues to monitor all wastewater facilities (pump station and storage facilities) with SCADA capabilities at the System Operations Center located at Middlebrook Pike. This is the primary notification and monitoring location for all pump station, storage facility, and metering facility conditions.

Section 5: Gravity Line Preventive Maintenance Program

The Gravity Line Preventive Maintenance Program (GLPMP) describes KUB's process for preventive cleaning of the wastewater system to improve operation, efficiency, and effectiveness. KUB is committed to cleaning the entire wastewater collection system in 12 years.

The GLPMP is divided into the Comprehensive Hydraulic Cleaning Program (CHCP) and Blockage Abatement (BA). Root Control and Manhole Preventive Maintenance are components of both the BA and the CHCP. KUB determines chemical and mechanical root abatement frequency by the condition assessment program.

The Comprehensive Hydraulic Cleaning Program (CHCP)

The CHCP is a systematic, planned cleaning of the system to reduce debris and grease buildup and root intrusion. It is based on preventing and reducing the initial occurrence of system disruptions and maintaining the original hydraulic capacity of the collection system. It also provides support to the CSSAP by removing any obstruction in the system that would prevent a comprehensive inspection.

KUB and PACE 10 contractors cleaned and televised 258,142 ft (49 miles) of KUB sewers in 2012.

The Blockage Abatement (BA) Program

The BA Program is a preventive maintenance approach for addressing operational issues. It uses previous event history and condition assessment information to implement activities that prevent or reduce system disruptions. Activities may include, but are not limited to, hydraulic flushing, mechanical and chemical root control, rodding, and CCTV inspections.

BA contract crews cleaned 806,270 ft (153 miles) and televised 347,041 ft (66 miles) of sewers in 2012. KUB had approximately 620,000 ft (119 miles), or 10 percent of its sewer mains, in the BA program in 2012.

KUB adds a line segment to the BA Program based on inspection data or when a blockage or other failure occurs. Each line segment included in the BA Program is assigned a cleaning frequency according to its condition and the probability or risk of failure. The frequency of the maintenance activity ranges from one month to 42 months.

During calendar year 2012, KUB continued to perform root control using mechanical root cutting and cleaning under the BA Program.

Section 6: Sewer Overflow Response Plan (SORP)

As reported in the most recent SORP [revised and re-submitted to the EPA June 27, 2005, and approved July 28, 2005], KUB continues to place a high priority on maintaining and executing a Sewer Overflow Response Plan to help protect our community and our environment. KUB's Emergency Response Plan (ERP), which was approved by EPA on December 12, 2005, dovetails with the SORP. The ERP helps define the level of response that we take for everything from a single, isolated event to system-wide overflows.

KUB reviews the SORP annually. This progress report includes an update on implementation of recent revisions, training, and other areas of interest.

KUB makes all reasonable efforts [without endangering the safety of the responder or the public] to respond to an SSO within 45 minutes. In 2012, we had 87 SSO events in which KUB's Underground Construction (UGC) department responded, and our average response time was 34 minutes. We continue to work to improve our response, using technology such as remote overflow sensors that alert our system operators to an overflow condition, prompting immediate dispatch of an Underground Response Technician (URT). In fact, SSO response time was well below our goal in January and September when the KUB area received heavy rainfall and had high antecedent moisture conditions. UGC's January average response time was 15.7 minutes for 11 SSO events and the September average response time was 25 minutes for 13 SSO events.

We are also using mobile mapping technology, which helps our responder quickly identify the geographic location of the overflow and plan the best route. Other factors that influence response time include safety considerations, location of the problem, severity of events, and workloads at the time of the call. We will continue to assess each of those factors to determine if changes need to be made to improve response time.

Safety of responders and of the public is a primary concern for KUB. During 2012, KUB crews responded to 1,255 wastewater trouble calls [all calls, not just SSOs] with no recordable safety incidents that were directly related to the sewer trouble calls.

KUB relies on several measures to help maintain an appropriate quality of SSO response:

- Members of the CSI team, who are knowledgeable in SORP requirements, perform periodic quality assurance audits to evaluate how effectively the crew implemented the SORP. They look at a variety of factors, including containment measures, control zone and signs, and cleaning, and they check that crews followed the disinfection procedure. CSI works closely with crews and supervisors to maintain appropriate standards.
- UGC supervisors monitor crews' work on a day-to-day basis. They also use tailgate meetings in the field, coaching opportunities, and regular meetings to emphasize safety and maintaining proper standards. Compliance with established procedures is part of KUB's Performance Management Program measures so feedback can be provided to employees in case improvement is needed.
- Feedback from customers, concerned citizens, neighborhood associations, City personnel, and organizations (such as the Izaak Walton League or Tennessee Clean Water Network) also helps identify any instances when the quality of response

falters. Such feedback is directed to CSI, who works with UGC to correct the issue in that instance and prevent it from recurring in future responses.

SORP Training: In addition to working closely with all departments involved in the SORP on a day-to-day, event-by-event basis, CSI updates appropriate personnel as needed on revisions. In addition, KUB uses a computerized SORP training tool that allows employees to train at their own pace on a computer. The computerized training is available on demand for new employees or others who need refresher training. Targeted employees receive notification when training is required. Training is also given in a classroom setting with hands-on field training components when more appropriate.

Manhole Surcharge Sensors: As previously reported, KUB added a tool in 2005 to help alert responders when wet-weather overflows are imminent (manhole surcharge level sensors). When the level in manholes with a sensor reaches a set point, the sensor sends a page over a cellular system. The page notifies the KUB Operations Center, which dispatches a URT and sends an e-mail alert to CSI. The sensor also sends a second page when the manhole level is back below the set point. KUB continues to use the sensors [currently 17], as needed, to automate coverage of the monitored locations formerly on the list for wet-weather surveys, freeing up crews for other duties.

The process for selecting the location for the high-water alarms or manhole surcharge sensors is based on several factors, including the location of previous wet-weather SSOs and findings from the previous flow monitoring efforts.

KUB website (www.kub.org): The SSO log includes a volume category added in 2005 and a link to a permanent archive of SSOs by month. In 2007, KUB and a contractor conducted focus groups with customers to help direct a site redesign. The new site went live during 2008 and is providing customers more interaction with their utility services. The SSO information is still available on the new site. To access the SSO log, go to www.kub.org. Under either the Residential Customers or Business Customers tab, go to the menu on the left side of the screen and click on Service Information – Wastewater Programs – Sewer Overflows – Sanitary Sewer Overflows Log.

Section 7: Other MOM Programs

KUB continues to implement and manage the Other MOM Programs in substantially the same manner as previously reported. The following is a brief update on some areas of particular interest or those where there have been changes:

- Pump Station Preventive Maintenance Program

KUB's Pump Station Preventive Maintenance Program includes both routinely scheduled maintenance and work orders field crews create. [*Orders created by crews are designated RSCIN in the spreadsheet in Appendix B.*] A crew at a pump station for a scheduled pump inspection, for example, may also decide to inspect another piece of equipment or perform a routine facility inspection.

In 2012, crews conducted 1,407 scheduled facility Condition Assessments and Preventive Maintenance tasks. KUB also uses the rate of trouble occurrences to adjust inspection frequencies. If a pump at one station generates a number of trouble calls, crews may inspect it more frequently.

For more detail on the numbers and types of inspections see Appendix B. The appendix also includes sample checklists for some of the inspection categories.

- Force Main Preventive Maintenance Program

Force mains are a critical part of the sewer infrastructure and operations. Force main and air/vacuum valve maintenance and operation have a direct impact on the hydraulic performance of wastewater pump stations. The vertical alignment of force main slopes, the location of air/vacuum valves, and the age of sewage transmitted by the force main may also result in odor sources, corrosion problems, and even pipe failure.

Like pump stations, the force mains are evaluated based on both criticality (consequence of failure) and condition (probability of failure). Since it can be cost prohibitive to inspect the pipe of each force main in KUB's system, surrogate condition factors were used with the available existing information to estimate the condition of each asset. The force mains are analyzed and categorized in terms of field measurements and existing data collection in terms of: Quantity of Flow Conveyed, Transportation Impacts, Urban Impacts, Environmental Impacts, Public Health Impacts, Age, Material, Air Release Valve Information, Discharge Manhole Condition, and SSOs. Combining those factors accordingly, the existing force mains can be viewed in terms of the consequences and probability of their failure, which helps dictate the necessity of replacement and/or rehabilitation.

In 2012, the force mains for the Amherst, Southside, and Chapman Highway, pump stations were replaced. In 2013, force mains for Neubert Springs, Cruze Road, Pelham Road, and Pilleaux pump stations are scheduled to be replaced.

- Public Information/Public Input Plan
KUB continues to concentrate on educating customers about the wastewater system, sewer overflows, impacts on area waterways, private lateral maintenance, and how they can help protect their plumbing and our environment. We use a variety of communication methods including our website, customer bill messages, customer newsletters, brochures, presentations, and articles or ads in local papers.

KUB's Customer Information Guide includes information about wastewater safety, private laterals, prohibited connections, and proper grease disposal. The guide mails to customers each month who are either new to KUB or who move to a new address. We also include similar information in our *Connection* newsletter, which mails in all customer bills (approximately 208,000 bills per month) six times a year.

We continue to meet regularly with the Partners Council, which was established in December 2004 to enhance KUB's PACE 10 program by increasing awareness and building consensus in our community. The council members both provide feedback and input to KUB and take information back to the groups they represent. They receive a written monthly update on current PACE 10 projects, construction communications, Can the Grease mailings, overflow numbers, and rainfall data. Every other month, the council meets for a presentation and more in-depth discussion of ongoing projects and trends in overflows.

KUB also offers speakers to neighborhood groups and organizations about PACE 10 projects, private laterals, prohibited connections, grease, and other wastewater-related topics. Groups may request presentations through our website or by calling our Customer Information Center at 865-524-2911.

We continue to mail letters to customers in advance of PACE 10 projects with information about the need for the project, smoke testing information, and more. In 2012, we sent approximately 11,400 construction letters.

We also increased the wastewater safety and CTG information in our Utility Safety Program (USP) for fourth- and fifth-grade students. The USP provides presentations to public and private schools and organizations such as the Boy's and Girl's Clubs in KUB's service area. KUB presented the USP to 15 schools or organizations in 2012.

The KUB website home page changes periodically to include seasonal topics, new functionality, and special promotions. To ensure that customers can easily find topics that have been on the home page, we also developed a Hot Topics Index that includes things that have been on the front page. Wastewater-related topics in the index include Can the Grease, PACE 10, the Private Lateral Program, Smoke Testing, and Sewer Overflows.

Section 8: Private Lateral Program

KUB operates a Private Lateral Program (PLP), as required by the Consent Decree and KUB's Wastewater Rules and Regulations. The PLP helps protect our environment by ensuring that property owners repair their laterals and/or remove prohibited connections. [Prohibited connections include roof downspouts and other sources of stormwater.] Defective laterals or prohibited connections can overload KUB's sewer system with rainwater and contribute to sewer overflows. Leaking laterals can also add to pollution in area waterways.

KUB takes these steps as part of the PLP:

- Inspect customers' private laterals and identify defects or prohibited connections.
- Inform property owners of any defects, the process to follow to make repairs, and potential availability of financial aid.
- Ensure owners make lateral repairs and remove prohibited stormwater connections.
- Enforce the PLP by terminating the water service of customers who do not make repairs within the 120-day timeframe.

As part of the requirements of the Consent Decree, KUB operated a Supplemental Environmental Project* (SEP), which offered financial assistance to low-income homeowners who had defective sewer laterals or prohibited connections. In addition to the \$2 million set aside for the SEP* Grant, KUB offered an interest-free Loan Program to low-income customers in the PLP. KUB completed the SEP* and submitted the SEP* Completion Report to the EPA on June 29, 2012. Due to low demand, KUB discontinued offering the Loan Program in 2012. The income guideline percentages for both the SEP* Grant and the Loan programs were calculated based on current homeowner income information obtained from the Department of Housing and Urban Development for Knoxville/Knox County.

Because the PLP continues to enforce on homeowners where defective private sewer laterals or prohibited connections are identified, KUB established a Residential Assistance Program (RAP) Grant to continue offering financial assistance to low-income residential homeowners in the PLP. The RAP is KUB funded and uses the same income guideline requirements as the previous grant program.

The statistics below illustrate actions undertaken in the program from January 1, 2012, to December 31, 2012.

Total Private Laterals	51
Repair	7
Replace	44
Total with Tenants	15
Repair/Replace Complete	134
Terminations	7
Reinstatements	14

Financial Assistance Activity

Applications provided to customers	31
Applications received	34
SEP* Grants approved	15
Loans approved	0
RAP Grants approved	22
SEP* Grants disbursed	\$105,969.61
Loans disbursed	\$0.00
RAP Grants disbursed	\$58,531.04

Note: Some applications received or approved were provided to customers in 2011. Many of the SEP Grants disbursed were approved in 2011.*

As part of PACE 10 projects, KUB replaces the lower section of the sewer lateral and installs a two-way cleanout near the property line. Analysis of flow monitoring data showed that I/I was reduced considerably by replacing this section of pipe, including the connection at the sewer main. Flow monitoring data could not conclusively measure the benefits of I/I reduction received by upper lateral repairs. Through the end of the SEP*, private lateral inspections followed PACE 10 wastewater system improvement projects. After the SEP's* completion, KUB decided to only use routine CCTV inspections in areas that continued to experience high I/I problems after the completion of wastewater system improvement projects. KUB continues to enforce on private sewer laterals through the PLP where defects are discovered in upper laterals during these inspections.

KUB established the problem on property (POP) process in late 2007 to handle private wastewater problem calls. This process assists customers with identifying sources and locations of sewer problems via CCTV inspections, either by push cameras through cleanouts or launch cameras entering laterals from sewer mains. Properties are placed in the PLP if defects are discovered in the private lateral during these inspections. Quick response to POP situations, which typically includes sewage on the ground, helps the environment by preventing wastewater from reaching ground water or being carried by stormwater to area waterways, which adds to stream pollution.

In addition to the POP process and ongoing CAP/ER work addressing laterals, KUB continues to require homeowners to disconnect illicit connections, such as roof downspouts, area or foundation drains, and sump pumps, in an effort to reduce excess rainwater from entering the sanitary sewer system and thus causing SSOs.

KUB also uses the website and professional group presentations to educate property owners about the importance of properly maintaining sewer laterals and removing prohibited connections.

**This project was undertaken in conjunction with the settlement of a civil enforcement action taken by the United States for violations of the Clean Water Act.*

Appendices

Appendix A

Grease Control Program Summary Tables

Facility	Address	Inactive FSFs	Trap/Interceptor Size	Trap Size Required	Interceptor Size Required	Total Inspections	Initial Inspections	Follow-up Inspections	Routine Inspections	GCE Certification	Risk Rating	NONC Letters	NOV Letters	SNC Letters	Traps Installed	Comments
11th Street Espresso House	1016 Laurel Avenue	X	30	30		1			1		4 - Low					FSF is closed.
180 Sports & Fitness	1501 Kirby Road	X	-	-		1			1		4 - Low					FSF is closed.
31 Bistro	31 Market Square	X	40	150		2			1	1	0 - No option					FSF is closed.
4620 Reinvented	4620 Kingston Pike	X	30	30		1			1		4 - Low					FSF is closed.
501 Arthur Street Market & Deli	501 Arthur Street	X	50	50		1			1		4 - Low					FSF is closed.
8-Ball Billiards	2630 N. Broadway		-	40		2	1	1			4 - Low					No food production at facility, but looking into opening snack bar.
A J's Restaurant	912 S. Gay Street	X	40	40							4 - Low					FSF is closed.
A Taste of Miami	506 S. Harrison Street	X	40	40		1			1		3 - Medium					FSF is closed.
ABC Kiddies Academy	3100 Linden Avenue	X	-			1			1		4 - Low					No food production at facility.
Abundant Life Kitchen	3336 Sevier Avenue		50, 50**		1500	1				1	4 - Low					Working with FSF to install proper GCE
Aegean Mediterranean Restaurant	4861 Kingston Pike	X	1000		1000	1			1		4 - Low					FSF is closed.
Agave Azul Mexican Grill	4405 Kingston Pike		1000		1000	2			1	1	3 - Medium					
Ale House	7125 Kingston Pike	X	-	-		1		1			4 - Low					FSF is closed.
Alex's Havana Café	5123 Homborg Drive	X	30	30		1			1		4 - Low					FSF is closed.
Ali Baba's Time Out Delicatessen	8361 Kingston Pike		30	30		1			1		3 - Medium					
All About Me Academy	2525 Merchants Drive		40	40		3			2	1	3 - Medium	1				
All Occasion Catering	922 N. Central Avenue		1500		1500	2			2		3 - Medium					
All Occasions Party Rentals	5825 Middlebrook Pike	X	1000		1000	1				1	4 - Low					No food production at facility.
Al's Market & Deli	1006 University Avenue	X	20	20		1			1		3 - Medium					No food production at facility.
Al's Market & Deli	2900 Sevier Avenue		40	40		1			1		3 - Medium					
AM & PM Market	2800 East John Sevier Highway		40	40		1			1		3 - Medium					
Andy's Market	2400 Magnolia Avenue	X	-	-		2	1	1			4 - Low					No food production at facility.
Anna's Market & Deli	941 Virginia Avenue		50	50		1			1		3 - Medium					
Ann's Market & Deli	1607 6th Avenue		40	40		5		2	1	2	3 - Medium	1			1	
Apostolic Kiddie Academy	5020 Pleasant Ridge Road		500		500	1				1	3 - Medium					
Applebee's	2912 Knoxville Center Drive		1000		1000	1			1		3 - Medium					
Applebee's Restaurant	6928 Kingston Pike		1000		1000	2			1	1	3 - Medium					
Applebee's Restaurant #1	5316 Central Avenue Pike		1000		1000	2		1	1		3 - Medium	1				
Arby's #1498	4849 N. Broadway		30	30		1				1	3 - Medium					
Arby's #7282	2750 Schaad Road		1000		1000	2		1	1		3 - Medium					
Arby's Roast Beef #1497	2657 Magnolia Avenue		30	30		2			1	1	3 - Medium					
Arby's Roast Beef #567	2819 Chapman Highway		40	40		2			1	1	3 - Medium					
Arby's Roast Beef #618	5228 Clinton Highway		40	40		2			1	1	3 - Medium					
Arby's Roast Beef #6770	7122 Strawberry Plains Pike		40	40		2			1	1	3 - Medium					
Arby's Roast Beef #719	430 Gay Street	X	40	40		1			1		3 - Medium					FSF is closed.
Arby's Roast Beef#153	6903 Kingston Pike		30	30		2			1	1	3 - Medium					
Archers BBQ	5415 Kingston Pike		40	40		1	1				3 - Medium				1	New FSF
Archer's BBQ	7702 S. Northshore Drive		40	40		1	1				3 - Medium					New FSF
Archer's BBQ Commissary	311 S. Weisgarber St.		2000		2000	8	1	5	1	1	3 - Medium	1			1	New FSF
Arnstein Jewish Community Center	6800 Deane Hill Drive		70	70		2			1	1	3 - Medium					
Asian Chao	7600 Kingston Pike Suite 1304		50	50		2		1	1		3 - Medium	1				
Asian Express	4409 Chapman Highway Suite R		2000		2000	1			1		3 - Medium					
Atria Weston Place	2900 Lakebrook Boulevard		1500		1500	1				1	3 - Medium					
Aubrey's Restaurant	6005 Brookvale Lane		2000		2000	2		1	1		3 - Medium					
Aunt Helmas Country Store	8606 Asheville Highway	X	1000		1000	1			1		3 - Medium					FSF is closed.
Auntie Anne's	3001 Knoxville Center Drive		30	30		4		2	1	1	3 - Medium					
Auntie Anne's	7600 Kingston Pike #1162		40	40		2			1	1	3 - Medium					
Austin-East High School	2800 Martin Luther King Boulevard		1500		1500	1			1		3 - Medium					
Azteca Market	5223 Clinton Highway	X	-	-		1			1		4 - Low					No food production at facility.
B & D Rib Shack	5200 Rutledge Pike	X	50	50		1			1		3 - Medium					FSF is closed.
Backroom BBQ	106 N. Central Avenue	X	40	40		2			2		3 - Medium					FSF is closed.
Backyard Burgers #1145	5310 Kingston Pike	X	1000		1000	1				1	3 - Medium					FSF is closed.
Baptist Hospital	137 Blount Ave.	X	1000		1000	1			1		4 - Low					No food production at facility.
Barberito's	215 Brookview Way		1500		1500	2	1	1			3 - Medium				1	New FSF
Barley's Taproom & Pizzeria	200 East Jackson Avenue		1000		1000	1				1	3 - Medium					
Barnes & Noble Cafe #2838	8029 Kingston Pike		1000	40		1			1		4 - Low					FSF exceeded grease interceptor size requirement.
Baskin Robbins/Blimpie's	4403 Chapman Highway	X	30	30							3 - Medium					FSF is closed.
Baymont Inn	814 Brakebill Road	X	-	-		1			1		4 - Low					No food production at facility.
Bearden Elementary School	5717 Kingston Pike		1000		1000	1			1		3 - Medium					
Bearden High School	8352 Kingston Pike		4000		3000	1			1		3 - Medium					FSF exceeded grease interceptor size requirement.
Bearden Hill Fieldhouse	6600 Kingston Pike		1500		1500	2	1		1		3 - Medium				1	New FSF
Bearden Middle School	1000 Francis Road		100	100							3 - Medium					
Bearden United Methodist DCC	4407 Sutherland Avenue	X	-	-		1			1		4 - Low					No food production at facility.
Beaumont Elementary School	1211 Beaumont Avenue		1000		1000	1			1		3 - Medium					
Bella Luna	15 Market Square		40, 100	40, 100		2			1	1	0 - No option					
Bellacino's Pizza and Grinders	4841 Kingston Pike		50	50		1			1		3 - Medium					
Belle Morris Elementary School	2308 Washington Pike		1000		1000	1			1		3 - Medium					
Best Western Hotel	7260 Sadderack Street	X	-	-		1			1		4 - Low					No food production at facility.
Best Western Inn	5317 Pratt Road		40	40		7	1	5	1		3 - Medium	1			1	
Bida Saigon	8078 Kingston Pike Suite 165		40	40		1			1		3 - Medium					
Big Bites Pizza & Deli	6404 Asheville Highway	X	50	50		1			1		3 - Medium					FSF is closed.
Big Daddy's Ribs & Hamburger's	2827 Magnolia Avenue	X	500		500	1			1		3 - Medium					FSF is closed.
Big Fatty's	5005 Kingston Pike		1000		1000	1			1		3 - Medium					
Big Tiny's Grill	6520 Chapman Highway Ste. C	X	40		1000	1			1		2 - High					FSF is closed.
Bistro at The Bijou	807 South Gay Street		100	100		2			2		0 - No option					
Bistro By the Tracks	215 Brookview Center Way		1500		1500	2			1	1	3 - Medium					
Bliss Entertainment	116 Central Avenue		30	30							3 - Medium					
Blue Chips Sports Pub & Grill	7815 Kingston Pike		30	30		1			1		3 - Medium					

Facility	Address	Inactive FSFs	Trap/Interceptor Size	Trap Size Required	Interceptor Size Required	Total Inspections	Initial Inspections	Follow-up Inspections	Routine Inspections	GCE Certification	Risk Rating	NONC Letters	NOV Letters	SNC Letters	Traps Installed	Comments
Blue Coast Burrito	37 Market Square		50, 150	50, 150							0 - No option					
Blues & Jazz Sports Bar	3227 Magnolia Ave.	X	-	-		1			1		4 - Low					No food production at facility.
Bojangles	5916 Middlebrook Pike		1500		1500	2	1		1		3 - Medium				1	New FSF
Bonefish Grill	6610 Kingston Pike		2000		2000	2			1	1	3 - Medium					
Borders Books Music & Café	202 Morrell Road	X	40	40		1			1		3 - Medium					FSF is closed.
Bountiful Blessings	3835 Catalpa Avenue		40	40							4 - Low					
Boyd's Jig and Reel	101 S. Central Street		50, 150	50, 150							0 - No option					
Boys and Girl Club of Greater Knoxville	407 Caswell Avenue		1000, 1000		1000	2			2		4 - Low					FSF exceeded grease interceptor size requirement.
Brakebill Nursing Home	5837 Lyons View Pike		3000		3000	2			1	1	3 - Medium					
Bravo's	106 Major Reynolds Place		1500		1500	2			1		3 - Medium					
Brazzeiros	6901 Kingston Pike		1500		1500	1			1		3 - Medium					
Breadbox	5328 Pleasant Ridge Road	X	20	20							4 - Low					
Breadbox #44/Quizno's	5014 Washington Pike		1000	50		1			1		3 - Medium	1				FSF exceeded grease interceptor size requirement.
Breaker's Sports Bar	5000 Clinton Highway	X	1000		1500	1			1		2 - High					FSF is closed.
Brewskies Too	3846 Martin Mill Pike		40	40		2			1	1	3 - Medium					
Bridge View Grill	900 Neyland Drive	X	2000		2000	2			2		4 - Low					FSF is closed.
Brix Pizza	7403 Kingston Pike		2000		2000	1			1		3 - Medium					
Broadway Baptist Church	815 N. Broadway		1500		1500	2			1	1	3 - Medium					
Brownie's 2	3846 Martin Mill Pike	X	40	40		1			1		4 - Low					FSF is closed.
Bruno's Pizzeria & Grill	6907 Kingston Pike		30	30		1			1		3 - Medium					
Bruster's Ice Cream	7670 S. Northshore Drive		1500	40		1			1		4 - Low					FSF exceeded grease interceptor size requirement.
Bucket Head Tavern	8039 Ray Mears Blvd.		1000		1000	1	1				3 - Medium				1	New FSF
Buddy's Bar B Q (Banquet Hall)	5806 Kingston Pike		1500		1500	1			1		3 - Medium					
Buddy's Bar B Q (Bearden)	5806 Kingston Pike		1500		1500	1			1		3 - Medium					
Buddy's Bar BQ	4401 Chapman Highway		1000		1000	1			1		3 - Medium					
Buddy's Bar BQ	8402 Kingston Pike		1500		1500	1			1		2 - High				1	FSF installed new 1500 GI.
Buddy's Bar BQ (Broadway)	4500 N. Broadway Avenue		1000		1000	1			1		3 - Medium					
Buddy's Bar BQ (Magnolia)	3700 Magnolia Avenue		1500		1500	1			1		3 - Medium					
Buffalo Wild Wings	1912 Cumberland Avenue	X	1500		1500	1			1		3 - Medium					FSF is closed.
Burger King	2806 N. Broadway		1000		1000	1			1		3 - Medium					
Burger King #11722	7206 Region Lane		1500		1500						3 - Medium					
Burger King #12141	127 Northshore Drive		1500		1500	1			1		3 - Medium					
Burger King #13146	2800 Chapman Highway		1500		1500	1			1		3 - Medium					
Burger King #5346	319 Merchants Road		1000		1000	2		1	1		3 - Medium					
Burger King #9679	5316 Millertown Pike		1500		1500	1			1		3 - Medium					
Burger King (Kingston Pike)	8412 Kingston Pike		1000		1000	2			1	1	3 - Medium					
Burger King (Middlebrook)	5310 N. Middlebrook Pike		1500		1500						3 - Medium					
Burlington Fish Market	108 Fern Street		40	40							4 - Low					
Busby's Tango Grille	8088 Kingston Pike	X	1500		1500	1			1		4 - Low					FSF is closed.
Bush Brothers	1018 Weisgarber Road - & 1032 & 1016		100, 1500	100	1500						4 - Low					
Butcher Shop	806 World's Fair Drive	X	1500		1500	2		1	1		3 - Medium					FSF is closed.
C & C Café (Facility 345)	400 Main Street		20	20		4		1	1	2	4 - Low					
Cafe 4	4 Market Square		1500		1500	2			2		3 - Medium					
Cafe Gourmet	301 S. Gay Street	X	40	40		1			1		3 - Medium					FSF is closed.
Cairo Cafe	718 S. Gay Street		20, 100	20, 100							0 - No option					
Cajun Cafe & Grill	7600 Kingston Pike, Suite 1348		20	20		3			2	1	3 - Medium					
Calhoun's Banquet and Catering Kitchen	400 Neyland Drive		1500		1500	1			1		3 - Medium					
Calhoun's On Bearden Hill	6515 Kingston Pike		1500		1500	2		1	1		3 - Medium	1				
Canaan Baptist Church	1117 Beaman Lake Road	X	750		750	1			1		4 - Low					No food production at facility.
Cancun	4409 Chapman Highway		150	150		1				1	3 - Medium					
Cancun Mexican Restaurant & Cantina	4829 N. Broadway		1000		1000						3 - Medium					
Capitol Meats	3501 Workman Street	X	-	-		1	1				4 - Low					No food production at facility.
Cappuccino's/Copper Cellar Restaurant	7316 Kingston Pike		1500		1500	2		1	1		3 - Medium	1				
Captain D's # 3204	812 Merchants Drive		1000		1000	2			1	1	3 - Medium					
Captain D's #3205	4320 Chapman Highway		1000		1000	2			1	1	3 - Medium					
Captain D's #3406	3121 N. Broadway Avenue	X	1000		1000	1			1		3 - Medium					FSF is closed.
Cardins Drive-In	8529 Asheville Highway		40	40		1			1		3 - Medium					
Carleo's Lounge	117 S. Central Avenue		50	50							3 - Medium					
Carmike Cinemas 10	5020 Millertown Pike		40	40							2 - High					
Carousel II	1501 White Avenue	X	-	-		1			1		4 - Low					No food production at facility.
Carter Elementary School	9304 College Lane		1000, 500		1500	1			1		3 - Medium					
Carter High School	210 Carter School Road		2000		2000	1			1		3 - Medium					
Carter Middle School	204 Carter School Road		1500		1500	1			1		3 - Medium				1	FSF installed new 1500 GI
Casa Don Gallo	7741 Northshore Drive Suite 108		1500		1500	3		2	1		2 - High		1			
Cassidy's Country Deli	6409 Chapman Highway	X	30	30							4 - Low					FSF is closed.
Catholic Charities of East TN.	3009 Lake Brook Boulevard		1000		1000	6		4	1	1	3 - Medium				1	FSF installed new 1000 GI.
Catinella's	1200 Kenesaw Avenue	X	40	40							4 - Low					
Central Baptist Church Early Child Ctr.	5364 N. Broadway		1000, 40	40	1000	2			2		3 - Medium					
Central Baptist Church of Bearden	6300 Deane Hill Drive		40, 40, 30	40, 40, 30		1			1		3 - Medium					
Central Flats and Taps	1204 N. Central Avenue		50	50		2	1	1			3 - Medium					
Central High School	5321 Jacksboro Pike		4000		4000	1			1		3 - Medium					
Central Park	4417 Western Avenue		1000		1000	1			1		3 - Medium					
Central United Methodist Church	201 E. 3rd Avenue		1000		1000	1				1	4 - Low					
Chadwick's Churn	7409 Middlebrook Pike	X	40	40		1			1		3 - Medium					FSF is closed.
Chaiyo's Thai & Sushi	601 James Agee Street		40	40						1	2 - High					
Chandler's Deli	3101 Magnolia Avenue		40	40		1			1		3 - Medium					
Chapman Learning Center	5101 Chapman Highway		40	40		1			1		3 - Medium					
Charleys Grilled Subs	7600 Kingston Pike		60	60		2			1	1	3 - Medium					

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Cheddars	5615 Clinton Highway		3000		3000	1				1	3 - Medium					
Cheddars (Kingston Pk)	8390 Kingston Pike		3000		3000	1	1				3 - Medium				2	New FSF
Chef Ben Hibachi & Chinese	5210 N. Broadway Street		150, 50	150, 50		3	1			2	2 - High				2	New FSF
Chepa's Mexican Restaurant	4550 Chapman Highway	X	40	40		1			1		4 - Low					FSF is closed.
Cherokee Country Club	5138 Lyons View Pike		1000		1000	2			1	1	3 - Medium					
Cherokee Health Systems	2018 Western Avenue	X	1500		1500	1			1		4 - Low					No food production at facility.
Chesapeake	500 Henley Street		1000		1000	1			1		3 - Medium					
Chez Guevara	8025A Kingston Pike		1500		1500	1			1		4 - Low					
Chez Liberty	5200 Kingston Pike		1500		1500	1			1		3 - Medium					
Chicago Grill	4550 Chapman Highway	X	-	-		1			1		4 - Low					FSF is closed.
Chick-fil-A	4944 Kingston Pike		2000		2000	1					3 - Medium				1	New FSF
Chick-fil-A	7063 Kingston Pike		1500		1500	1			1		3 - Medium					
Chick-fil-A	800 South Gay Street P365	X	150	150		2			1	1	3 - Medium					FSF is closed.
Chick-fil-A (Knox Center)	3001 Knoxville Center Drive		75	75		2			1	1	3 - Medium					
Chick-fil-A (West Town Mall)	7600 Kingston Pike		50	50		2			1	1	3 - Medium					
Child & Family Tennessee - Haslam Ctr	3006 Lakebrook Boulevard		1000		1000						3 - Medium					
Children At Play Learning Center	2440 Magnolia Avenue		30	30							3 - Medium					
Children's Center of Knoxville	301 Frank Street		40	40		2			1	1	3 - Medium					
Chilhowee Elementary School	5005 Asheville Highway		1500		1500	1			1		3 - Medium					
Chili's	6635 Clinton Highway		1500		1500	3		1	2		3 - Medium	1				
Chili's Restaurant #34	7304 Kingston Pike/The Gallery		1500		1500	1			1		3 - Medium					
China City Restaurant	4704 Asheville Highway	X	40	40		2			2		4 - Low					FSF is closed.
China Garden	5156 Clinton Highway	X	1000		1000	1			1		2 - High					FSF is closed.
China Pearl	6450 Kingston Pike	X	1500		1500	1			1		4 - Low					FSF is closed.
Chipotle Mexican Restaurant	1701 Cumberland Avenue.		75,75	75,75		1				1	3 - Medium					
Chop House	4870 Harvest Mill Way		2000		2000	2			1	1	3 - Medium					
Christenberry Elementary School	927 Oglewood Avenue		1000		1000	1			1		3 - Medium					
Christenberry North	1008 Breda Street		1000		1000	2		1	1		3 - Medium					
Chuck E Cheese #055	8225 Kingston Pike		1500		1500	2			1	1	3 - Medium					
Church Street UMC (Kitchen)	900 Henley Street		40	40		3			2	1	0 - No option					
Ci Ci's Pizza	2885 Tazewell Pike		1000		1000	1			1		3 - Medium					
Ci Ci's Pizza	8414 Kingston Pike		1000		1000	1			1		3 - Medium					
Cinnabon (West Town)	7600 Kingston Pike		30	30		3		2	1		3 - Medium	1	1			
Cities Cupcake Boutique	5201 Kingston Pike Suite 3		60	60		2			1	1	3 - Medium					
City/County Building Jail Kitchen	300 West Hill Avenue		1500		1500	2			2		3 - Medium					
Clarion Inn	5634 Merchant Center Blvd.		40	40		1			1		3 - Medium					
Clinton Chapel AME Zion Church	546 College Street	X	-	-		1			1		4 - Low					No food production at facility.
Club Exile	4928 Homborg Place		50	50		2	1	1			2 - High					New FSF
Club Exotic	315 Mohican Street		50	50		1	1				3 - Medium					New FSF
Club Leconte	800 S. Gay Street Suite 2700		100,100	100,100		4			2	2	0 - No option					
Coffee & Chocolate	327 Union Avenue		30	30							0 - high					
Coffee Cup Café	4700 Holston Drive	X	40	40							4 - Low					FSF is closed.
Cold Stone Creamery	6630 Kingston Pike	X	40	40		1			1		4 - Low					FSF is closed.
College Hill Seventh Day Adventist Church	1837 Brandau Street	X	-	-		1			1		4 - Low					No food production at facility.
Colonel's Delicatessen	4809 Newcom Avenue		40	40		1			1		3 - Medium					
Columbus Home	3227 Division Street	X	-	-		1			1		4 - Low					No food production at facility.
Comfort Suites Hotel	7230 Regions Lane	X	40	40							4 - Low					No food production at facility.
Continuum Courtyard (Inskip)	815 E. Inskip Road		100	100		1			1		3 - Medium					
Continuum Courtyard (Parkway)	1029 W. Parkway Avenue		100	100		1			1		3 - Medium					
Cook Out (Cumberland)	2135 Cumberland Avenue		1500		1500	2		1	1		3 - Medium					
Cook Out (Kingston Pike)	6920 Kingston Pike		1000		1000	1			1		3 - Medium					
Cool Beans Restaurant	1817 Lake Avenue		1000		1000	1			1		3 - Medium					
Coolato Gelato's Italian Ice	524 S. Gay Street		6500	50		1			1		4 - Low					FSF shares grease trap and exceeded trap size requirements.
Copa Cabana Sports Bar	2619 Chapman Highway	X	30	30		1			1		3 - Medium					FSF is closed.
Copper Cellar / Cumberland Grill	1807 West Cumberland Avenue		2000		2000	1			1		3 - Medium					
Copper Cellar Commissary	3001 Industrial Parkway		1000		1000						3 - Medium					
Corner Market	1102 Maryville Pike	X	50	50		1			1		4 - Low					FSF is closed.
Country Inn & Suites	7525 Crosswood Blvd.	X	-	-							4 - Low					No food production at facility.
Country Kitchen	1108 Beaumont Ave.	X	40	40		1			1		4 - Low					FSF is closed.
Country Table Restaurant	1807 North Cherry Street	X	40	40		1			1		4 - Low					FSF is closed.
Court South (Alcoa Hwy)	2934 Alcoa Highway		40	40							4 - Low					FSF prepares food only during summer pool season.
Court South (Merchants)	5621 Merchant Drive	X	30	30		1			1		4 - Low					No food production at facility.
Couva Calypsa Café	7805 Montvue Centerway	X	1500		1500	1			1		4 - Low					
Coyote Joes	5640 Clinton Highway		20	20		3		2	1		3 - Medium	1	1			
Cozymel's Restaurant	7727 Kingston Pike	X	1000		1000	1			1		4 - Low					FSF is closed.
Cracker Barrel # 546	2920 South Mall Road		1000		1000	2			2		3 - Medium					
Cracker Barrel #12	5001 Central Avenue Pike		1500		1500						3 - Medium					
Cracker Barrel #170	1510 Cracker Barrel Lane		1500		1500	2			1	1	3 - Medium					
Creative Catering	2400 N. Central Avenue	X	50	50		2			2		3 - Medium					FSF is closed.
Cross Ministries	7419 Ball Camp Pike	X	1000		1000	1			1		4 - Low					No food production at facility.
Cueva Bar	3101 Sutherland Avenue	X	-	-		1			1		4 - Low					No food production at facility.
Cumberland House Hotel	1109 White Ave		3000		3000	1			1		3 - Medium					
Cumberland Tap Room	2200 Cumberland Ave.	X	30	30		1			1		4 - Low					FSF is closed.
Dairy Queen	2520 Loves Creek Road	X	1000		1000						4 - Low					
Dalawah Hut African Shop	1937 Magnolia Avenue	X	-	-		1			1		4 - Low					FSF is closed.
Dara's Garden	2637 Maryville Pike	X	-	-							4 - Low					No food production at facility.
Darwin's Den	513 N. Seventeenth Street	X	**	40		4	1	2	1		4 - Low					Was under enforcement but closed.
Dave's Dog House #2	7409 Middlebrook Pike		30	30		3	1	1		1	4 - Low					

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DaVinci's Pizza (Central)	113 South Central Avenue		40	40							3 - Medium					
DaVinci's Pizza (Sutherland)	3337 Sutherland Avenue		2000		2000	2			1	1	3 - Medium					
Days Inn	5423 Asheville Highway	X	-	-		1			1		4 - Low					No food production at facility.
Days Inn	5434 Central Avenue Pike	X	-	-		1			1		4 - Low					No food production at facility.
Dazzo's Pizza	710 S. Gay Street		100, 50	100,50		2			2		0 - No option					
Dead End B.B.Q.	3621 Sutherland Avenue		1500		1500	1			1		3 - Medium					
Del Potosi Bakery Inc.	3709 Chapman Highway	X	40	40		2			2		4 - Low					FSF is closed.
Deli to Go	4705 Central Avenue Pike		30	30		2			1	1	3 - Medium					
Denton's Orange Drink	6914 Kingston Pike		1000		1000	1			1		3 - Medium	1				
Diamond Mobile Carwash & Deli	2908 Magnolia Avenue		1000		1000	1			1		3 - Medium					
Dippin Donuts	7044 Kingston Pike		1000		1000	1			1		3 - Medium					
Dixson's Bar B Que	1201 E Magnolia Avenue		40	40		1			1		3 - Medium					
Doan's Market & Deli	2539 Cecil Avenue		30	30		2			1	1	3 - Medium					
Dogwood Elementary School	705 Tipton Avenue		1000		1000						3 - Medium					
Domino's (Merchants)	412 Merchants Drive		1000		1000	2			2		3 - Medium					
Domino's (Middlebrook)	7419 Middlebrook Suite 101		1500		1500	1			1		3 - Medium					
Domino's Pizza	2104-2 Cumberland Avenue		40	40		2			1	1	3 - Medium					
Domino's Pizza	5420 Pleasant Ridge Road	X	30	30		1				1	3 - Medium					FSF is closed.
Domino's Pizza	6402 Asheville Hwy.		1000		1000	3	1		1	1	3 - Medium				1	New FSF
Domino's Pizza	7527 South Northshore Drive		40	40		1			1		3 - Medium					
Domino's Pizza #5466	900 N. Broadway		40	40		2			1	1	3 - Medium					
Don Pablo's	2916 Knoxville Center Drive		1000		1000	1			1		3 - Medium					
Donna's Group Daycare	713 Brown Mountain Loop Road	X	-	-		1			1		4 - Low					No food production at facility.
Doodles	5000 Clinton Hwy	X	500		1500	7	1	6			4 - Low					New FSF. FSF is remodeling.
Double D Pub & Grub	5903 Chapman Highway	X	30	30		1			1		3 - Medium					FSF is closed.
Downtown Grill and Brewery	424 S.Gay Street Suite 200		150	150		3		1	1	1	0 - No option					
Downtown Grind	418 S.Gay Street		30	30		3		1	2		4 - Low					
Duncan Cafe/ Duncan Building	710 S. Locust Street		40	40		1			1		3 - Medium					
Dunkin Donuts	1521 White Avenue		3000		1500				1		3 - Medium					New FSF
Dunkin Donuts	7124 Kingston Pike		1500		1500	2			1	1	3 - Medium					
Dynasty Express #2	1647 Cumberland Avenue	X	30	30		1			1		3 - Medium					FSF is closed.
Dynasty Express/ Fountain City	4911 N. Broadway		40	40		1				1	3 - Medium					
E. Anderson Market	325 E. Anderson Avenue	X	-	-		1			1		4 - Low					FSF never opened.
E. M. Jellinek	130 Hinton Avenue		1000		1000	1				1	3 - Medium					
Earthfare #405	140 N. Forest Park Boulevard		1500		1500	2			1	1	3 - Medium					
East Knox Elementary School	9315 Rutledge Pike		1500		1500	1			1		3 - Medium					
East Tennessee Children's Hospital	2018 Clinch Avenue		2000		2000	1			1		3 - Medium					
East TN Regional Juvenile Service Cent.	3321 Division Street		2000		2000	1			1		3 - Medium					
Echo Bistro & Wine	5803 Kingston Pike		1000		1000	2			1	1	3 - Medium					
Econo Lodge	5505 Merchant Center Blvd.	X	-	-		1	1		1		4 - Low					No food production at facility.
Econo Lodge	7424 Strawberry Plains Pike	X	-	-		1			1		4 - Low					No food production at facility.
El Charro	6502 Kingston Pike		1500		1500	2			1	1	3 - Medium					
El Chico Restaurant #1	116 Cedar Lane		1000		1000	1			1		3 - Medium					
El Gallo	4821 B N. Broadway Avenue	X	1000		1000	1			1		4 - Low					FSF never opened.
El Mezcal Mexican Restaurant	118 Forest Park Boulevard		200	200		1			1		0 - No option					
El Mezon	2234 Keith Avenue	X	40	40		1			1		4 - Low					FSF is closed.
El Tenampa Garibaldi LLC	6547 Chapman Highway	X	30	30		1			1		4 - Low					FSF is closed.
Elmcroft of West Knoxville	8024 Gleason Road		1500		1500	1			1		3 - Medium					
Emmanuel United Pres. Church	3023 Selma Avenue	X	-	-		1			1		4 - Low					No food production at facility.
Entertainer Catering	1209 Heiskell Avenue		100	100		1			1		0 - No option					
Ephesus Mediterranean Grill	1823 Cumberland Avenue		30	30		2			1	1	3 - Medium					
Eternal Life Harvest Café	2410 Martin Luther King Blvd.	X	1000		1000	1			1		4 - Low					FSF has closed.
Evangelical Bookstore	4914 N. Broadway	X	30	30		1			1		4 - Low					FSF has closed.
Fair Garden Elementary School	400 Fern Street		500		500	1			1		3 - Medium					
Fairfield Inn By Marriott Food Svc	1551 Cracker Barrel Lane	X	-	-		1			1		4 - Low					No food production at facility.
Faith Christian Fellowship	3702 Knox Lane	X	-	-		1			1		4 - Low					No food production at facility.
Fan Chao	5018 Kingston Pike	X	1500		1500	3	1		1	1	3 - Medium	1				New FSF. FSF is closed.
Farley Burgers	7600 Kingston Pike	X	40	40		1			1		4 - Low					FSF is closed.
Fats BBQ	2701 Whittle Springs Road	X	40	40		1			1		4 - Low					FSF is closed.
Favorite Market	4323 Chapman Highway	X	-	-		1			1		4 - Low					No food production at facility.
Fifth Avenue Baptist Church	2500 Fifth Avenue		100**	200		2		1	1		2 - High					Working with FSF to install proper GCE
Fifth Avenue Deli & Mkt.	837 N. Fifth Ave.	X	-	-		1			1		4 - Low					FSF is closed.
FireDog Market & Deli	310 Thirteenth Street	X	-	-		1	1				3 - Medium					FSF is closed.
FireHouse Subs	128 Buckingham Drive		50	50		1			1		3 - Medium					
Firehouse Subs	4419 Western Avenue		50	50		1			1		3 - Medium				1	
Firehouse Subs	4916 Kingston Pike		50	50		1			1		3 - Medium	1				
Firehouse Subs	5226 N. Broadway		1500		1500	2			1	1	3 - Medium					
Firehouse Subs #191	1708 Cumberland Avenue		40	40		1			1		3 - Medium					
First Christian Church	211 West Fifth Avenue	X	-	-		1			1		4 - Low					No food production at facility.
First Lutheran Church and School	1207 N. Broadway		40	40							2 - High					
First Step II Inc. Young Adventurers	520 Sevier Avenue		40	40							3 - Medium					
First Steps II	4605 Old Broadway	X	-	-		1			1		4 - Low					FSF is closed.
First United Methodist Church	3316 Kingston Pike		40,100	40,100		2			2		0 - No option					
Five Guys Burgers	101 Brookview Center Way Suite 101		1500		1500	1			1		3 - Medium					
Florence Crittenton Agency Inc.	1531 Dick Lonas Road		1500		1500	4		3		1	3 - Medium				1	
Flour Head Bakery	5424 Middlebrook Pike		30	30		1	1				3 - Medium					New FSF
Food City	284 Morrell Road		1000		1000	1			1		3 - Medium					
Food City	4580 Chapman Highway	X	1000		1000	2			2		4 - Low					FSF is closed.

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Food City # 673	4216 N. Broadway Avenue		1500		1500	1			1		3 - Medium	1				
Food City # 677	5078 Clinton Highway		1500		1500	2		1	1		3 - Medium	1				
Food City # 678	5801 Western Avenue		1000		1000	1			1		3 - Medium					
Food City #655	7510 Asheville Highway		1000		1000	1			1		3 - Medium					
Food City #674	5941 Kingston Pike		1000		1000	2		1	1		3 - Medium					
Food City #676	1950 Western Avenue		2000		2000	2			1	1	3 - Medium					
Food City #685	4805 N. Broadway		1000		1000	2			1	1	3 - Medium					
Food City #689	2939 Alcoa Highway	X	1000		1000	1			1		3 - Medium					FSF is closed.
Food City/ Loves Creek	2712 Loves Creek Road		1000		1000	1			1		3 - Medium					
Food Lion (Centerline Drive)	4728 Centerline Drive	X	1000		1000	1			1		3 - Medium					FSF is closed.
Fort Sanders Educational	501 S. 21st Street		50	50		1			1		3 - Medium					
Fort Sanders Hospital	1901 Clinch Avenue		1500		1500	2			2		3 - Medium				1	
Fountain City Creamery	114 Hotel Avenue		30	30		1			1		3 - Medium					
Fountain City Diner	3029 Tazewell Pike		2000		2000	3			1	2	3 - Medium					
Fountain City Elementary School	2910 Montbelle Drive		1000		1000	1			1		3 - Medium					
Fountain City Pres. Church Childcare	500 Hotel Avenue		-	-		1			1		4 - Low					No food production at facility.
Fountain City UM Church	212 Hotel Avenue	X	-	-		1			1		4 - Low					No food production at facility.
Fox's Pizza	7664 S. Northshore Drive	X	50	50		1			1		4 - Low					FSF is closed.
Freedom Christian Academy	4615 Asheville Highway		1000		1000	1			1		3 - Medium					
Fresh Market & Deli	2418 N. Central Avenue		20	20							3 - Medium					
Froyoz	5228 N. Broadway		1500		1500						3 - Medium					
Froyoz (Clinton Hwy.)	6631 Clinton Highway		50	50		1			1		4 - Low					
Froyoz (Forest Park)	124 N. Forest Park Blvd.		40	40		2			1	1	4 - Low					
Frullati Café	7600 Kingston Pike	X	30	30		1			1		3 - Medium					FSF is closed.
Frussies Deli	133 Moody Avenue		20	20		1			1		3 - Medium					
Fulton High School	2509 Broadway, N.E.		1000		100	1			1		3 - Medium					
Garelli's #2	2044 N. Broadway	X	40	40		1			1		4 - Low					FSF is closed.
Garrett's Downtown Deli	800 S. Gay Street		50	50		1			1		3 - Medium					
Gavino's	5211 Kingston Pike		1500		1500	2	1	1			3 - Medium					New FSF
Gino's Pizza & Subs	7328 Middlebrook Pike		30	30		2			1	1	3 - Medium					
Ginza Japan Steakhouse & Grill	1612 Downtown West Boulevard	X	1000		1000	2			2		4 - Low					FSF is closed.
Goal Post Tavern	1824 Cumberland Avenue		1000		1000	1			1		3 - Medium					
Godfrey's Restaurant (Holiday Inn Express)	525 Henley Street		150	150		1			1		0 - No option					
Golden City Restaurant	6535 Kingston Pike	X	60,60	60,60		1			1		3 - Medium					FSF is closed.
Golden Garden Chinese Restaurant	5737 Western Avenue		40	40		1			1		3 - Medium					
Golden Roast	825 Melrose Place		30**	100,100		3		1	2		4 - Low					Working with FSF to install proper GCE
Golden Sisha	609 James Agee Street	X	-	-		2	1		1		4 - Low					FSF is closed.
Golden Wok	7116 Strawberry Plains Pike		1000		1000	1			1		3 - Medium					
Gordo's Catering	3009 N. Central Avenue		40	40		1			1		4 - Low					
Gosh Ethiopian Restaurant	3609 Sutherland Avenue		50	50		1			1		3 - Medium					
Granny Bea's	3801 Western Avenue		1000		1000	3	1		1	1	3 - Medium					
Great American Cookie Company	3001 Knoxville Center Drive		30	30		1			1		3 - Medium					
Great American Cookies (West Town)	7600 Kingston Pike		30	30		2			1	1	3 - Medium					
Great American Steak & Buffet Co.	900 Merchants Drive		2000		2000	1				1	3 - Medium					
Great Greenhill Pasta	2400 N. Central Ave.		40	40		1	1				3 - Medium					New FSF remodeling building.
Great Wraps	1838 Cumberland Avenue	X	50	50		1			1		3 - Medium					FSF is closed.
Green Magnet Math and Science Academy	800 Townview Drive		1500		1500	1			1		3 - Medium					
Gresham Middle School	500 Gresham Road		1000		1000	1			1		3 - Medium					
Grill Express	5103 Kingston Pike	X	20	20		1			1		3 - Medium					FSF is closed.
GSA Court House Cafe/Federal Court Building	800 Market Street	X	1000		1000	1			1		2 - High					FSF is closed.
Gunnies Restaurant and Sports Bar	1812 Maryville Pike		20	20		2			1	1	3 - Medium					
Gus's Good Time Deli	815 Melrose Place		20	20		2			1	1	3 - Medium					
Guthrie's	2135 Cumberland Avenue	X	1500		1500	1			1		4 - Low					FSF is closed.
Habanero Mexican Restaurant	4704 Asheville Highway		1500		1500	1	1				3 - Medium				1	New FSF
Half Barrel	1829 Cumberland Avenue		1500		1500	3		1	2		1 - Unacceptable	1				
Ham 'N' Goodys, Inc.	314 Northshore Drive		40	40		3		1	1	1	3 - Medium					
Hampton Inn	7445 Sawyer Lane		50	50		2			1	1	3 - Medium					
Hampton Inn & Suites	5411 Pratt Road		1500		1500	1			1		4 - Low					FSF exceeded grease interceptor size requirement.
Hana's Market	1311 Tennessee Avenue	X	40	40		1	1				4 - Low					FSF is closed.
Handy Dandy Market #5	3215 S. Haven Road		40	40		2			1	1	3 - Medium					
Hanna's Cafe #2	102 South Central Avenue		30	30							3 - Medium					
Happy Garden Chinese	1510 North Cherry Street		1000		1000						3 - Medium					
Harby's Pizza & Deli	3718 Walker Boulevard		30	30		1			1		3 - Medium					
Hard Knox Pizza	4437 Kingston Pike		50	50		2			1	1	3 - Medium					
Hardee's #1501786	2919 Tazewell Pike		1000		1000	1			1		3 - Medium					
Hardee's #1501798	3318 Chapman Highway		1000		1000	1			1		3 - Medium					
Hardee's #1501829	2930 Alcoa Highway		1000		1000	1			1		3 - Medium					
Hardee's #1501837	3718 Western Avenue		1500		1500	2		1	1		3 - Medium				1	
Hardee's Knoxville #1501785	3926 Asheville Highway		1000		1000	1			1		3 - Medium					
Hardee's Restaurant	7201 Kingston Pike		1500		1500	3		2	1		3 - Medium				1	
Haru Hibachi and Sushi	5211 Kingston Pike	X	1500		1500	1			1		4 - Low					FSF is closed.
Harvest Echo Ridge Retirement Residence LLC	8458 Gleason Road		1500		1500	2			1	1	3 - Medium					
Head Start (Prospect)	4808 Prospect Rd		1000		1000	3		1	1	1	3 - Medium					
Head Start Helen Ross	2247 Western Avenue		100	100		2			1	1	2 - High					
Hemphill's Market & Deli	2549 Holbrook Drive		10	10		2			1	1	4 - Low					
Heritage Assisted Living	1585 Coleman Road		1000		1000	1			1		3 - Medium					
Hibachi Factory (Cumberland)	1815 Cumberland Avenue		20	20		2			1	1	3 - Medium					
Hibachi Factory (Downtown West)	1645 Downtown West Boulevard # 40		60	60		1			1		3 - Medium					

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Higher Grounds	625 S. Gay Street		30	30							4 - Low					
Hillcrest Health Care North	5325 Beverly Park Circle		500, 2000		2500	2			2		3 - Medium					
Hillcrest South	1758 Hillwood Avenue		500, 1500		2000	3			3		3 - Medium					
Hillcrest West	6801 Middlebrook Pike		1500		1500						3 - Medium					
Ho Ho Chinese Restaurant	1723-B Cumberland Avenue	X	20	20		2			2		4 - Low					FSF is closed.
Hogan's Bakery LLC	5424 Middlebrook Pike	X	30	30		1			1		3 - Medium					FSF is closed.
Holiday Inn Express	730 Rufus Graham Road	X	-	-		1			1		4 - Low					FSF is closed.
Holly's Eventful Dining	5032 Whitaker Avenue		1000		1000	2			1	1	3 - Medium					
Holston Grill	4680 Holston Drive	X	30	30		1			1		4 - Low					FSF is closed.
Holston Healthcare	3916 Boyds Bridge Pike		1000		1000	4		1	1	2	3 - Medium					
Holston Hills Country Club	5200 Holston Hills Road		1000		1000						3 - Medium					
Holston Middle School	600 Chilhowee Drive		1500		1500	1			1		3 - Medium					
Holy Ghost Catholic Church	1041 N. Central Avenue		100	100							4 - Low					
Holy Land Market	3601 Sutherland Avenue		50	50		2			2		3 - Medium					
Homewood Residence at Deane Hill	401 Catherine McCuley Way		1000		1000	1			1		3 - Medium					
Honey Baked Ham #2	5308 Washington Pike		1500		1500	1			1		3 - Medium					
Honey Baked Ham Company	7205 Kingston Pike		1000		1000	1			1		4 - Low					
Hong Kong House	8079 Kingston Pike	X	1000		1000	2			2		2 - High					FSF is closed.
Hooter's #2 Merchant Wings, LLC	5005 Central Avenue Pike		1500		1500	3				3	3 - Medium					
Hooter's Restaurant	8050 Kingston Pike		1000		1000	1			1		3 - Medium					
Hott Rod's	2909 Alcoa Highway	X	50	50							3 - Medium					
House Of Dragon	1907 Cumberland Avenue	X	20	20		1			1		4 - Low					FSF is closed.
House of Thaller	1600 Harris Road		1000		1000	1			1		2 - High					
Huddle House	7606 Rutledge Pike	X	-	-							4 - Low					FSF is closed.
I Love N Y Pizza	6518 Chapman Highway		40	40		1			1		3 - Medium					
Icon Ultra Lounge	815 E. Clinch Avenue		50	50		1	1				3 - Medium					New FSF
Indian Grocery	8078 Kingston Pike	X	-	-		1	1				4 - Low					No food production at facility.
Ingles	215 Cedar Lane		1000		1000	7		5	1	1	3 - Medium				1	FSF installed new 1000 GI.
Inskip Community Pool	4204 Bruhin Road	X	-	-		1			1		4 - Low					No food production at facility.
Inskip Elementary School	4701 High School Street		1000		1000						3 - Medium					
Inskip Food Mart	400 East Inskip Road		50	50							3 - Medium					
Inskip Grill	101 E. Inskip Suite C		40	40		2				1	3 - Medium					
International House of Pancakes	7218 Kingston Pike		2000		2000	1			1		3 - Medium					
International House of Pancakes #1	5604 Merchants Drive		1000		1000	1			1		3 - Medium					
Isabella Towers	1515 Isabella Circle	X	-	-		1			1		4 - Low					No food production at facility.
It's All About The Fudge	6901 Asheville Highway	X	20	20		1			1		4 - Low					FSF is closed.
J&D's Soul Food	1908 Schofield Street	X	40	40		1			1		3 - Medium					FSF is closed.
Jack' Breeze Thru Market	1103 Tennessee Avenue	X	40	40		1			1		4 - Low					FSF is closed.
Jacob's Building Snack Bar 1	3301 E. Magnolia Avenue	X	**	40		2			2		3 - Medium					Working with FSF to install proper GCE
Jacob's Time-Out Deli	5307 Middlebrook Pike		40	40		2			1	1	3 - Medium					
Jason's Deli	2120 Cumberland Avenue		2000		2000	2			1	1	3 - Medium					
Jason's Grill & Deli	900 Kermit Dr.	X	40	40		1			1		4 - Low					FSF is closed.
Jazzy Lynn	4680 Holston Drive		30	30		1			1		3 - Medium					
Jets Pizza	7331 Kingston Pike		50	50		3		1	1	1	3 - Medium					
Jimmy John Gourmet Sandwiches	1903 Cumberland Avenue		40	40		1			1		3 - Medium					
Jimmy John's Gourmet Sandwiches	5525 Clinton Hwy.		50	50		2	1		1		3 - Medium				1	New FSF
Jimmy's Original Southern Pub	2917 Tazewell Pike		20	20		2			1	1	3 - Medium					
Jim's Amish Food	3001 Knoxville Center Blvd.		20	20		2	1	1			4 - Low				1	New FSF
JMS Concessions	5912 Holston Hills Road	X	-	-		1			1		3 - Medium					FSF is closed.
John T. O'Connor Senior Citizens Center	611 Winona Street	X	40	40		1			1		4 - Low					No food production at facility.
Judy Ann's Deli	2833 Western Avenue	X	20	20		1			1		3 - Medium					FSF is closed.
Just Ripe Market	513 Union Avenue		150	150		1			1		0 - No option					
Kanpai of Tokyo	1645 Downtown West Boulevard		1500		1500	2			1	1	3 - Medium					
Kats on the River	1317 Island Home Avenue		20	20		1	1				4 - Low					New FSF
Kat's Sports Bar	4942 Kingston Pike	X	20	20		1			1		4 - Low					FSF is closed.
Kaya Korean Restaurant	7818 Montvue Center		50	50		1			1		0 - No option					
Kay's Ice Cream	6200 Chapman Highway		30	30		1			1		3 - Medium					
Kenjo Market #11	1400 N. Central Avenue		40	40		1				1	3 - Medium					
Kenjo Market #12	3644 Sevierville Pike		40	40		1				1	3 - Medium					
Kenjo Market #30	6519 Chapman Highway		30	30		1				1	3 - Medium					
Kenjo Market #30	6519 Chapman Highway		30	30							3 - Medium					
Kenjo Market #31	3120 Chapman Highway		30	30		2			1	1	3 - Medium					
Kesha's Market & Deli	1406 Jackson Avenue	X	50	50							4 - Low					FSF is closed.
KFC	2918 N. Broadway		1000		1000	1			1		3 - Medium					
KFC	4200 Chapman Highway		1500		1500	1			1		3 - Medium					
KFC	2456 E. Magnolia Avenue	X	1000		1000	3			3		3 - Medium					FSF is closed.
KFC (Shumard)	1030 Shumard Road		1500		1500						3 - Medium					
KFC/Millertown	5266 Millertown Pike		1500		1500	2		1	1		3 - Medium	1				
KFC/Western	4419 Western Avenue		1500		1500	1			1		3 - Medium	1				
Kichi Sushi & Noodle	7600 Kingston Pike		50	50		2			1	1	3 - Medium					
Kick Shots Sports Bar	3810 Chapman Highway	X	50	50		1			1		4 - Low					FSF is closed.
Kids Incorporated	2355 Magnolia Avenue		30	30							4 - Low					
Kids Place-Camp	9140 Millertown Pike		40	40		1			1		3 - Medium					
Kimo's Pizza Shack	1539 White Avenue	X	40	40		1			1		4 - Low					FSF is closed.
King Tut's Grill	4132 Martin Mill Pike		40	40							3 - Medium					
Kings Market	1542 Texas Avenue		40	40		1			1		3 - Medium					
King's Market # 2	1300 West Baxter Avenue	X	30	30		1			1		3 - Medium					No food production at facility.
Kitts Market Cafe	4620 Greenway Drive		1500		1500	1			1		3 - Medium					

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Kiwanis-East II Head Start	2330 Prosser Road		1000		1000	2			1	1	3 - Medium					
Knotheads Café and Deli	8534 Asheville Highway	X	40	40		2			2		3 - Medium					FSF is closed.
Knox Area Rescue Ministries	418 N. Broadway		2000		2000	2			1	1	3 - Medium					
Knox County Detention Facility	5001 Maloneville Road		1500		1500	1				1	3 - Medium					
Knox-Knox Co. CAC Head Start - Claxton West	2400 Piedmont Street		1000		1000						3 - Medium					
Knoxville Adaptive Education Center	5719 Kingston Pike		1500		1500	1			1		3 - Medium					
Knoxville Billiards	3920 Chapman Highway	X	20	20		1			1		4 - Low					FSF is closed.
Knoxville Catering & Special Events	150 N. Martinwood Drive	X	40	40		1			1		4 - Low					FSF is closed.
Knoxville Center Mall	3001 Knoxville Center Drive		1500		1500	1			1		3 - Medium					
Knoxville Chinese Christian Church	901 Francis Road		1000		1000						3 - Medium					
Knoxville Coliseum	500 Howard Baker Jr. Avenue		20	20		1				1	4 - Low					
Knoxville College Cafeteria	901 College Street		60	60		2			1	1	3 - Medium					
Knoxville Convention Center (Main Kitchen)	701 Henley Street		1500, 1500, 50	50	3000	4			3	1	3 - Medium					
Knoxville Elks Lodge #160	6000 Lonas Road		40	40							3 - Medium					
Knoxville Expo Center	5441 Clinton Highway		40, 1500		1500	1				1	3 - Medium					
Knoxville Food and Drink	4541 Kingston Pike	X	1500		1500	1			1		4 - Low					FSF is closed.
Knoxville Golf Course	3925 Schaad Road		40	40		3		1	1	1	3 - Medium					
Knoxville Hilton (Market Cafe & Marty's Bistro)	501 West Church Avenue		250	250		2			1	1	0 - No option					
Knoxville Pearl	108 E. Jackson Avenue	X	*	*		2			2		3 - Medium					No food production at facility.
Knoxville Racquet Club	5535 Lonas Road		40	40		2			1	1	4 - Low					
Knoxville Zoological Gardens	3500 Knoxville Zoo Drive		500, 40	40	500						3 - Medium					
Knoxville-Knox County ActionCommunity Mobile Meals	1747 Reynolds Street		1500		1500	2			2		3 - Medium					
Koi Fuzion/Coco Moon	19 Market Square		100, 100**	100, 100		2			2		0 - No option	1				**FSF is in enforcement.
Korea House Restaurant	1645 Downtown West Boulevard #37	X	40	40		1			1		3 - Medium					FSF is closed.
Krispy Kreme	4842 N. Broadway		1000		1000	2		2			3 - Medium					
Krispy Kreme	6201 Kingston Pike		2000		1000	1				1	3 - Medium					
Kroger	4414 Asheville Highway		1000		1000	3			2	1	3 - Medium					
Kroger # 506	2217 N. Broadway		50	50		1			1		3 - Medium					
Kroger # 516	5003 N. Broadway Avenue	X	40	40		1			1		4 - Low					FSF is closed.
Kroger # 848	4918 Kingston Pike		1000		1000	2		1	1		3 - Medium	1				
Kroger # 870	4440 Western Avenue		20	20		2		1	1		3 - Medium					
Kroger #531	4409 Chapman Highway		1500		1500	1			1		3 - Medium					
Kroger Super Store	5201 N. Broadway		1500		1500						3 - Medium					
Krystal # 13	3910 Western Avenue		1000		1000	1			1		3 - Medium					
Krystal # 6	5219 Clinton Highway		1500		1500	1			1		3 - Medium					
Krystal # 7	4100 Chapman Highway		1000		1000	1			1		3 - Medium					
Krystal #4	2815 North Broadway Avenue		1000		1000	1			1		3 - Medium					
Krystal #KNXF14	5320 Millertown Pike		1000		1000	1			1		3 - Medium					
Krystal Co. #14	7215 Strawberry Plains Pike		1500		1500	1			1		3 - Medium				1	FSF installed new larger 1500 Gl.
Krystal Co. #2	1718 Cumberland Avenue	X	1000		1000						3 - Medium					
Kumba Kare	4404 Holston Drive	X	*	*		1			1		4 - Low					No food production at facility.
Kurt's	4928 Homberg Drive	X	60	60		1			1		3 - Medium					FSF is closed.
Kwik Pantry Food Stores	6222 Chapman Highway	X	20	20		1			1		4 - Low					No food production at facility.
La Esperanza Market #1	2412 Washington Pike		40	40		4			2	2	3 - Medium					
La Fiesta Mexican Grill	5707 Western Avenue		1000		1000	2		1	1		3 - Medium					
La Flor Mexican Bakery	4809 Newcome Avenue		40	40		1			1		3 - Medium					
La Haeinda Mexican Restaurant	3105 Alcoa Hwy	X	1000		1000	1			1		4 - Low					FSF is closed.
La Huasteca Market	2525 Chapman Highway		40	40		3		1	1	1	3 - Medium					
La Palma De Oro	6631 Clinton Highway Suite 105A		1500		1500	10		6	3	1	2 - High	1			1	FSF install new larger 1500 Gl.
La Quinta Inn & Suite	7210 Sadlerack Street	X	*	*							4 - Low					No food production at facility.
La Rumba Restaurante & Bar	4900 Chambliss Avenue		1500		1500	1			1		3 - Medium					
La Tortilla Market	3603 Chapman Highway	X	40	40							3 - Medium					
Lakeshore Mental Health Institute	5908 Lyons View Drive	X	200	200		2			1	1	0 - No option					No food production at facility.
Lance's Cafe (Ford Dealership)	4101 Clinton Highway		60	60		1			1		3 - Medium					
Lariat Lounge	4618 Asheville Highway	X	40	40		1			1		4 - Low					FSF is closed.
Las Cazeulitas	5724 Clinton Highway	X	1500		1500						4 - Low					FSF is closed.
Latitude 35	16 Market Square		150, 50	150, 50		1			1		0 - No option	1				
Laurel Mountain Eatery	722 S. Gay Street		50	50		2			1	1	3 - Medium					
Lazy Bones	226 Andrew Johnson Hwy.	X	*	*		1	1				4 - Low					New business, no food production at facility.
Le Parigo Restaurant	416 W. Clinch Avenue	X	1000		1000						3 - Medium					
Lema's	3931 Holston Drive		40	40							3 - Medium					
Lenny's Sub Shop	4622 Kingston Pike		40	40		1			1		3 - Medium					
Lenny's Sub Shop	522 S. Gay Street Suite 101		6500	40		1			1		3 - Medium					FSF shares GI and has exceeded grease trap size requirement.
Lenny's Sub Shop	6631 Clinton Hwy, Suite 102	X	40	40		2			2		4 - Low					FSF is closed.
Lenny's Sub Shops	2901-G Tazewell Pike		40	40		1			1		3 - Medium					
Level 10	4525 Kingston Pike	X	2000		2000	1			1		4 - Low					FSF is closed.
Linda's Soul Café	1518 University Avenue	X	1500		1500	2	1		1		3 - Medium					New FSF. FSF is closed.
Little Caesars Pizza	2800 Magnolia Avenue		1000		1000	3			2	1	3 - Medium					
Little Caesars Pizza #052006	4434 Western Avenue		30	30		3			2	1	3 - Medium					
Little Caesar's Pizza #2803	4322 North Broadway		20	20		2			1	1	3 - Medium					
Little Caesar's Pizza #2808	4748 Centerline Drive		20	20		1				1	3 - Medium					
Little Italian Subs & Pizza	5104-A Kingston Pike	X	30	30		1			1		4 - Low					FSF is closed.
Litton's Market & Restaurant	2803 Essary Road		2000		2000	2			2		3 - Medium					
Logan's Roadhouse	201 Cedar Lane	X	1500		1500	1			1		4 - Low					FSF is closed.
Long John Silver's	4416 Western Avenue		1000		1000	2		1	1		2 - High	1				
Long John Silver's Seafood	2816 E. Magnolia Avenue		1000		1000	1			1		3 - Medium					
Long John Silver's Seafood	4833 N. Broadway Avenue		1500		1500	1				1	3 - Medium					
Longbranch Saloon	1848 Cumberland Avenue	X	*	*		1			1		4 - Low					No food production at facility.

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Long's Drug Store	4604 Kingston Pike		40	40		3		1	1	1	3 - Medium					
Lonsdale Dine-In & Carry-Out	1744 Texas Avenue	X	-	-		1			1		4 - Low					FSF is closed.
Lonsdale Elementary	1317 Louisiana Avenue		1500		1500						3 - Medium					
Lonsdale Market and Deli	3208 Rudy Street		1500		1500						3 - Medium					
Lorenas	4329 Lonas Road		10	10							3 - Medium					
Los Arcos Mexican Restaurant	2619 Chapman Highway	X	50	50							4 - Low					FSF is closed.
Los Lagos Bar & Grill	703 N. Cherry Street		40	40		1			1		3 - Medium					
Los Paisano's Mexican Restaurant	8078 Kingston Pike Suite 151		1000		1000	2			1	1	3 - Medium					
Louis' Restaurant	4661 N. Broadway		1000		1000	1			1		3 - Medium					
Love Kitchen	2418 Martin Luther King Jr. Avenue		70	70							2 - High					
Love That BBQ	1901 Maryville Pike		40	40		2	1			1	3 - Medium					New FSF
Lunch Box	800 South Gay Street	X	50	50		1			1		0 - No option					FSF is closed.
Lunch Box BankEast	607 Market Street		20	20		2			1	1	3 - Medium					
Lunch Box Cherokee Mills	2250 Sutherland Avenue Suite 125		50	50		3		1	1	1	3 - Medium					
Lunch Box Market & Cafe at the Atrium	1225 East Weisgarber Road		40	40		3		1	1	1	3 - Medium					
Lunch Box Market and Grill	6701 Baum Drive	X	1000		1000						4 - Low					FSF is closed.
Lunch House	3816 Holston Drive		30	30		2			2		2 - High					
Macleod's Restaurant & Pub	501 Market Street	X	40	40		2			2		4 - Low					FSF is closed.
Mac's Smokehouse Barbeque	5013 Chapman Highway	X	-	-		1			1		4 - Low					FSF is closed.
Magnolia Cafe	2405 Magnolia Avenue		40, 10	40, 10							3 - Medium					
Magnolia Cafeteria	4108 Ashville Highway	X	1500		1500	1			1		4 - Low					FSF is closed.
Magnolia Provisions	2013 Dutch Valley Drive		1000		1000	3			2	1	3 - Medium					
Magnuson's Hotel Restaurant	7621 Kingston Pike		40	40		1			1		0 - No option					
Magpies	846 N. Central Street		1500		1500	1			1		3 - Medium					
Mahogany's/ Crown Plaza	401 W. Summit Hill Drive		100	100		1			1		0 - No option					
Mainstay Suites	144 Merchants Drive	X	-	-		1			1		4 - Low					No food production at facility.
Makino	8217 Kingston Pike		1000		1000	1			1		3 - Medium					
Malibu 7 Restaurant & Dance	2514 Martin Luther King Jr. Boulevard		40	40							3 - Medium					
Mandarin House	314-J Merchants Drive		1000		1000	3		1	1	1	3 - Medium	1				
Mandarin House Restaurant	3001 Knoxville Center Blvd.		1000		1000	2		1	1		3 - Medium					
Mapco	4531 Chapman Highway		-	-		1			1		4 - Low					No food production at facility.
Marble Slab	14 Market Square	X	50	50		1			1		3 - Medium					FSF is closed.
Marble Slab & Creamery	4885 Broadway Avenue		40	40		1			1		3 - Medium					
Marble Slab Creamery	4835 Kingston Pike Suite 4849	X	40	40		1			1		3 - Medium					FSF is closed.
Marble Slab Creamery #2	7600 Kingston Pike	X	30	30		1			1		3 - Medium					FSF is closed.
Marcella's	2529 Martin Luther King Boulevard		40	40							3 - Medium					
Marcos's Pizza	3018 Tazewell Pike		1500		1500	3		1	1	1	3 - Medium	1	1			
Market Square Kitchen	1 Market Square	X	40	40		1			1		3 - Medium					FSF is closed.
Marriot Hotel	500 Hill Avenue		50	50		2			1	1	0 - No option					
Martha's Place	4624 Rutledge Pike	X	40	40		1			1		4 - Low					FSF is closed.
Maynard Elementary School	737 College Street		1500		1500	1			1		3 - Medium					
McAlister's #1126	2758 Schaad Road		1000		1000	1			1		3 - Medium					
McAlister's #2	232 Morrell Road		1000		1000	2		1	1		3 - Medium	1				
McAlister's Restaurant	1801 Cumberland Avenue	X	1000		1000	2		1	1		3 - Medium					FSF is closed.
McDonald's	4410 Western Avenue		1000		1000	1			1		3 - Medium					
McDonalds # 3925	322 Merchants Drive		1000		1000	1			1		3 - Medium					
McDonalds #10662	7402 Strawberry Plains Pike		1000**		2000	3		1	2		3 - Medium					FSF is remodeling
McDonalds #11484	6526 Chapman Highway	X	1000		1000	2			2		3 - Medium					FSF is closed.
McDonalds #11600	5055 North Broadway Avenue		1000		1000	1			1		3 - Medium					
McDonalds #1243	7030 Kingston Pike		2000		2000	1			1		3 - Medium					
McDonalds #2495	1720 Cumberland Avenue		2000		2000	3			3		3 - Medium					
McDonald's #264	2812 Magnolia Avenue		1000		1000	1			1		3 - Medium					
McDonalds #27127	7686 South Northshore Drive		1000		1000	1			1		3 - Medium					
McDonalds #288	3120 N. Broadway		2000		2000	1			1		3 - Medium					
McDonalds #392	2505 Chapman Highway		1000		1000	1			1		3 - Medium					
McDonalds (Walmart)	3051 Kenzel Road		2000		2000	1			1		3 - Medium					
McDonalds/ Millertown	5260 Millertown Pike		1000		1000	3			2	1	3 - Medium					
McDonald's/Walker Springs	206 Walker Springs Road		2000		2000	1			1		3 - Medium					
McDougal's Chicken	701 Seventeenth Street	X	1000		1000	1			1		3 - Medium					FSF is closed.
Mellow Mushroom	2109 Cumberland Avenue		1000		1000	1			1		3 - Medium					
Melting Pot	111 North Central Street		40	40							0 - No option					
Menchie's Frozen Yogurt	234 Brookview Centre Way		40	40		1				1	4 - Low					
Mer-Mer's Bakery	617 North Gay Street		40	40		2			1	1	4 - Low					
Messiah Lutheran Church	6900 Kingston Pike		1000		1000	1			1		4 - Low					
Metro Village Market	2410 Martin Luther King Blvd.	X	2000		2000	1			1		4 - Low					FSF is closed.
Mi Pueblo	1645 Downtown West Boulevard Suite 118		60	60		3		1	1	1	3 - Medium					
Mickey's	141 W. Anderson Avenue	X	40	40		1			1		4 - Low					FSF is closed.
Mick'Os	5210 E. Schburt Road Suite E	X	-	-		1			1		4 - Low					No food production at facility.
Middlebrook Market & Deli	2902 Middlebrook Pike		40	40		3			2	1	3 - Medium				1	
Midway Rehab Center	1515 Magnolia Avenue		100	100		3		1	1	1	0 - No option					
Millertown Boys Group Home	5711 Millertown Pike	X	-	-		1			1		4 - Low					No food production at facility.
Mirage	1901 Cumberland Avenue	X	100	100		1			1		0 - No option					FSF is closed.
Misaki Japanese Steak House	8207 Kingston Pike		2000		2000	2			1	1	3 - Medium					
Moe's Southwest Grill	1800 Cumberland Avenue		30	30		2		1	1		3 - Medium					
Mojoe's Trailside Coffee House	2920 Sutherland Avenue		40	40		1			1		3 - Medium					
Mojo's Southside Market	1316 Maryville Pike	X	-	-		1			1		4 - Low					FSF is closed.
Mom's Kitchen	1901 Maryville Pike	X	40	40		1			1		3 - Medium					FSF is closed.
Monterrey Mexican Restaurant	105 Cedar Lane		1000		1000	6		3	2	1	3 - Medium				1	FSF installed new larger 1500 Gl.

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Mooreland Heights Elementary	5315 Magazine Road		25	25							3 - Medium					
Motel 6	5640 Merchant Center Drive	X	-	-		1			1		4 - Low					No food production at facility.
Motel 6	1550 Cracker Barrel Lane	X	-	-							4 - Low					No food production at facility.
Mount Moriah FBH Church	2001 Western Avenue	X	-	-		1			1		4 - Low					No food production at facility.
Mount Olive Elementary	2507 Maryville Pike		800		800	1			1		3 - Medium					
Mr. Gattis #610	6909 Kingston Pike		40	40		1			1		2 - High	1				
Mrs Goodstuff's Cafe and Market	1008 Woodland Avenue	X	40	40		2		1	1		3 - Medium					FSF is closed.
Ms. D's Restaurant	2223 McCalla Avenue		30	30							3 - Medium					
Mt. Olive Baptist Church DCC	2500 Maryville Pike		1000		1000	2			2		3 - Medium					
My Village CDC	1600 Willoughby Road		50	50		4			1	3	0 - No option					
Nagoya Express Japanese Grill	815 Merchants Drive		30	30		1			1		3 - Medium					
Nama Sushi Bar	506 S. Gay Street		200	200		1			1		2 - High					
Nama Sushi Bar	135 S. Gay Street	X	100	100		1			1		4 - Low					FSF is closed.
Nama Sushi Bar (Kingston Pike)	5130 Kingston Pike		1000		1000	2			2		3 - Medium					
Naples Italian Restaurant	5500 Kingston Pike		1000		1000	1			1		3 - Medium					
Napoli Pizza & Grill	4409 Chapman Highway		30	30		3		1	2		3 - Medium	1				
National Guard Armory/ Kitchen	3320 Sutherland Ave.	X	50	50		1			1		4 - Low					No food production at facility.
Neighbor's Hot Dog Stand	615 Cedar Lane	X	40	40		1			1		4 - Low					FSF is closed.
New Amsterdam Bar & Grill	1836 Cumberland Avenue		40	40							0 - No option					
New China Restaurant	5003 Clinton Highway	X	30	30		2			2		3 - Medium					FSF is closed.
New Fellowship Church Academy	4624 Nora Road	X	-	-							4 - Low					No food production at facility.
New Visions Childcare	5233 Tillery Road	X	-	-		1			1		4 - Low					No food production at facility.
NHC Healthcare of Ft. Sanders	2120 Highland Avenue		1000		1000	2			2		3 - Medium					
Nicely's Tavern	1717 White Avenue	X	-	-		1	1				4 - Low					FSF is closed.
Night Owl Café	119 South Central Street	X	40	40		3			3		3 - Medium					FSF is closed.
Nixon's Deli	5118 N. Broadway	X	40	40		1			1		3 - Medium					FSF is closed.
Nixon's Deli	5716 Kingston Pike		40	40		1			1		3 - Medium					
Nixon's Deli	7419 Middlebrook Pike Suite 106		1500		1500	1			1		3 - Medium					
Nixon's Deli (Merchants)	508 Merchants Drive		30	30		2			1	1	3 - Medium					
Noah's Ark Daycare	1804 Allen Street	X	30	30		1			1		4 - Low					No food production at facility.
Noodles & Company	1700 Cumberland Avenue		1500		1500	4	1			3	3 - Medium					New FSF
North Hills Baptist Church	2901 Fairway Drive	X	-	-							4 - Low					No food production at facility.
Northaven Healthcare	3300 North Broadway		2000		2000	1			1		3 - Medium					
Northwest Middle School	5301 Pleasant Ridge Road		1000		1000						3 - Medium					
Norwood Elementary School	1909 Merchants Road		1500		1500						3 - Medium					
Oak Grove Lounge	6324 Asheville Highway	X	-	-		1			1		4 - Low					FSF is closed.
Oasis Buffet	2011 North Broadway		25	25		2			2		3 - Medium					
O'Charley's # 217	117 Cedar Lane		1000		1000	1			1		3 - Medium					
O'Charley's #208	8077 Kingston Pike		1000, 1500		2000	1			1		3 - Medium				1	FSF exceeded grease interceptor size requirement.
O'Charley's #361	3050 South Mall Road		1500		1500	1			1		3 - Medium					
Okee Dokee Market/ Dairy Queen	2520 Loves Creek Road	X	1000		1000						4 - Low					
Old City Java	109 South Central Street		40	40		2			1	1	3 - Medium					
Old College Inn	1815 Cumberland Avenue	X	1000		1000	3			3		3 - Medium					FSF is closed.
Olive Garden Restaurant #92	7206 Kingston Pike		1000		1000	1			1		3 - Medium					
Olivet Baptist Church	4701 Pleasant Ridge Road		1000		1000	1			1		4 - Low					
Ollantay's Havana Nights	137 S. Gay Street	X	40	40		1			1		4 - Low					FSF is closed.
Oodles Restaurant	18 Market Square		40	40		1			1		0 - No option					
Orange Sports Grill	5512 Clinton Highway	X	1000		1000	1			1		4 - Low					FSF is closed.
Oriental Express	3001 Knoxville Center Drive		10	10		4		1	2	1	3 - Medium					
Osaka Hibachi & Sushi	3349 Sutherland Avenue Suite 101		1500		1500	2			1	1	3 - Medium					
Oscar's Restaurant Fine Italian Cuisine	1840 Cumberland Avenue		30	30		2			2		3 - Medium					
Ott's BBQ	109 Brookview Center Way		1000		1000	2	1	1			3 - Medium				1	New FSF
Our Place	4710 Old Broadway Street		10	10		3			2	1	3 - Medium					
Outback Steakhouse #2	7400 Sawyer Lane		1500		1500	2			2		3 - Medium					
Outback Steakhouse #4317	314 A Merchants Drive		1000		1000	2			1		3 - Medium	1				
Panasonic Electronic Devices Corporation	5105 South National Drive	X	30	30		1			1		4 - Low					FSF is closed.
Panda One	7741 Ste. 101 S. Northshore Drive		1500		1500	2	1		2	1	3 - Medium				1	New FSF
Panda's Chinese Restaurant	4424 Western Avenue		40	40		5		1	2	2	3 - Medium					
Panera Bread	4855 Kingston Pike		1000		1000	1			1		3 - Medium					
Panera Bread	4893 N. Broadway		2000		2000	3			1	2	3 - Medium					
Panera Bread/ Cumberland	2000 Cumberland Avenue		1000		1000	2			2		3 - Medium					
Papa John's / Tazewell Pike	2901 Tazewell Pike		40	40		2			2		3 - Medium					
Papa John's Pizza	1819 Lake Avenue		100	100		3		2	1		3 - Medium	1				
Papa John's Pizza	5617 Western Avenue	X	40	40		3		1	1	1	3 - Medium	1				FSF is closed.
Papa John's Pizza (Kingston Pike)	7038 Kingston Pike		40	40		4		2	2		3 - Medium	1				
Papa Murphy's	4409 Chapman Highway Suite U		40	40		1			1		3 - Medium					
Papa Murphy's (Broadway)	5214 N. Broadway Avenue		40	40							3 - Medium					
Papa Murphy's Pizza	4801 Kingston Pike		40	40		1			1		3 - Medium					
Papa Murphy's Pizza	6631 Clinton Highway		50	50		1			1		3 - Medium					
Papermill Market & Deli	4615 Papermill Road	X	-	-		1			1		4 - Low					New business, no food production at facility.
Parkridge Harbor	1501 E. Fifth Avenue		1500		1500	2			1	1	3 - Medium					
Parkview Independent Living	3030 Holbrook Drive		1000		1000	1			1		3 - Medium					
Patrick Sullivans Steakhouse	100 N. Central Street	X	40	40		1			1		0 - No option					FSF is closed.
Pauline's	1518 University Avenue	X	1000		1000	1			1		4 - Low					FSF is closed.
Paul's Oasis	8021 Kingston Pike		40	40		1			1		2 - High					
Payne Baptist Church	2714 Martin Luther King Avenue		40	40		1			1		4 - Low					
Pee Wees Diner	5702 Rutledge Pike	X	40	40		1			1		4 - Low					FSF is closed.
Pelancho's Mexican Grill	1516 Downtown West Boulevard		1000		1500	1			1		3 - Medium	1				

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Penn Station Subs	2121 Cumberland Avenue Suite #105		40	40							3 - Medium					
Penn Station Subs	4909 N. Broadway Street		50	50		1			1		3 - Medium				1	New FSF
Pero's On The Hill	7706 S. Northshore Drive		1000		1000	1			1		3 - Medium					
Pete's Coffee Shop	540 Union Avenue		1500		1500	1			1		3 - Medium					
Petros Chili & Chips # 502 West Hills	7005 Kingston Pike		40	40		2			1	1	3 - Medium					
Petros Chili & Chips #1	7600 Kingston Pike		30	30		3		1	1	1	3 - Medium	1				
Petros Chili & Chips #2/ Knoxville Center	3001 Knoxville Center Drive Suite 2229		40	40		2			1	1	3 - Medium					
PF Changs China Bistro Inc.	6741 Kingston Pike		1000		1000	1			1		3 - Medium					
Phatz Sports Bar & Grill	3920 Asheville Highway	X	1000		1000	1			1		4 - Low					FSF is closed.
Philippine Connection Carry Out	3225 Magnolia Avenue		40	40		1			1		3 - Medium					
Philippine Egg Roll Express	3625 Western Avenue		50	50		4		1	1	2	4 - Low					
Pilot	3615 Sutherland Avenue		30	30		1			1		3 - Medium					
Pilot Food Mart # 187	100 Merchants Drive		40	40							3 - Medium					
Pilot Food Mart # 244	2218 Cumberland Avenue		40	40		1			1		3 - Medium					
Pilot Food Mart #166	4603 Chapman Highway		40	40		1			1		3 - Medium					
Pilot Food Mart #217	4800 North Broadway Avenue		40	40		1			1		3 - Medium					
Pimentos	6638 Kingston Pike	X	1500		1500	1			1		3 - Medium					FSF is closed.
Pit Masters BBQ (Trailer)	5800 Clinton Highway	X	-	-		1	1				4 - Low					No food production at facility.
Pita Pit	2121 Cumberland Avenue Suite 101	X	1500		1500	1			1		4 - Low					FSF is closed.
Pizza Hut #12621	212 Cedar Lane		1000		1000						3 - Medium					
Pizza Hut #12628	5701 Western Avenue		40	40		2			1	1	3 - Medium					
Pizza Hut #12632	2405 Chapman Highway		40	40		2			2		3 - Medium					
Pizza Hut #13026	7017 Kingston Pike		40	40		2			1	1	3 - Medium					
Pizza Hut / Tazewell	3018 Tazewell Pike	X	40	40		1			1		4 - Low					FSF is closed.
Pizza Hut/ Millertown	5338 Millertown Pike		40	40		1			1		3 - Medium					
Pizza Hut/Asheville	4100 Asheville Highway		40	40		1			1		3 - Medium					
Pizza Inn	5420 Clinton Highway		1000		1000	1			1		3 - Medium					
Pizza Palace	3132 Magnolia Avenue		50	50		1			1		3 - Medium					
Pizza Plus	210 Andrew Johnson Highway		30	30		7		4	2	1	3 - Medium	1				
Pleasant Ridge Elementary	3013 Walnoaks Road		1500		1500						3 - Medium					
Plum Tree Restaurant	7052 Kingston Pike		40**		1500	6		3	2	1	1 - Unacceptable					**FSF is in enforcement.
PM's Lounge	1604 N. Sixth Ave..	X	40	40							4 - Low					FSF is closed.
Pond Gap Elementary	1400 Hollywood Drive		2000		2000	1			1		3 - Medium					
Poulavah Hut	1931 Magnolia Avenue		40	40		1			1		3 - Medium					
Preservation Pub	28 Market Square Mall		40	40							4 - Low					
Pride & Joy Children's Academy	4418 Kingston Pike		40	40		2			1	1	3 - Medium					
Prime Time	800 South Gay Street		40	40		1			1		4 - Low					
Puleo's Grille	242 Morrell Road		1500		1500	3			2	1	3 - Medium					
Puleo's Grille	110 Cedar Lane		1000		1000	1			1		3 - Medium					
Puleo's Grille (Region)	7224 Region Lane		1000		1000						3 - Medium					
Pup's Pit BBQ	7660 S. Northshore Drive		50	50		2			1	1	3 - Medium					
Qdoba Mexican Grill	7339 Kingston Pike		1500		1500	1			1		3 - Medium					
Quaker Steak & Lube	5616 Merchant Center Boulevard		1000		1000	2		1	1		3 - Medium	1				
Quality Bakers	4529 Holston Drive		200	200							3 - Medium					
Quality Inn	117 Cedar Lane		40	40		3		1	1	1	3 - Medium				1	
Quality Turkish Market	8078 Kingston Pike	X	*	*		1	1				4 - Low					New business, no food production at facility.
Quizno's Subs	1517 White Avenue		3000	40		2			2		3 - Medium					
Raceway #6757	4418 Western Avenue	X	30	30		1			1		4 - Low					No food production at facility.
Rallys Hamburger	2320 Chapman Highway	X	1000		1000	1			1		4 - Low					FSF is closed. Building razed.
Ramada Inn	7737 Kingston Pike		20	20		1			1		3 - Medium					
Ramada Limited	722 Brakebill Road	X	*	*		2			2		4 - Low					No food production at facility.
Ramsey's Restaurant	5331 Central Avenue Pike	X	1500		1500	2			2		3 - Medium					FSF is closed.
Range House Restaurant	4721 Old Broadway Avenue		1000		1000	1			1		3 - Medium	1				
Rankin Restaurant	2200 North Central Avenue		1000		1000	1			1		3 - Medium					
Ray's ESG	7355 Kingston Pike		1000		1000	1			1		3 - Medium					
Red Fez Deli Express	3201 Magnolia Avenue		20	20		1			1		3 - Medium					
Red Lobster # 47	8040 Kingston Pike		1500		1500	2			2		3 - Medium					
Red Lobster #253	305 Merchants Road		1500		1500	3			1	1	3 - Medium	1				
Red Mango	7600 Kingston Pike		40	40		2	1		1	1	4 - Low				1	New FSF
Red Onion Pizza & Sub	3625 Sutherland Avenue		30	30		1			1		3 - Medium					
Red Roof Inn	1315 Kirby Road	X	1000		1000	1			1		4 - Low					No food production at facility.
Red Roof Inn	5466 Central Avenue Pike	X	*	*							4 - Low					No food production at facility.
Redemption Church	3550 Pleasant Ridge Rd	X	40	40		1			1		4 - Low					No food production at facility.
Regal Cinemas Downtown	510 South Gay Street		50	50		1			1		3 - Medium					
Regal Downtown West 8	1640 Downtown West Boulevard		40	40		1			1		3 - Medium	1				
Regal Entertainment Group (West Town)	7600 Kingston Pike		40	40		2			2		3 - Medium					
Regal Theatre	3001 Knoxville Center Drive		14	14		2			1	1	3 - Medium					
Regas Restaurant	318 North Gay Street	X	2000		2000	1			1		4 - Low					FSF is closed.
Richard Yoakley Elementary School	4415 Washington Pike		200		200	1			1		3 - Medium					
Rick's Place	1525 Downtown West Boulevard Suite 7		1000		1000						3 - Medium					
Ridgedale Alternative School	2900 Ridgedale Road		40	40							4 - Low					
Rita's Bakery	3023 Tazewell Pike		1000		1000	1			1		4 - Low					
Rita's Water Ice	26 Market Square		40	40		1			1		3 - Medium					
Rite Stop Food Mart	441 Dutch Valley Road		40	40		3			1	1	3 - Medium					
Ritta Elementary School	6228 Washington Pike		800		800	1			1		3 - Medium					
River of Jordan Baptist Church	4909 Landbrook Street	X	*	*		1			1		4 - Low					No food production at facility.
Riverside Market	2100 Riverside Drive		20	20							4 - Low					
Rocky Hill Elementary School	1200 Morrell Road		1000		1000	1			1		3 - Medium					

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Rocky Top Market/ Cumberland	2001 Cumberland Avenue		40	40		1			1		3 - Medium					
Rogers & Sons Market and Deli	5417 Tazewell Pike	X	1000		1000	1			1		3 - Medium					FSF is closed.
Romano's Macaroni Grill	7723 Kingston Pike		1000		1000	1			1		3 - Medium					
Roosters	7585 Northshore Drive		40	40		2			2		3 - Medium					
Roseberry Baptist Church	2920 Roseberry Road		10**		1000	1	1				1 - Unacceptable					Working with FSF to install proper GCE
Roundup Restaurant & Ice Cream Parlor	3643 Sevier Avenue		40	40							3 - Medium					
Roux Barb	130 South Northshore Drive		1500		1500	7		4	3		3 - Medium				1	
Ruby Tuesday # 3131	2714 Chapman Highway	X	1500		1500	1			1		3 - Medium					FSF is closed.
Ruby Tuesday # 3977	7600 Kingston Pike	X	1500		1500	1			1		4 - Low					FSF is closed.
Ruby Tuesday #3767	4834 N. Broadway		1500		1500	1			1		3 - Medium					
Ruby Tuesday #4155	750 Brakebill Rd.		1500		1500						3 - Medium					
Ruby Tuesday's #4262	6606 Clinton Highway		1500		1500	2			1		3 - Medium					
Rumorz	1820 Cumberland Avenue	X	100, 40	100, 40		2			2		0 - No option					FSF is closed.
Runaway Shelter Programs	2701 E. Fifth Avenue	X	-	-		1			1		4 - Low					No food production at facility.
Ruth Chris Steakhouse	950 Volunteer Landing		1000		1000						3 - Medium					
Ryan's #154	213 Cedar Ln.	X	1000		1000	1			1		4 - Low					FSF is closed.
S & S Cafeteria	4808 Kingston Pike		200		1500	2			1	1	3 - Medium					
Sacred Heart Cathedral	711 Northshore Drive		2000		2000	1			1		3 - Medium					
Saint Joseph School Cafeteria	1810 Howard Road		1500		1500	1			1		3 - Medium					
Salad Works	7600 Kingston Pike	X	100	100		1			1		3 - Medium					FSF is closed.
Salsarita's	5224 N. Broadway		2000		2000	2			1	1	3 - Medium					
Salsarita's Fresh Cantina	100 Jack Dance Street		2000		2000	1			1		3 - Medium					
Salvation Army Kitchen	409 N. Broadway		1000		1000	1			1		3 - Medium					
Sam & Andy's	2613 West Adair Drive		30	30		2			1	1	3 - Medium					
Sam E. Hill Elementary School	1725 Delaware Avenue		50, 100	50, 100		2			2		3 - Medium					
Sam's Café	603 Main Avenue	X	80	80		1			1		2 - High					FSF is closed.
Sam's Club # 6572	2920 Knoxville Center Drive		2000		2000						3 - Medium					
Sam's Club #8256	8435 Walbrook Drive		1500, 1500		1500	1			1		3 - Medium				1	FSF exceeded grease interceptor size requirement.
Sam's Restaurant and Deli	4405 North Broadway		60	60		1			1		2 - High					
Sangria's Tapas Grill	35 Market Square		75, 75	75, 75							0 - No option					
Sapphire Restaurant	428 South Gay Street		40	40		2			1	1	0 - No option	1				
Sarah Moore Green Elementary School	3001 Brooks Road		2000		2000	1			1		3 - Medium					
Sarku	3001 Knoxville Center Drive Suite 2227		60	60		3		1	1	1	3 - Medium					
Sarku	7600 Kingston Pike		40	40		3			2	1	3 - Medium					
Sassy Ann's	820 N. Fourth Avenue		50	50		2			1	1	0 - No option					
Save A Lot	2003 N. Broadway Avenue		50	50		1			1		3 - Medium					
Save A Lot	3840 Holston Drive		40	40		2			2		3 - Medium					
Savelli's Deli	3055 Sutherland Avenue		40	40		1			1		3 - Medium					
Savor (Mobile kitchen)	4300 Ollie Davis Drive		20	20		2	1			1	3 - Medium				1	New FSF
Savory and Sweet Truck	200 Hartford Road		8	8		1	1				3 - Medium				1	New FSF
Sawyer's At Campus	701 S. 17th Street	X	1000		1000	1			1		4 - Low					FSF is closed.
Sbarro	3001 Knoxville Center Drive		40	40		1			1		3 - Medium					
Sbarro's/West Town	7600 Kingston Pike		30	30		3		1	1	1	3 - Medium					
Schofield Café	1908 Schofield Street	X	40	40		1			1		4 - Low					FSF is closed.
Scott's Deli and Ice Cream	4700 Asheville Highway		20	20		1			1		3 - Medium					
Scott's Hot Dogs (Trailer)	418 N. Broadway Avenue	X	*	*		1	1				4 - Low					New FSF, uses KARM as commissary kitchen.
Scrogg's Real Pit Bar B Q	1920 East Magnolia Avenue		40	40		1			1		3 - Medium					
Scrumps Cupcakes	106 Hotel Street		40	40		2	1		1		3 - Medium				1	New FSF
Seasons Restaurant	5018 Kingston Pike		2000		2000	1	1				3 - Medium					
Senior Citizen Home Assistance Service (SCHAS)	215 Bearden Place		2500		2500	2			1	1	3 - Medium					
Senor Taco	3325 North Broadway Avenue		50	50		1			1		3 - Medium					
Sequoyah Elementary School	942 Southgate Road		1000		1000	1			1		3 - Medium					
Sequoyah Grille LLC	4429 Kingston Pike	X	1500		1500	1			1		3 - Medium					FSF is closed.
Serene Manor Hospital	970 Wray Street		1500		1500	1			1		3 - Medium					
Sergeant Pepperoni's Pizza	4618 Kingston Pike		50	50		5		3	1	1	3 - Medium					
Seventeenth Street Market & Deli	115 17th Street		30	30		1			1		3 - Medium					
Shalimar Indian Restaurant	823 Melrose Place	X	100, 100	100, 100		1			1		3 - Medium					FSF is closed.
Shannondale Assisted Living	800 Vanosdale Road		2000		2000	4		3		1	3 - Medium				1	FSF installed larger 2000 GI.
Shannondale Elementary School	5316 Shannondale Road		1500		1500	1			1		3 - Medium					
Shannondale Health Care	7424 Middlebrook Pike		1000, 1000		2000						3 - Medium					
Shoney's #1	4032 N. Broadway		1500		1500	2			1	1	3 - Medium					
Shoney's #12	4410 Western Avenue		1500		1500	2			1	1	3 - Medium					
Shoney's #4	2612 Chapman Highway		1500		1500	2			1	1	3 - Medium					
Shoneys #8	4020 Rutledge Pike		1500		1500	2			1	1	3 - Medium					
Shonos in the City	5 Market Square		40	40		2			1	1	3 - Medium					
Shri Swaminarayan Mander	602 Brakebill Road		1000		1000	1			1		4 - Low				1	New FSF under construction.
Silver Spoon The American Café	7240 Kingston Pike	X	1000		1000	1			1		3 - Medium					FSF is closed.
Sista's & Sister's of Soul	2517 Martin Luther King Boulevard	X	40	40		1			1		3 - Medium					FSF is closed.
Sitar Fine Indian Cuisine	6004 Kingston Pike		1000		1000	1			1		3 - Medium					
Skate Town	5713 North Broadway Street		30	30		2			1	1	4 - Low					
Smithwood Learning Center	3203 Tazewell Pike	X	*	*		1			1		4 - Low					No food production at facility.
Smoke Box	2827 Magnolia Avenue		1500		1500	2	1			1	3 - Medium					
Smokey's Sports Pub And Grill Lounge	2613 West Adair Drive	X	30	30		1			1		3 - Medium					FSF is closed.
Smoky Mountain BBQ	7600 Kingston Pike		50	50		3	2		1		3 - Medium	1				
Smoky Mountain VFW	734 Fourth Avenue	X	*	*		1			1		4 - Low					FSF is closed.
Smoothie King	1702 Cumberland Ave.	X	*	*		1			1		4 - Low					FSF is closed.
Smoothie King (Forest Park Blvd.)	211 Forest Park Blvd.	X	*	*		1			1		4 - Low					FSF is closed.
Snappy Tomato Pizza	5908 Washington Pike		1000		1000	1	1				3 - Medium					

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Snappy Tomato Pizza (Kingston Pk)	5905 Kingston Pike		50	50		1	1				3 - Medium				1	New FSF
Snappy Tomato Pizza (Schaad Rd.)	2806 Schaad Road		50	50		2			1	1	3 - Medium					
Soccer Taco and Catering	6701 Kingston Pike		1000		1000	1			1		3 - Medium					
Soccer Taco/ Market Square	9 Market Square Mall		2000		2000	2			2		3 - Medium					
Son Kids	2311 Fine Street	X	-	-		1			1		4 - Low					FSF is closed.
Sonic # 4789/ Schaad	2742 Schaad Road		1500		1500	1			1		3 - Medium	1				
Sonic #2315	4515 Chapman Highway		1000		1000	2		1	1		3 - Medium					
Sonic Drive In	104 Cedar Lane	X	1000		1000	1			1		3 - Medium					FSF is closed.
Sonic Drive In	5003 Millertown Pike		1500		1500	1			1		3 - Medium					
Sonic Drive-In	5103 Broadway		1000		1000	1			1		3 - Medium					
Sonic/ Broadway	3311 Broadway		1000		1000	1			1		3 - Medium					
Sonic/ Kingston Pk.	5722 Kingston Pike		1500		1500	3			1	2	3 - Medium					
Soups and Scoops	4720 Western Avenue	X	40	40		1			1		3 - Medium					FSF is closed.
South Bound	106 Central Avenue		40	40							3 - Medium					
South Knoxville Elementary School	801 Sevier Avenue		50	50							3 - Medium					
South Knoxville Family Center	522 Maryville Pike	X	-	-		1			1		4 - Low					No food production at facility.
South-Doyle Middle School	3900 Decatur Avenue		1000		1000						3 - Medium					
Southern Graces/ Sunsphere	810 Clinch Avenue	X	50	50		1			1		4 - Low					FSF is closed.
Southern Kitchen	1527 White Avenue		3000		3000	1	1				3 - Medium					New FSF
Southern Railway Depot	318 Depot Street		1000		1000				1		4 - Low				1	New FSF
South's Finest Chocolate	1060 Worlds Fair Park Drive		20	20		2			1	1	3 - Medium					
Southside Sports Bar	125A East Moody Avenue	X	-	-		1			1		4 - Low					FSF is closed.
Spa Visage	1701 Downtown West Boulevard	X	10	10		1			1		4 - Low					No food production at facility.
Speed Mart Deli	2017 Chapman Highway	X	40	40		1			1		4 - Low					No food production at facility.
Spring Hill Elementary School	4711 Mildred Drive		1000		1000	1			1		3 - Medium					
St. John's Cathedral	413 W. Cumberland Avenue		1500		1500	2			1	1	3 - Medium					
St. Mark Early Enrichment Program	7001 Northshore Drive	X	-	-		1			1		4 - Low					No food production at facility.
St. Mary's Health System, Inc.	900 E. Oak Hill Avenue		3000		3000	1			1		3 - Medium					
Starbucks	7222 Region Lane	X	1500		1500	1			1		4 - Low					FSF is closed.
Starbucks Coffee	116 Merchants Road		1500		1500						3 - Medium					
Starbucks Coffee	2017 Cumberland Avenue		1500		1500	1			1		4 - Low					
Starbucks Coffee # 8536	4924 Kingston Pike		1500		1500	1			1		3 - Medium					
Starbucks Coffee #1	501 W. Church Avenue		40	40		2			1	1	3 - Medium					
Starbucks Coffee #3	1015 Volunteer Boulevard	X	-	-		1			1		4 - Low					No food production at facility.
Starbucks Coffee (Montvue Drive)	7803 Montvue Drive		1500		1500	1			1		3 - Medium					
Steak Out # 1	7836 Kingston Pike	X	40	40		1			1		4 - Low					FSF is closed.
Steak Out #2	2038 N. Broadway Avenue	X	40	40		1			1		4 - Low					FSF is closed.
Steamboat Sandwiches	7 Market Square		40	40							3 - Medium					
Stefano's Chicago Style Pizza	1937 Cumberland Avenue		150	150		1			1		0 - No option					
Sterchi Elementary School	900 Oaklett Drive		1500		1500	1			1		3 - Medium					
Stillhouse Tavern	4921 Hornberg Drive Suite E		50**	150		1			1		0 - No option					Working with FSF to install proper GCE
Stir Fry Cafe	7240 Kingston Pike		60**		1500	4		1	2	1	1 - Unacceptable					Working with FSF to install proper GCE
Stop N' Go Market	2110 Brooks Road		30	30		1			1		3 - Medium					
Strike & Spare Bowling Center	3315 North Broadway		40	40		2			1	1	3 - Medium					
Strike & Spare Family Fun Center	5700 Western Avenue		40	40		3		1	1	1	3 - Medium					
Subway	1325 North Cherry Street		20	20		3		1	1	1	3 - Medium					
Subway	3317 Sutherland Avenue		50	50		2			1	1	3 - Medium					
Subway	4803 North Broadway		40	40		2			1	1	3 - Medium					
Subway	8445 Walbrook Drive		1000		1000	2			1	1	3 - Medium					
Subway # 12	25 Market Square		20	20		3		1	1	1	3 - Medium					
Subway # 15024	6217 Riverview Crossing		30	30		3			2	1	3 - Medium					
Subway # 21	7701 Northshore Drive		30	30		3			2	1	3 - Medium					
Subway # 23	314 C Merchants Drive		40	40		3			2	1	3 - Medium					
Subway # 25	2734 Schaad Road		40	40		4		1	2	1	3 - Medium	1				
Subway # 4	7327 Kingston Pike		40	40		2			1	1	3 - Medium					
Subway #1559	3105 Alcoa Highway		30	30		2			1	1	3 - Medium					
Subway #16	8605 Walbrook Drive		40	40		1			1		3 - Medium					
Subway #1711	5201 Kingston Pike		20	20		2			1	1	3 - Medium					
Subway Of Knoxville Inc.	4436 Western Avenue		30	30		4		1	2	1	3 - Medium	1				
Subway Sandwiches And Salads	2625 North Broadway		40	40		2			1	1	3 - Medium					
Subway Sandwiches of Knoxville	2104-1 Cumberland Avenue		40	40		3			2	1	3 - Medium					
Subway Shop of Knoxville VI, INC.	3708 Chapman Highway		40	40		2			1	1	3 - Medium					
Subway/ 7300 Middlebrook	7300 Middlebrook Pike	X	-	-		2			1	1	4 - Low					FSF never remodeled to open.
Subway/ Knox Center	3001 Knoxville Center Drive		40	40		3			2	1	3 - Medium					
Subway/ West Town	7600 Kingston Pike		40	40		3			2	1	3 - Medium					
Subway/Middlebrook	5501 Middlebrook Pike		40	40		2			1	1	3 - Medium					
Sugarbuzz Bakery	313 Forest Park Blvd.		30	30		3	1	1		1	3 - Medium				1	New FSF
Sullivans at Rocky Hill	7545 South Northshore Drive		1000		1000	2			2		3 - Medium					
Sun Spot	1909 Cumberland Avenue		40	40		1			1		0 - No option					
Sunnyview Primary School	412 Bagwell Lane		500		500	1			1		3 - Medium					
Super 8 Motel	7585 Crosswood Blvd.	X	-	-		1			1		4 - Low					No food production at facility.
Super Dollar Discount Foods	4302 Asheville Avenue	X	1000		1000	2			2		3 - Medium					No food production at facility.
Super Mario	736 N. Broadway		1500		1500	2			1	1	3 - Medium					
Surin of Thailand	6213 Kingston Pike		2000		2000	2	1		1		3 - Medium					New FSF
Susie Q's	1031 Maryville Pike	X	40	40		1			1		4 - Low					FSF is closed.
Sutherland Deli	2608 Sutherland Avenue Lot D		20	20		1			1		3 - Medium					
Suttree's High Gravity Tavern	409 S. Gay Street		40	40		2	1		1		4 - Low					New FSF
Sweet Ce Ce's	4477 Kingston Pike	X	30	40		1			1		3 - Medium					FSF is closed.

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Sweet Escapes	3001 Knoxville Center Blvd.		40	40		1	1				3 - Medium					New FSF
Sysco Food Company	900 Tennessee Avenue		1000		1000						3 - Medium					
Szechuan Garden	4211 Chapman Highway		1000		1000	2		2			3 - Medium				1	FSF installed larger 1500 GI.
T. J. s Sports Bar & Grill	1428 Amherst	X	15	15							4 - Low					FSF is closed.
T.G.I. Friday's	135 Northshore Drive		1000		1000	1			1		3 - Medium					
Taco Bell #16310	2085 N. Broadway		1000		1000	1			1		3 - Medium					
Taco Bell #16498	4854 N. Broadway		1000		1000	1			1		3 - Medium					
Taco Bell #20467	6516 Walbrook Drive		1500		1500	1			1		3 - Medium					
Taco Bell #20909	7211 Strawberry Plains Pike		1000		1000	1			1		3 - Medium					
Taco Bell #2302	4413 Western Avenue		1500		1500	1			1		3 - Medium					
Taco Bell #2379	1900 Cumberland Avenue		1500		1500	1			1		3 - Medium					
Taco Bell #4756	6504 Chapman Highway		1000		1000	1			1		3 - Medium					
Taco Bell #9566	3017 Magnolia Avenue	X	1000		1000	1			1		4 - Low					FSF is closed.
Taco Bell #9575	7414 Kingston Pike		1000		1000	1			1		3 - Medium					
Taco Bell (Millertowne Pk.)	5322 Millertowne Pike		1000		1000	1			1		3 - Medium					
Taco Bell/Knox Center	3001 Knoxville Center Drive	X	40	40		1			1		4 - Low					FSF is closed.
Taco Bell/West Town	7600 Kingston Pike		40	40		1			1		3 - Medium					
Taco De Mexico	818 Beaumont Avenue B		20	20		2			2		4 - Low					
Taj Indian Restaurant	1700 Cumberland Avenue	X	1500		1500	1			1		4 - Low					FSF is closed.
Tamal Express	3001 Knoxville Center Drive	X	40	40		1			1		3 - Medium					FSF is closed.
Tangerine Japanese Restaurant	5328 Millertowne Pike		1500		1500	2			1	1	3 - Medium					
Tapatios Mexican Restaurant	811 Twenty Second Street	X	30	30		2			2		3 - Medium					FSF is closed.
Taqueria Mexican Food	3701 Chapman Highway Suite B	X	40	40		1			1		4 - Low					FSF is closed.
Target #151 (Ray Mears)	8040 Ray Mears Blvd.		150	150		1	1				3 - Medium					
Target #2057 (New Harvest)	4700 New Harvest Lane		1500		1500	1			1		3 - Medium					
Tate's Teenz & Tots	5304 Clinton Plaza Drive		75	75		1			1		4 - Low					
Taylor Food & Deli	5708 Asheville Hwy.	X	40	40		4	1	2		1	4 - Low				1	New FSF, FSF is closed.
TD Barbecue	5306 Middlebrook Pike		40	40		2			1	1	3 - Medium					
Tea Time With Clara	4907 Jacksboro Pike	X	-	-		1			1		4 - Low					FSF is closed.
Tekila Mexican Restaurant	904 Merchants Drive	X	1000		1000	1			1		4 - Low					FSF is closed.
Tekoa Lounge	6659 Oak Ridge Hwy.	X	-	-		1			1		4 - Low					FSF is closed.
Templation Station	201 West Red Bud Drive	X	30	30		1			1		4 - Low					FSF is closed.
Tennessee Grill Restaurant	900 Neyland Drive	X	1500		1500						4 - Low					FSF is closed.
Tennessee Riverboat Company	300 Neyland Drive		50	50		1			1		0 - No option					
Tennessee School For The Deaf	2725 Island Home Boulevard		100, 100	100, 100		1			1		2 - High					
Tennessee Theatre	604 South Gay Street		30	30		1			1		3 - Medium					
Texas Roadhouse	120 Morrell Road		1500		1500	1			1		3 - Medium					
Texas Roadhouse #5	3071 Kinzel Way		1500		1500	1			1		3 - Medium					
That Burger Joint	3001 Knoxville Center Drive	X	50	50		1			1		3 - Medium					FSF is closed.
The Blue Bean	3716 Walker Boulevard	X	20	20		1			1		4 - Low					FSF is closed.
The Broker	3434 Martin Luther King, Jr. Boulevard		1000		1000						3 - Medium					
The Campus Deli	1501 White Avenue	X	30	30		1			1		4 - Low					FSF is closed.
The Coop Café	301 S. Gay Street	X	40	40		2			1		3 - Medium					FSF is closed.
The Crown & Goose Pub	123 S. Central Street		1500		1500	4		1	2	1	3 - Medium		1			
The Cup	5508 Kingston Pike Suite 180		50	50		1			1		0 - No option					
The Edge Of Knoxville Inc.	7211 Kingston Pike		40	40							3 - Medium					
The French Market	526 S. Gay Street		50	50		2			1	1	3 - Medium					
The Fresh Market	4475 Kingston Pike		1500		1500	1			1		3 - Medium					
The Grill At Highland Row	4705 Old Kingston Pike		1500		1500	1			1		3 - Medium					
The Hill Restaurant	1105 Forest Avenue		2000		2000						3 - Medium					
The House Tavern	5903 Chapman Hwy.		30	30		1	1				3 - Medium					New FSF
The Market	504 S. Gay Street	X	-	-		1			1		4 - Low					No food production at facility.
The Orangery	5412 Kingston Pike		2000		1500	1			1		3 - Medium					
The Original Freeze	1305 N. Central Avenue		20	20		2			1	1	3 - Medium					
The Perfect Place	3202 Martin Luther King Avenue	X	-	-		1			1		4 - Low					No food production at facility.
The Pint House	815 Merchants Drive		30	30		1			1		3 - Medium					
The Plaid Apron	1210 Kennesaw Avenue		1500		1500	1			1		3 - Medium					
The Relic	1208 Central Avenue	X	1500		1500	2			1		4 - Low					No food production at facility.
The Roaming Gnome Pub & Eatery	716 20th Street		50, 50	50, 50		2			2		2 - High					
The Shrimp Dock	5210 Kingston Pike		1000		1000	2			1	1	3 - Medium					
The Spice Rack	7727 Kingston Pike	X	1000		1000	1			1		3 - Medium					FSF is closed.
The Sugar Shack (Knoxville Center Drive)	3001 Knoxville Center Drive Suite 1236	X	1500		1500	1			1		4 - Low					FSF is closed.
The Three Bears	100 Bona Road	X	-	-		1			1		4 - Low					No food production at facility.
The Tin Roof (Cumberland)	1915 Cumberland Avenue		1000		1000	1			1		3 - Medium					
The Tin Roof (Northshore)	7406 Northshore Drive		1500		1500	2	1	1			3 - Medium					New FSF
The Tree & Vine	439 Union Avenue	X	-	-		1	1				4 - Low					New business, no food production at facility.
The Upper Crust	800 South Gay Street		30	30		1			1		4 - Low					
The Valarium/Cider House	940 Blackstock Avenue	X	40	40		1			1		3 - Medium					FSF is closed.
The Well	4620 Kingston Pike		40	40		5		1	2	2	3 - Medium				1	New FSF
Three Brothers Pizza	200 Woodland Avenue	X	40	40							4 - Low					FSF is closed.
Three Ridges Golf Course	6101 Wise Springs Road		500		500	3		2	1		3 - Medium	1				
Three Rivers Market	1100 N. Central Avenue		1500		1500	1			1		3 - Medium					
Thunder Road Grill (trailer)	100 West Wood		14	14		1	1				3 - Medium				1	New FSF
Tienda Nony	204 Cedar Lane		30	30		2	1	1			3 - Medium				1	New FSF
Time Out Deli Market	1500 Magnolia Avenue		30	30							3 - Medium					
Time Warp Tea Room	1209 N. Central Avenue		40	40		3		2	1		4 - Low					
Time-Out Deli #2	1428 North Central Avenue		40	40		2			1	1	3 - Medium					
Tio Conejo	4406 N. Broadway Avenue		1500		1500	2	1			1	4 - Low				1	New FSF

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TJ's	3001 Knoxville Center Drive	X	20	20		1			1		4 - Low					FSF is closed.
Toddy's Backdoor Tavern	4951 Kingston Pike	X	-	-		1			1		4 - Low					No food production at facility.
Tomato Head (Kingston Pk)	7240 Kingston Pike		1500		1500	2	1		1		3 - Medium				1	New FSF
Tomato Head Restaurant	12 Market Square		40	40							3 - Medium					
Tomo Japanese Restaurant (Broadway)	4877 N. Broadway Avenue		1500		1500	2			1	1	3 - Medium					
Tomo Japanese Restaurant (Kingston Pike)	7315 Kingston Pike		40, 40		1500	4			2	2	3 - Medium					
Toot's Little Honky Tonk	114 E. Anderson Avenue	X	-	-		1			1		4 - Low					No food production at facility.
Tracy's Restaurant	3913 Western Avenue		80	80		2			2		0 - No option					
Triangle Market	3700 Boyds Bridge Pike	X	20	20		1			1		4 - Low					No food production at facility.
Trinity Care Senior Living of Knoxville	4611 Asheville Hwighway		1000		1000	2	1			1	3 - Medium					
Trino's	1707 Cumberland Avenue	X	40	40		1			1		3 - Medium					FSF is closed.
Trio Cafe	13 Market Square		50	50		2			1	1	3 - Medium					
Tropical Smoothie Cafe	8008 Kingston Pike		1000		1000	2		1	1		3 - Medium	1				
Tropical Smoothie Café	4839 Kingston Pike	X	40	40		2			2		3 - Medium					FSF is closed.
Two Sister's Sandwiches and Sweets	7409 Middlebrook Pike		40	40		5		1	3	1	3 - Medium					
U.T. Bakery @ Presidential Hall	1017 Francis Street		300		1000	1			1		3 - Medium					
U.T. Hess Hall KFC Express	1720 Melrose Place		40	40		1			1		3 - Medium					
U.T. Hospital	1924 Alcoa Highway Box 48		3000, 3000		30,003,000	1			1		3 - Medium					
U.T. Law Building The Side Bar	1505 W. Cumberland Avenue	X	-	-		1			1		4 - Low					No food production at facility.
U.T. Mable's Cafe	2640 Morgan Circle		1500		1500	1			1		3 - Medium					
U.T. Morrill Hall (student cafe)	1038 20th Street		1000		1000	1			1		3 - Medium					
U.T. Presidential Court	1017 Francis Street		1000		1000	2			2		3 - Medium					
U.T. Ray's Place	1413 Circle Drive	X	-	-		1			1		4 - Low					No food production at facility.
U.T. Strong Hall	1621 Cumberland Avenue		3000		3000	2			2		3 - Medium					
U.T. Student University Center	1502 Cumberland Avenue		6000		4000	1			1		3 - Medium					FSF exceeded grease interceptor size requirement.
U.T. Thompson Boling Arena	1600 Phillip Fulmer Way		3000		3000	1			1		3 - Medium					
U.T. Varsity Inn (Gibbs Hall)	1311 Lake Loudon Boulevard		1000		1000	1			1		3 - Medium					
U.T. Welcome Center	2704 Neyland Drive		1500		1500	1			1		3 - Medium					
Union Jacks	124 Northshore Drive	X	-	-		1			1		4 - Low					No food production at facility.
Urban Bar & Corner Cafe	109 North Central Street		60	60		1				1	3 - Medium					
Veg-O-Rama Restaurant	1204 N. Central Street	X	80, 50	80, 50		2		1	1		3 - Medium					FSF is closed.
Vic & Bill's Deli	3553 North Broadway		40	40		1			1		3 - Medium					
Vic & Bill's Deli	1501 White Avenue	X	40	40		1			1		4 - Low					FSF is closed.
Victory View Baptist Church	3102 Selma Avenue	X	-	-		1			1		4 - Low					No food production at facility.
Victory View Childcare	514 S. Castle Street	X	-	-		1			1		4 - Low					No food production at facility.
Village Bakery	6202 Chapman Highway		40	40		1			1		3 - Medium					
Vine Middle Magnet School	1807 Martin Luther King, Jr. Avenue		1000		1000						3 - Medium					
Virginia College	5003 N. Broadway Avenue	X	-	-		1	1				4 - Low					No food production at facility.
VNK Market	5417 Tazewell Pike		1000		1000	4	1	1	1	1	3 - Medium					New FSF
Vol Market #3	3400 Western Avenue		100	100		1			1		3 - Medium					
Volunteer Ministry Center	511 N. Broadway		1500		1500	2			1	1	4 - Low					
Waffle House # 447	5416 Asheville Highway		1000		1000	2			1	1	3 - Medium					
Waffle House #1105	7414 Strawberry Plains Pike		1000		1000	2			1	1	3 - Medium					
Waffle House #293	6230 Papermill Road		2000		2000	1			1		3 - Medium					
Waffle House #766	119-A Cedar Lane		1000		1000	1			1		3 - Medium					
Wallace Memorial Baptist Church	701 Merchants Drive		150, 150	150, 150							2 - High					
Wally's Drive In	104 Cedar Lane		1000		1000	1	1				3 - Medium					New FSF
Wal-Mart # 2065	8445 Walbrook Drive		1500		1500	1			1		3 - Medium					
Wal-Mart # 2310	3051 Kinzel Way		2000		2000	1			1		3 - Medium					
Walter P. Market & Deli	500 McConnell Street	X	20	20		1			1		3 - Medium					No food production at facility.
Wasabi Japanese Steak House	118 Major Reynolds Place		1500		1500	2			1	1	3 - Medium					
Washington Pike Methodist Church	2241 Washington Pike		500		500	2			1	1	4 - Low					
Weigels	5904 Washington Pike		1000		1000	2			2		3 - Medium					
Weigels	1700 Merchants Drive	X	40	40							4 - Low					No food production at facility.
Weigels	300 Cedar Lane	X	40	40		1			1		4 - Low					No food production at facility.
Weigels	3900 Pleasant Ridge Road		40	40		1			1		3 - Medium					
Weigels # 43	4750 Middlebrook Pike		30	30							2 - High					
Weigels #12	5621 Western Avenue		40	40		1			1		3 - Medium					
Wendy's # 12	3000 N. Broadway		1000		1000	1			1		3 - Medium					
Wendy's # 13	1806 Cumberland Avenue		1000		1000	1			1		3 - Medium					
Wendy's # 24	7407 Strawberry Plains Pike		1000		1000	1			1		3 - Medium					
Wendy's # 31	8305 Kingston Pike		1000		1000	1			1		3 - Medium					
Wendy's # 34	4407 Western Avenue		1000		1000	1			1		3 - Medium					
Wendy's # 41	6201 Asheville Highway		1000		1000	1			1		3 - Medium					
Wendy's #28	2904 Knoxville Center Drive		1000		1000	1			1		3 - Medium					
Wendy's #4	2401 Chapman Highway		1500		1500	1			1		3 - Medium					
We're Cooking	7600 Kingston Pike		50	50		1	1				3 - Medium					
West End Academy	5311 McKamey Road	X	-	-		1			1		4 - Low					No food production at facility.
West End Church Of Christ	8301 E.Walker Springs	X	60	60		1			1		4 - Low					No food production at facility.
West Haven Elementary School	3620 Sisk Road		2000		2000						3 - Medium					
West High School	3326 Sutherland Avenue		3000		3000	1			1		3 - Medium					
West Hills Baptist Church	409 North Winston Road		50	50							3 - Medium					
West Hills Elementary School	409 Vanosdale Drive		1000		1000	1			1		3 - Medium					
West Lonsdale Baptist Church	2720 West Dayton Avenue		1500		1500	1			1		4 - Low					
West Town Mall (Main Trap)	7600 Kingston Pike		1000		1000	1			1		3 - Medium					
West View Elementary School	1714 Mingle Avenue		1000		1000	1			1		3 - Medium					
Western Plaza Bowling	122 Western Plaza	X	-	-		1			1		4 - Low					FSF is closed.
Whassup Dog	7702 S. Northshore Drive	X	50	50		1			1		3 - Medium					FSF is closed.

Facility	Address	Inactive FSFs	Trap/Interceptor Size	Trap Size Required	Interceptor Size Required	Total Inspections	Initial Inspections	Follow-up Inspections	Routine Inspections	GCE Certification	Risk Rating	NONC Letters	NOV Letters	SNC Letters	Traps Installed	Comments
Whittle Springs Golf Club Snack Bar	3113 Valley View Road		20	20		2			1	1	3 - Medium					
Whittle Springs Middle School	2700 White Oak Lane		1500		1500	1			1		3 - Medium					
Williams and Sonoma	7600 Kingston Pike		50	50		1			1		3 - Medium					
Wing Zone	2121 Cumberland Avenue		1500		1500	1			1		3 - Medium					
Wings Express	5227 Clinton Highway		1000		1000	3	1		1	1	3 - Medium					
Wishbones	6913 Kingston Pike		1000		1000	1			1		3 - Medium	1				
Wishbones # 2	2701 Magnolia Avenue		1000		1000	1			1		3 - Medium					
Wishbones (Clinton Hwy.)	4808 Clinton Highway		1000		1000	1			1		3 - Medium					
Wok Chow	4612 Kingston Pike		1500		1500	2			1	1	3 - Medium					
Wok Hay	5018 Kingston Pike	X	2000		2000	1			1		3 - Medium					FSF is closed.
Wok Hay (Merchants Rd)	120 Merchants Road	X	1500, 1500		2000	3			3		4 - Low					FSF is closed.
Wok-N-Roll	2828 Magnolia Avenue		1000		1000	1			1		2 - High					
Wood Smith Market and Deli	2240 Wood Smith Road		40	40							3 - Medium					
Woodland Mart and Deli	198 W. Woodland Avenue		40	40							3 - Medium					
Wrappers Delight	4715 Central Ave. Pike	X	*-	*-		1	1				4 - Low					No food production at facility.
Wright's Cafeteria	5403 Middlebrook Pike		50, 50	50, 50		4			2	2	0 - No option					
XYZ Club	1215 N. Central Ave.	X	*-	*-		1			1		4 - Low					No food production at facility.
Yogli Mogli	7240 Kingston Pike Ste. 192		40	40		2	1		1		4 - Low				1	New FSF
Yoma Tora	1931 A Cumberland Avenue	X	30	30		1			1		3 - Medium					FSF is closed.
Young Chef Academy	120 Jack Dance Street	X	*-	*-		1			1		4 - Low					FSF is closed.
Young Star	815 Baxter Avenue		30	30		1			1		4 - Low					
YWCA (Phyllis Wheatley Center)	124 Cruze Street		40	40		3		1		2	4 - Low					
Zaxby's Restaurant	2024 Cumberland Avenue		1500		1500	3			1	2	3 - Medium					
Zoes Kitchen	6638 Kingston Pike		1500		1500	1	1				3 - Medium					New FSF
Totals						1304	59	149	856	240		46	4	0	46	
						Total Inspections	Initial Inspections	Follow up Inspections	Routine Inspections	GCE Certifications		NONC Letter	NOV Letter	SNC letter	Trap Installed	

* No food production or closed facility with no grease trap/interceptor
 ** FSF is under current GCP Enforcement

Appendix A

Date	Address	SSO	Building Backup	Grease	Grease & Roots	Grease & Debris	Grease & I & I	Grease, Roots & Debris	Customers in Area	Letters Mailed	* Cans, Bags Mailed	Residential Only	Residential, Commercial	# of Feet Cleaned	BA Frequency	Comments
2/8/2012	736 Greenmeadows Drive (MH 24-1) Residential SSO	Yes	Yes	Yes					34	34	34	Yes		149'	12	IPID's 1261557(Roots) & 1261556(Roots)
2/9/2012	1613 Wandering Road (MH 52-3) Residential SSO	Yes	Yes						5	5	5	Yes		673'	12	IPID's 1132345(Sag), 1132344(Roots), 1132343(Roots)
2/15/2012	1421 N. Broadway Avenue (MH3-25) Commercial and Residential SSO	Yes	Yes						63	61	61		Yes	379'	12	IPID's 1135290(Sags) & 1134291(Sags)
6/4/2012	5412 Maywood Road (MH 20-16 & MH 20-20) Residential SSO	Yes		Yes					102	102	102	Yes		171'	6	IPID 1108256(Roots)
9/24/2012	2441 Linden Avenue (MH 5-240) Residential and Commercial SSO	Yes	Yes						3	2	2		Yes	221'	12	IPID 40144675(Sags)
9/28/2012	4205 Drifting Drive (31-19) Residential and Commercial SSO	Yes	Yes						29	28	28		Yes	774'	12	IPID's 1052391(Roots), 1052387(Roots) & 1052383(Roots)
12/9/2012	1814 E. Glenwood Avenue (MH 25-49) Residential SSO	Yes	Yes						146	146	146	Yes		121'	12	IPID 1137179(Sag, Flat Slope)
Totals									382	378	378					

Appendix A

	Date	Event	Location	Cans/Spatulas Given Away
1	24-Apr-12	Chilhowee Residents Association	Tiger Top @ Knoxville Zoo	12
2	11-May-12	Beaumont Elementary	Beaumont Elementary School	16
3	30-Jun-12	Cherokee Health Systems/United Health Care	Walter P. Taylor Homes	80
4	27-Nov-12	Southmont Apartments	Southmont Apartments	48
			Total cans/spatulas given out	156

Appendix B

**Pump Station
Maintenance Activities and Schedule**

SMSP 2012

FACILITY & EQUIPMENT UPGRADES

1. Sea Ray Pump Station replacement – Complete
2. Amherst Pump Station replacement – Complete
3. Southside Pump Station replacement – Complete
4. Chapman Highway Pump Station replacement – Complete
5. Duncans Glen Pump Station pump replacement – Complete
6. Pelham Pump Station replacement – Construction Scheduled in 2013
7. Pilleaux Road Pump Station replacement – Construction Scheduled in 2013
8. Cruze Pump Station replacement – Construction Scheduled in 2013
9. Maloneyville Pump Station Replacement – Construction Scheduled in 2013
10. Neubert Springs Pump Station replacement – Construction Scheduled in 2013
11. Eastwood Pump Station – Construction Scheduled in 2013
12. McNutt Pump Station replacement – Construction Scheduled in 2013
13. Ruggles Ferry Pump Station – Construction Scheduled in 2013

SYSTEM STUDIES

1. SCADA System and Communication protocol study – Ongoing

FACILITY INSPECTIONS

1. 1,407 scheduled facility Condition Assessments and Preventative Maintenance tasks

OUTSIDE SUPPORT

1. SMSP has performed 63 pump efficiency tests at various facilities for capacity assurance and flow monitoring purposes. SMSP has provided CDM with efficiency test data from various facilities for modeling purposes.
2. SMSP maintains 29 flow meters and uses these meters for various purposes. SMSP has provided CDM with flow meter data from various facilities for modeling purposes.
3. System Operations SCADA maintains a run-time archive for Wastewater Pump Stations. This information is pulled from the SMSP maintained SCADA system as it pertains to pump stations. Various facility run-time data continues to be provided to CDM for modeling purposes.

SMSP Preventive/Predictive Maintenance Activities and Frequencies

<u>Standard</u> <u>Job</u>	<u>Standard Job Description</u>	<u>Frequency</u> <u>(In days)</u>
RSGN	General Inspection	varies
RSFAC	Facility Inspection - Wastewater	3.5 - 7
RSCRA	Crane Inspection - annual	365
RSMM	Milltronics Inspection	180
RSMMC	Motor control/electrical inspection	365
RSLASI	Alarm status (SCADA) inspection	180
RSFM	Flowmeter inspection	180
RSBSI	Facility Inspection - Water	3.5 - 7
RSBPV	Back flow preventer inspection	365
RSCRH	Crane inspection - routine	90
RSEP	Electric panel inspection	365
RSSS	Soft starter inspection	365
RSACMP	Air compressor inspection	180
RSVFD	VFD Inspection	365
RSMME	Muffin monster inspection	365
RSODOR	Mercaptan injector inspection	30
RSPM1	Pump inspection - Wastewater	180
RSPM2	Sump pump inspection	180
RSCC	Climate control inspection (Heaters/fans)	180
RSML	Motorized louver inspection	365
RSDHM	Dehumidifier inspection	365
RSLER	Emergency lights inspection - monthly	30
RSELA	Emergency lights inspection - annual	365
RSPM3	Belt drive pump inspection - 6 mos.	180
RSBDPA	Belt drive pump inspection - annual	365
RSGNPM	Generator inspection	90
RSCFI	Chemical feed inspection	30
RSLET	Pump efficiency testing - Wastewater	365
RSPMP4	Pump inspection - Water	180
RSWDPC	DP Cell inspection	180
RSWCPC	CL2 & PH Analyzer Calibration	180
RSGRIN	Annual inspection - Gas	365
RSLS	Leak survey - Gas	365
RSPTC	Transducer calibration	365
RSOS	Odorant sampling	30
RSFMM	H2S / PH monitoring	30
RSLVA / RSBVA	Vibration analysis	90
RSCTC / RSBTC	Thermography check	540 days
RSMRC	Master radio inspection	365
RSMR	Meter Readings/charts	3.5 - 7
RSGAS	Alarm status (SCADA) inspection - Gas	365
RSGGV	Grease valves - Gas	365
RSWAS	Alarm status (SCADA) inspection - Water	180
RSGFI	Site inspection - Gas	90
RSGNA	Generator inspection - annual	365
RSWWI / RSCWI	Winterize station - Water / Wastewater	365
RSGWI	Winterize station - Gas	365

Appendix C

Summary Table of Pumps Stations Using Chemical Injection and Odor Control

KUB Wastewater Facility Chemical Feed System Information (2011 Update)

CHEMICAL INJECTION

<u>Facility</u>	<u>Address</u>	<u>Odor control type</u>	<u>Chemical Name</u>	<u>Comments</u>
Ball Road	4923 Ball Road	Chemical injection	Oxy-Six	
Boyds Bridge SuperOx	3818 Boyds Bridge Pike	Chemical injection	Oxygen	
Easton Meadows	7224 Rising Road	Chemical injection	Calcium Hypochlorite	
Eastwood	740 Bagwell Lane	Chemical injection	Oxy-Six	
Ellistown	1909 Ellistown Road	Chemical injection	Oxy-Six	
Forks of the River	5051 National Drive	Chemical injection	Oxy-Six	
Forks SuperOx	5051 National Drive	Chemical injection	Oxygen	
Gazebo	3516 Ginn Drive	Chemical injection	Oxy Six	
Governors Landing	5400 Garden Crest Trail	Chemical injection	Oxy-Six	
Holston Hills	4800 River Place Drive	Chemical injection	Oxy Six	
Kohls	5312 Washington Pike	Chemical injection	Calcium Hypochlorite	
Maloneyville	4800 Maloneyville Road	Chemical injection	Oxy-Six	
Neubert Springs	5941 Neubert Springs	Chemical injection	Oxy-Six	
Power Park	3180 Power Drive	Chemical injection	Oxy-Six	
Roberts Road	5300 Roberts Road	Chemical injection	Calcium Hypochlorite	
Shiptown	2124 Shiptown Road	Chemical injection	Oxy-Six	
Ten Mile	757 Ebenizer Road	Chemical injection	Oxy-Six	
Walker Springs	310 Broome Road	Chemical injection	Oxy-Six	
Washington Pike	8515 Washington Pike	Chemical injection	Oxy-Six	
Wayland Road	1900 Wayland Road	Chemical injection	Oxy-Six	
Woodlands	1045 Tree Top Way	Chemical injection	Calcium Hypochlorite	
Woodson Drive	2416 Woodson Drive	Chemical injection	Oxy-Six	

ON-SITE ODOR CONTROL

Ball Road	4923 Ball Road	Charcoal scrubber	Purafill Media	
Casa Bella	4633 Bella Capri Lane	Charcoal scrubber	Purafill Media	
Chestnut Ridge	8009 Chestnut Hill Lane	Charcoal scrubber	Purafill Media	
Clinton Highway	6564 Clinton Highway	Charcoal scrubber	Purafill Media	
Duncan Glen	6742 Duncan Road	Charcoal scrubber	Bay Products Media	
Easton Meadows	7224 Rising Road	Charcoal scrubber	Purafill Media	
Ellistown	1909 Ellistown Road	Charcoal scrubber	Bay Products Media	
Gazebo	3516 Ginn Drive	Charcoal scrubber	Purafill Media	
Ginnbrooke	2907 Ginnbrooke Lane	Charcoal scrubber	Bay Products Media	
Governors Landing	5400 Garden Crest Trail	Charcoal scrubber	Bay Products Media	
Harrison Keepe	2122 Houser Road	Charcoal scrubber	Bay Products Media	
Lower First Storage	1502 N. Sixth Avenue	Charcoal scrubber	Bay Products Media	
Millertown	5800 Millertown Pike (Vincinda Cir)	Charcoal scrubber	Purafill Media	
Riverview Park	3221 Holston Hills Road	Charcoal scrubber	Bay Products Media	
Roberts Road	5300 Roberts Road	Charcoal scrubber	Bay Products Media	
Third Creek Storage	4505 Middlebrook Pike	Charcoal scrubber	Bay Products Media	
Three Points	8530 Three Points Road	Charcoal scrubber	Purafill Media	
Upper First Storage	4719 Old Broadway	Charcoal scrubber	Bay Products Media	
Walker Springs	310 Broome Road	Charcoal scrubber	Bay Products Media	
Walker Springs Storage	608 Walker Springs Road	Charcoal scrubber	Bay Products Media	
Washington Pike	8515 Washington Pike	Charcoal scrubber	Bay Products Media	
Woodlands	1045 Tree Top Way	Charcoal scrubber	Bay Products Media	
Woodson Drive	2416 Woodson Drive	Charcoal scrubber	Purafill Media	

Appendix D

Pump Station and Storage Facility Sample Inspection Checklists



Checklist: Wastewater Lift Station Inspection

Core Process: SMSP Preventive Maintenance
Department: System Operations, 81
Owner: SMSP Supervisor

Document Status: Issued
Approved by: Brad Brummett
Issued Date: 6/3/2009

Facility name _____ Date _____

Performed by _____

Preventive maintenance work order _____

Quarterly detailed inspection Annual performance inspection

Tip This checklist can be used as a guide for monthly inspections but is not required to be completed while conducting a monthly inspection.

► **To complete a wastewater lift station maintenance inspection, check the following areas or equipment:**

NA

- 1. Grinder Well and Screen Room
 - Hatches and safety grating
 - Entrance door(s) and locking mechanisms
 - Hydraulic equipment
 - Slide gate(s) or valve(s)
 - Actuator(s)
 - Guide rail(s) or lifting mechanisms
 - Level transmitter(s)
 - Grinder #1: run time: _____
 - Grinder #1 amperage reading: A (phase)_____ B (phase)_____ C (phase)_____
 - Grinder #2: run time: _____
 - Grinder #2 amperage reading: A (phase)_____ B (phase)_____ C (phase)_____
 - Milltronics card updates (annual insp only)
 - Walking surfaces
 - Lighting
 - Ventilation
 - Float switches(s) – dry well and wet well
 - Cleanliness
 - Fall safety device

- 2. Wet Well and Pump Room
 - Hatches and safety grating
 - Entrance door(s) and locking mechanisms
 - Slide gate(s) or valve(s)
 - Guide rail(s) or lifting mechanisms
 - Walking surfaces
 - Float switches(s) – dry well and wet well
 - Fall safety device
 - Actuator(s)
 - Level transmitter(s)
 - Submersible pressure transducer
 - Milltronics card updates (annual insp only)
 - Lighting
 - Ventilation
 - Cleanliness
 - Sump pump(s) and check valve(s)
 - Pressure instrumentation
 - Static pressure _____
 - Piping and drainage

NA

- Pump Efficiency Test (**Note** Perform flow meter test in conjunction with the pump efficiency test.)
- Pump #1: run time: _____
- Pump #2: run time: _____
- Pump #3: run time: _____
- Pump #4: run time: _____
- Motor #1 amperage reading: A (phase)_____ B (phase)_____ C (phase)_____
- Motor #2 amperage reading: A (phase)_____ B (phase)_____ C (phase)_____
- Motor #3 amperage reading: A (phase)_____ B (phase)_____ C (phase)_____
- Motor #4 amperage reading: A (phase)_____ B (phase)_____ C (phase)_____
- Check valve(s)

3. Valve Vault or Pump Room Valving

- Hatches and safety grating
- Isolation valve(s)
- Air release valve(s)
- Sump pump(s) and check valve(s)
- Walking surfaces
- Float switches(s) – dry well or wet well
- Fall safety device
- Lighting
- Ventilation
- Cleanliness
- Check valve(s)
- Pressure instrumentation
- Static pressure _____
- Dynamic pressure _____
- Piping and drainage

4. Effluent Meter - Vault

- Hatches and safety grating
- Isolation valve(s)
- Sump pump(s) and check valve(s)
- Walking surfaces
- Float switches(s) – dry well or wet well
- Lighting
- Ventilation
- Cleanliness
- Piping and drainage
- Flow meter and signal converter
- Effluent meter totalizer: _____

5. Odor Control

- Chemical feed enclosure and components
- Chemical storage containment
- Chemical feed tank: level (ft.)_____
- Chemical feed rate: gallons/day_____
- Terminal manhole monitoring:
Nitrate_____
- Hydrogen sulfide_____
- pH_____
- Chemical feed building
- Chemical feed piping and valve(s)
- Carbon vessel and media sample (air scrubber)
- Eyewash Station

Important If any discrepancies are found, notify SMSP or appropriate personnel.



Form: Pump Efficiency Testing

Core Process: SMSP Preventive Maintenance

Document Status: Issued

Department: Systems Operations, 81

Approved by: Brad Brummett

Owner: SMSP Supervisor

Issued Date: 3/17/2004

Performed by _____ Date _____
Facility _____

1.0 WETWELL INFORMATION

(Length _____ x Width _____ x Depth _____) = Total Volume _____
(0.785 x Dia. _____ x Dia. _____ x Depth _____) = Total Volume _____
(Total Volume _____ x 7.48) = Total Gallons _____
(Total Gallons _____ / Depth _____) = Gallons per foot _____

Important Wetwell type depicts which volume formula to use (Cylindrical or Square/Rectangular).

2.0 TESTING

To complete this testing form, you must conduct three inflow measurements and three drawdown measurements that will be timed for one minute to obtain the most accurate data. When applicable, take readings from the Milltronics Level Control Unit when performing inflow and drawdown measurements.

If you are using a tape measure to obtain level readings, convert all inch readings to feet before completing the calculations.

2.1 INFLOW TESTING

To obtain the correct difference, record the second reading at the top.

	Test 1		Test 2		Test 3
Second	_____	Second	_____	Second	_____
Initial	_____	Initial	_____	Initial	_____
Difference	_____	Difference	_____	Difference	_____
Calculate the average of the 3 measurements _____					
Average inflow	_____	x	Gallons per ft	_____	= Inflow GPM _____

2.2 DRAWDOWN TESTING

2.2.1 Pump #1

To obtain the correct difference, record the second reading at the top.

Test 1		Test 2		Test 3	
Second	_____	Second	_____	Second	_____
Initial	_____	Initial	_____	Initial	_____
Difference	_____	Difference	_____	Difference	_____

GPM

Calculate the average of the 3 measurements _____
Avg drawdown _____ x Gals per ft _____ = Drawdown GPM _____

Drawdown GPM _____ + Inflow GPM _____ = Total pump capacity GPM _____

Pressure Readings (Discharge and Suction / Pump ON)

Pump ON discharge PSI reading _____ Pump ON suction PSI reading _____

Motor amperage readings

A Phase _____ B Phase _____ C Phase _____

2.2.2 Pump #2

To obtain the correct difference, record the second reading at the top.

Test 1		Test 2		Test 3	
Second	_____	Second	_____	Second	_____
Initial	_____	Initial	_____	Initial	_____
Difference	_____	Difference	_____	Difference	_____

GPM

Calculate the average of the 3 measurements _____
Avg drawdown _____ x Gals per ft _____ = Drawdown GPM _____

Drawdown GPM _____ + Inflow GPM _____ = Total pump capacity GPM _____

Pressure Readings (Discharge and Suction / Pump ON)

Pump ON discharge PSI reading _____ Pump ON suction PSI reading _____

Motor amperage readings

A Phase _____ B Phase _____ C Phase _____

2.2.3 Pump Combination

Pumps involved _____

	Test 1		Test 2		Test 3	
Second	_____		Second	_____	Second	_____
Initial	_____		Initial	_____	Initial	_____
Difference	_____		Difference	_____	Difference	_____

GPM

Calculate the average of the 3 measurements _____

Avg drawdown _____ x Gals per ft _____ = Drawdown GPM _____

Drawdown GPM _____ + Inflow GPM _____ = Total pump capacity GPM _____

Pressure Readings (Discharge and Suction / Pump ON)

Pump ON discharge PSI reading _____ Pump ON suction PSI reading _____

Motor amperage readings

A Phase _____ B Phase _____ C Phase _____

2.3 ADDITIONAL DRAWDOWN TESTING

If a facility has more than two pumps, use this section of the form to log the test results for the additional drawdown tests.

2.3.1 Pump #3

	Test 1		Test 2		Test 3	
Second	_____		Second	_____	Second	_____
Initial	_____		Initial	_____	Initial	_____
Difference	_____		Difference	_____	Difference	_____

GPM

Calculate the average of the 3 measurements _____

Avg drawdown _____ x Gals per ft _____ = Drawdown GPM _____

Drawdown GPM _____ + Inflow GPM _____ = Total pump capacity GPM _____

Pressure Readings (Discharge and Suction / Pump ON)

Pump ON discharge PSI reading _____ Pump ON suction PSI reading _____

Motor amperage readings

A Phase _____ B Phase _____ C Phase _____

2.3.2 Pump #4

Test 1		Test 2		Test 3	
Second	_____	Second	_____	Second	_____
Initial	_____	Initial	_____	Initial	_____
Difference	_____	Difference	_____	Difference	_____

GPM

Calculate the average of the 3 measurements _____

Avg drawdown _____ x Gals per ft _____ = Drawdown GPM _____

Drawdown GPM _____ + Inflow GPM _____ = Total pump capacity GPM _____

Pressure Readings (Discharge and Suction / Pump ON)

Pump ON discharge PSI reading _____ Pump ON suction PSI reading _____

Motor amperage readings

A Phase _____ B Phase _____ C Phase _____

2.3.3 Pump Combination

Pumps involved _____

Test 1		Test 2		Test 3	
Second	_____	Second	_____	Second	_____
Initial	_____	Initial	_____	Initial	_____
Difference	_____	Difference	_____	Difference	_____

GPM

Calculate the average of the 3 measurements _____

Avg drawdown _____ x Gals per ft _____ = Drawdown GPM _____

Drawdown GPM _____ + Inflow GPM _____ = Total pump capacity GPM _____

Pressure Readings (Discharge and Suction / Pump ON)

Pump ON discharge PSI reading _____ Pump ON suction PSI reading _____

Motor amperage readings

A Phase _____ B Phase _____ C Phase _____

2.3.4 Pump Combination

Pumps involved _____

	Test 1		Test 2		Test 3
Second	_____	Second	_____	Second	_____
Initial	_____	Initial	_____	Initial	_____
Difference	_____	Difference	_____	Difference	_____

GPM

Calculate the average of the 3 measurements _____

Avg drawdown _____ x Gals per ft _____ = Drawdown GPM _____

Drawdown GPM _____ + Inflow GPM _____ = Total pump capacity GPM _____

Pressure Readings (Discharge and Suction / Pump ON)

Pump ON discharge PSI reading _____ Pump ON suction PSI reading _____

Motor amperage readings

A Phase _____ B Phase _____ C Phase _____



Checklist: Wastewater Storage Facility Inspection

Core Process: SMSP Preventive Maintenance
Department: System Operations, 81
Owner: SMSP Supervisor

Document Status: Issued
Approved by: Brad Brummett
Issued Date: 6/3/2009

Facility name _____ Date _____

Performed by _____

Preventive maintenance work order _____

Quarterly detailed inspection Annual performance inspection

Tip This checklist can be used as a guide for monthly inspections but is not required to be completed while conducting a monthly inspection.

► **To complete a wastewater storage facility maintenance inspection, check the following areas or equipment:**

NA

- 1. Diversion Structure
 - Security
 - Hatches and safety grating
 - Slide gate(s) or valve(s)
 - Level transmitter (s)
 - Site aesthetics
 - Actuator(s)
 - Cleanliness

- 2. Grinder Well
 - Hatches and safety grating
 - Actuator(s)
 - Level transmitter(s)
 - Grinder #1: run time _____
 - Grinder #2: run time _____
 - Grinder #3: run time _____
 - Slide gate(s) or valve(s)
 - Guide rail(s) and lifting mechanisms
 - Cleanliness

- 3. Wet Well(s)
 - Hatches and safety grating
 - Actuator(s)
 - Level transmitter(s)
 - Pump #1: run time _____
 - Pump #2: run time _____
 - Pump #3: run time _____
 - Pump #4: run time _____
 - Pump #5: run time _____
 - Pump #6: run time _____
 - Sump Pump #1: run time _____
 - Sump Pump #2: run time _____
 - Slide gate(s) or valve(s)
 - Guide rail(s) and lifting mechanisms
 - Float switch(s) – high and/or low
 - Cleanliness

NA

- 4. Valve Vault
 - Hatches and safety grating
 - Lighting
 - Ventilation
 - Isolation valve(s)
 - Air release valve(s)
 - Walking surfaces
 - Structures (catwalk)
 - Cleanliness
 - Entrance door(s) and locking mechanisms
 - Check valve(s)
 - Pressure instrumentation
 - Piping and drainage

- 5. Influent Meter Vault
 - Hatches and safety grating
 - Lighting
 - Ventilation
 - Isolation valve(s)
 - Pressure Instrumentation
 - Cleanliness
 - Entrance door(s) and locking mechanisms
 - Influent meter totalizer_____
 - Flow meter and signal converter
 - Actuator(s)
 - Piping and drainage
 - Drain valve
 - Walking surfaces

- 6. Effluent Meter Vault
 - Hatches and safety grating
 - Lighting
 - Ventilation
 - Isolation valve(s)
 - Cleanliness
 - Entrance door(s) and locking mechanisms
 - Effluent meter totalizer_____
 - Flow meter and signal converter
 - Actuator(s)
 - Piping and drainage
 - Drain valve
 - Walking surfaces

- 7. Odor Control
 - LEL monitor(s)
 - Hydrogen sulfide monitor
 - Fan, dampers, louvers, and ductwork
 - Carbon vessel and media sample (air scrubber)
 - Magnehelic gauge: pressure drop_____

- 8. Electrical Building, Control Panel, SCADA Panel and Related Equipment
 - SCADA panel
 - Note** Initiate this task when you first arrive, so you are testing the UPS unit while doing other tasks.
 - SCADA test log sheet (annual insp only)
 - Climate control
 - Emergency transfer switch
 - Grinder control panel(s)
 - TVSS monitor (indicator lights)
 - Lighting
 - Ventilation
 - Cleanliness
 - Motor control center components

- 9. Storage Tank
 - Fall safety device
 - Handrail, hatches, & safety grating (annual only)
 - LEL monitor
 - Hydrogen sulfide monitor
 - Mixer #1: run time_____
 - Mixer #2: run time_____
 - Mixer #3: run time_____
 - Mixer #4: run time_____

Appendix E
Customer Information Guide

Understanding Your Bill

Your utility bill shows itemized charges for each service and has usage history graphs to help you better manage your utility costs. (The graphs show the dates your meter was read.) **For a sample bill, visit www.kub.org.**

Handy Payment Options

Sign up online or on your bill for these payment options:

- **BalancedPay** lets you pay a set amount each month based on average usage. KUB adjusts the amount periodically, as your usage goes up or down. [*Free option.*]
- **SelectPay** allows you to draft multiple payments during the month online or by phone. [*Free option.*]
- **AutoPay** drafts your payment automatically from your bank on the bill due date. [*Free option.*]

You can also make a credit card payment online or by phone through Bill Matrix. Visit www.kub.org or call 1-800-405-7951. Bill Matrix charges a convenience fee.

Pay on Your Schedule at Convenient KUB Payment Kiosks

KUB PaySite kiosks give you more options on when and where to pay your bill. You also get real-time credit for kiosk payments—even on nights and weekends, when KUB Payment Centers are not open.

To start, scan your KUB bill stub or enter your 10-digit account number. Kiosks accept cash or checks. They do not give change—any over payment is credited to your KUB account. PaySite, the kiosk provider, charges a fee of \$1.95.

Kiosk Locations:

Quick Stop Open 6 a.m. to Midnight 315 Merchant Drive	KAT Transit Center Open per bus schedules 301 Church Avenue
Food City Stores Open 6 a.m. to Midnight 7510 Asheville Highway 1950 Western Avenue 7608 Mountain Grove Drive 4344 Maynardville Highway* (*Located in Maynardville)	E-Z Stop Food Marts: Open 24 hours 8605 Walbrook Drive 9200 Kingston Pike 7503 Tazewell Pike 11311 Chapman Hwy.* (*Located in Seymour)

KUB Gift Cards: The Power to Help Others

KUB gift cards are a great way to help relatives, friends, or elderly neighbors on a tight budget with their utility bills. Community organizations, social service agencies, and churches can also use the cards to help those in need. The purchaser pays a \$3.95 fee; there is no fee for using the card. For more information or to purchase cards, visit www.kubgiftcards.com.



Go Green by Going Paperless!

Going paperless is easy, and it's good for the environment:

- It saves trees and reduces greenhouse gas emissions.
- You can view/print your past 18 bills on the web.
- You get monthly e-mails when your bill is ready.
- You can make safe payments online or by phone, anytime from anywhere.

Go green: Sign up online now at www.kub.org.

Privacy Policy

KUB takes your privacy seriously. Under the Tennessee Public Records Act (Tennessee Code Annotated, 10-7-503), however, KUB must release some customer information to Tennessee citizens who request it. We **do not** release Social Security numbers, bank account numbers, or credit card numbers. We also do not release any information on customers who bring a valid protection document to a KUB payment center (*see locations on back*).

Rates

The KUB Board of Commissioners sets rates for all four utility services under Section 11 of the City Charter. KUB electric and gas rate schedules include provisions for passing through wholesale cost fluctuations. KUB passes all electric (TVA) or natural gas supplier increases or decreases to customers with no additional markup. KUB water and wastewater charges reflect only KUB's costs of providing services; they have no wholesale cost adjustments. Wastewater service is not metered; it is billed based on water use. View rates online at www.kub.org.

KUB Website

- Register on www.kub.org to access your account or to:
- Sign up for Paperless Billing.
 - Get a monthly e-mail Alert when your bill is online.
 - Sign up for payment options so you can pay online or over the phone, anytime, from anywhere.
 - Pay your bill and get online payment confirmation.
 - View/manage account and personal information.
 - Update your phone number to report outages easily.
 - Start or stop service.
 - See tree pruning, construction, and electric outages maps
 - Review a comprehensive guide to KUB tree pruning.
 - Find money-saving tips.
 - Take a free online energy audit or learn about the TVA In-Home Energy Evaluation Program.
 - Learn about utility safety.
 - Sign up for Green Power.



Please recycle! You can find environmental and recycling resources under the Environment tab on www.kub.org.

Keep Your Phone Number Up to Date

Having your correct number on file helps KUB access your account more quickly when you call, and it lets you easily report outages on our automated system. Update your number on your bill stub or call 524-2911. On kub.org, use the form under Contact Us form or Contact Information.

Contacting Us

Customer Information Center: 524-2911

Monday–Friday, 7 a.m.– 6 p.m.

24-Hour Emergency Service: 524-2911

Call any time to report leaks or other emergencies. (Report outages directly to 1-800-250-8068.)

Automated Phone System: 524-2911

Using our automated phone system can save you time.

Tip: Have your account or phone number handy so you can report an outage or emergency quickly and easily.

Telecommunications Device for the Deaf: 594-7494

Contact Options on www.kub.org

Please use the Contact Us form and e-mail addresses below for non-emergency contacts only.

- Contact Us form: See top of home page on kub.org.
- PACE10@kub.org for PACE 10 Program
- Wastewater@kub.org for Wastewater System
- Trees@kub.org for Tree Pruning

Mailing Address

KUB, P.O. Box 59017, Knoxville, TN 37950-9017

Payment Centers

- 445 South Gay Street (Miller's Building):
Closed Mon. and Fri.
9 a.m.–4:30 p.m., Tues.–Thurs.
- 4218 Asheville Highway (Holston Shopping Ctr.):
8:30 a.m.–5 p.m., Mon.–Fri.
- 4428 Western Avenue (640 Plaza):
7:30 a.m.–6 p.m., Mon. and Fri.;
8:30 a.m.–5 p.m. Tues.–Thurs.

Payment Kiosks: *For locations of kiosks that take after-hours payments (some open 24 hours a day), see inside.*



Share the Warmth All Year

Project Help takes donations all year to provide emergency heating aid in winter. See the back of your bill or www.kub.org to help share the warmth with those in need.

Esta información es muy importante.

Para obtener una versión en español de este folleto, llame a KUB al número de teléfono (865) 524-2911 y presione el número 8.

CIDY12M12



Your Guide to Utility Resources

Electric

Gas

Water

Wastewater



helpful customer information

Reporting Power Outages

KUB's electric service is extremely reliable. Power outages don't happen often and usually don't last long. Your power may go on and off several times, however, as the system automatically tries to compensate for things like tree limbs or animals on lines. For more information, visit www.kub.org and search for "Momentary Power Outages."

Knowing what to do before and during an outage lessens inconvenience and discomfort for you and your family.

Keep KUB's main phone number (524-2911) or the automated outage line (1-800-250-8068) handy for easy outage reporting. Be sure KUB has your current home phone number so you can use it to report your outage quickly through the automated system.

Follow the system's instructions using a touch-tone phone. Rotary phone users may use the voice-recognition feature.

Meter Reading

How often does KUB read my meter? KUB contractors read your meter about every 30 days. Due to weekends and holidays, the schedule will vary from 29 to 33 days.

Please note: KUB must have unrestricted access to its meters for accurate reading and routine safety inspections, testing, and maintenance. If you have a locked gate, pet, etc., that prevents access, please call 524-2911. KUB may disconnect service if access is routinely denied.

Are there some months when KUB doesn't read my meter? Yes. On rare occasions, when we are physically unable to read your meter, KUB uses a sophisticated computer program to project your utility consumption based on your previous usage and weather information. You can learn to read your meter at www.kub.org.

KUB Tree Pruning: A Customer Guide

Trees are beautiful and important to our environment. But trees too near power lines may cause outages—or electrocution hazards for KUB crews and the public.

KUB prunes trees to provide safe, reliable electric service. Our arborist-approved pruning methods help protect tree health.

For pruning options and photos of pruned trees, see our pruning guide and videos on www.kub.org. Free print copies of the guide are also available at KUB Payment Centers (*see the list on the back*) and from KUB foresters and pruning crews in the field.

Questions? Please call our pruning hotline at 558-6658 weekdays, 7 a.m.–9 p.m., or e-mail trees@kub.org.

Safety

The safety of our customers, employees, the public, and the environment is KUB's primary concern. Below are tips to help ensure your safety around the services we provide.

Electric: Stay away from downed power lines and report them to KUB immediately at 524-2911. Keep ladders, etc., away from power lines, and teach children not to climb trees that grow into lines.

Natural Gas: Natural gas has no "natural" odor. KUB adds a harmless chemical with a distinctive "rotten egg" odor so you can detect even small amounts of natural gas. *See the enclosed scratch-and-sniff insert for the odor and safety tips.*

Natural gas leaks are dangerous. If you detect the natural gas odor (inside or outside), go to a location where you can't smell the odor, and call KUB at 524-2911. We will send a trained technician to perform a free leak inspection.

If you smell natural gas, don't use regular, cordless, or cell phones. Don't turn lights or appliances on or off or use any electrical devices (garage door openers, etc.). Don't use matches or lighters. Any of those could be an ignition source.

Don't re-enter the building or area until KUB tells you it is safe. Your safety is more important than possessions.

If you don't smell natural gas, you may hear or see clues:

- Sound: You may hear a blowing or hissing sound.
- Sight: You may see bubbling in wet or flooded areas, or flames if a leak ignites. Vegetation that is dead or discolored for no apparent reason may also signal a leak.

Carbon Monoxide: Carbon monoxide (CO) is a colorless, odorless, potentially toxic gas produced by combustion. Natural gas appliances create CO at low levels and are not dangerous when properly vented. If you suspect a high CO level in your home, open windows immediately for ventilation and call 911. If you have symptoms of CO poisoning (nausea, fatigue, headaches, dizziness, confusion), leave and call 911 from another location. CO detectors are available at home improvement centers.

Water: Broken water lines can cause unsafe conditions. If a pipe bursts in your home, water can short-circuit an appliance, giving you an electrical shock. Breaks to home water lines should be repaired immediately by your plumber. A break in a large water main outside may cause unsafe walking or driving conditions. Report KUB line breaks immediately to 524-2911.

Cross Connection Control: KUB monitors cross connection control (backflow) devices on its water system under federal and state regulations for safe operation of public water systems. All customers must install, test, and maintain a backflow prevention device on properties with water wells, swimming pools, irrigation systems, business-related hazards, or other potentials for risk. For more information, please call 594-8333 or see www.kub.org.

Wastewater: If you see a sewer overflow, avoid contact and call KUB immediately at 524-2911. For a log of any recent overflows and their status, visit www.kub.org.

Sewer overflows may expose you (or pets) to bacteria and viruses. Overflows contain water from washers, dishwashers, sinks, showers, and toilets. The toilet water is diluted by other water, but we urge you to avoid contact or wash thoroughly with soap and water to prevent illness.

Skin contact does not pose a serious health risk, but there is some risk of disease from swallowing bacteria. The most important thing is to always wash your hands before eating and after handling anything that had contact with floodwater or sewage.

Clearance Around Utilities: Please don't place fences, storage buildings, landscaping, etc., within six feet of KUB utility poles or pad-mounted transformers. KUB crews need clear access for their safety and to perform maintenance or make repairs to restore power to you and your neighbors. Gas meters also need clearance for safe ventilation.

Protect Yourself From Fraud Scams and Strangers:

KUB never asks for your credit card number for any reason. If you want to use your card to pay your bill, you will be transferred to BillMatrix, our current partner taking payments on the phone and web.

Is the stranger at your door really from KUB? Remember:

- KUB employees *always* carry KUB photo identification.
- KUB employees rarely ask to come in your home unless you initiated a service call to KUB and made an appointment.
- Always ask to see KUB ID, and call 524-2911 to verify that an employee has been sent to your address.

Call 811 Before You Dig

Keep your home and neighborhood protected and connected by knowing what's below and always calling 811 before you dig. Damages to underground utility lines can disrupt service to the entire neighborhood, potentially harm diggers, and damage the environment. One phone call to 811 will get member underground utility lines marked for free. Remember—Safe digging is no accident. Always call 811 before you dig. It's the law.

Private Sewer Service Laterals

If you own a home or business, you also own and must maintain your sewer service lateral, the underground pipe that connects your building to KUB's sewer system.

KUB will notify you of any problems we find with your lateral. If you are not having problems, you do not need to take action unless you receive a certified mail packet from KUB about needed repairs. If you've had sewer backups or other problems, however, please call us at 524-2911.

Tips to maintain your lateral and prevent problems:

- Don't put grease down the sink or toilet.
- Don't drive heavy equipment near the lateral.
- Don't connect downspouts, drains, or sump pumps to your lateral. Remove any existing connections.
- Don't plant large shrubs or trees near the lateral.
- Install a cleanout for fast access; keep the cap on to stop debris from getting in and causing a blockage.

Water System Flushing

Periodically KUB flushes different parts of the water system to ensure the water quality our customers expect and to meet regulatory requirements. Running water from a flushing device or a fire hydrant allows us to sample water quality out in the system. Our technicians use the least water possible to clear lines and test water.

Can the Grease: Protect Your Plumbing

If you pour cooking grease down your drains, it may build up, block your pipes, and cause rancid odors or messy, costly sewage backups in your home. Grease is also a major cause of dry-weather sewer overflows, which are a potential threat to our environment.

Never pour grease down drains or toilets. Scrape grease and food from cookware and dishes into a can or the trash.

A metal coffee can with a plastic lid or empty metal soup or vegetable cans make great grease cans. Line your can with disposable heat-resistant oven bags. Throw the liners away (after grease cools) and reuse the can. 005397